

CURRICULUM VITAE



La sottoscritta **Anna Tampieri**

Nata a Faenza (RA) 08/09/1960

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Attuale posizione: ➤ **Dirigente di Ricerca** ISSMC-CNR, Bologna

Sede di lavoro: ISSMC-CNR Istituto di Scienza, Tecnologia e Sostenibilità dei Materiali
Ceramici

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TITOLI DI STUDIO E ATTIVITA' FORMATIVA POST LAUREA

20/02/1985 **Laurea in Chimica Tec.Farm.** (110/110 cum laude) - Università di Bologna, Italia
1986 **Borsa di Studio** presso Alfa Wasserman S.p.A., Bologna
1987 **Borsa di Studio I.M.I.** presso la Fac. di Scienze dell'Univ. di Milano e HNHR, San Francisco (USA)
1988-93 **Ricercatore (ex art.36)** presso ISTECCNR
1991 **NEDO Fellow** at Government Industrial Research Institute GIRIN, Nagoya, JAPAN, (4 mesi)
1993 **Post Ph.D. Fellow** al National Institute for Inorganic Materials NIRIM, Tsukuba, JAPAN (3 mesi)
1993-01 **Ricercatore a tempo indeterminato** presso ISTECCNR
2001-09 **Primo Ricercatore** presso ISTECCNR
2010-16 **Dirigente di Ricerca** presso ISTECCNR
2016-20 **Direttore di** Istituto di Scienze e Tecnologie dei Materiali Ceramici (ISTECCNR)

INCARICHI PROFESSIONALI

2020-2021 **Presidente ENEA-Tech**, Fondazione vigilata dal MISE per il trasferimento tecnologico
Nomina del Ministro dello Sviluppo Economico
2016-2020 **Direttore di** Istituto di Scienze e Tecnologie dei Materiali Ceramici (ISTECCNR);
2017-Presente **Membro del Consiglio di Consultazione Industriale e Scientifico di Aster, Rete Alta**
Tec.Emilia Romagna (Incarico conferito dal Dr. Inguscio, *Delibera 13 luglio 2017*);
2016- 2019 **Esperto Scientifico Valutatore ERC Starting Panel** presso Commissione Europea
(*contract n. ctex2013d151224-101 Signed 5 ottobre 2015*);
2015- 2016 **Esperto Valutatore (GEV09) Qualità della Ricerca VQR 2011-2014**
2014-Presente **Qualificazione Scientifica Nazionale: Prof. Associato in Scienze Mediche e Biotecnologia**
(*Abilitazione Scientifica Nazionale: lista degli abilitati*);
2015-Presente **Presidente** dello **Scientific Advisory Board** della start-up Green-Bone Ortho S.p.A;
2014-2015 **Membro** della **Commissione di due diligence** per la valutazione di Veneto Nanotech
(nomina del presidente Veneto Nanotech (*Prot. n° 550/14/FG*);

2012-2018 **Presidente** della **Commissione CNCCS**, Pomezia Roma (*Prot. N. CNCCS Bioeconomy 0012*);
2011-2013 **Membro della Commissione CNR** per la valutazione di **"Spin off"** emergenti
(Incarico del presidente del CNR L. Maiani: *Prot. Nr.0032596 del 18/04/2011*);
2020-presente **Membro** della **giuria** del Premio Nicolò Copernico in Scienze Mediche
2006-Presente **Esperto Scientifico Valutatore della Commissione Europea** per gli schemi **NMP** ed **Eurostar**;
1998-Presente **Coordinatore** della Ricerca "Bio-ceramici e ibridi in medicina rigenerativa" ISTECCNR;
1998-2004 **Presidente** di FIN-CERAMICA Faenza, start up innovativa nata da ISTECCNR;

PROGETTI FINANZIATI

Ambito Europeo-Internazionale

- **Coordinatore** del progetto Europeo **SMILEY** "Smart Nano-structured Devices Hierarchically Assembled by Mineralization Processes" (7th F.P.) NMP-SL-2012-SMALL-6-310637 (2012-2015), Partners: 10, Total budget: 3.996.264 €. Budget CNR: 1.417.360 €.
- **Coordinatore** del progetto Europeo **OPHIS** "Composite Phenotypic triggers for bone and cartilage repair" (7th F.P.) NMP3-SL-2010-SMALL-3-246373 (2010-2013), Partners: 9, Total budget: 3.939.920 €. Budget ISTECC: 704.427 €.
- **Coordinatore** dell'unità distaccata Methodist Hospital Research Institute, progetto **DARPA-USA** Defense Advanced Research Projects Agency, W911NF-11-1-0266 (2011-2013), Partners: 5, Total budget: 3.000.000 US\$.
- **Coordinatore** del progetto Europeo **TEMPLANT** "Production of new bio- ceramization processes applied to vegetable hierarchical structures" (6th F.P.) NMP4-CT-2006-033277 (2006-2011), Partners: 9, Total budget: 2.600.000 €. Budget CNR: 519.399 €.
- **Coordinatore** del progetto Europeo **AUTOBONE** "Production Unit for the Decentralised Engineering of Autologous Cell-based Osteoinductive Bone Substitutes (6th F.P.) NMP3-CT2003-505711 (2003-2008), Total Budget: 4.818.442 €; Budget CNR: 698.819 €.
- **Coordinatore** del progetto Bilaterale **Italy-Taiwan** (NYMU Programme) (2009-2010) International Collaboration Grant) between ISTECC and the National Yang-Ming University, Taiwan. Total budget: 100.000 US\$.
- **Coordinatore** del Progetto Bilaterale **Italy-Indonesia** (RUTI Programme) (2003-2005), TB: 100.000 US\$.
- **Coordinatore** del Progetto Bilaterale **Italy-Spain** (1998-2000), TB: 30.000 €.
- **WP Leader** del progetto Europeo **SCREENED** "A multistage model of thyroid gland function for screening endocrine-disrupting chemicals in a biologically sex-specific manner" H2020-SC1-BHC-27-825745 (2019-2023), Partners: 9; Total Budget: 5.655.088 €. Budget CNR: 400.000 €.
- **WP Leader** del progetto Europeo **CUPIDO** "Cardio Ultraefficient Nanoparticles for Inhalation of Drug Products" H2020-EU.2.1.2.720834 (2017-2021), Partners: 12; Total Budget: 6.094.784,00 €. Budget CNR: 1.800.000 €.
- **WP Leader** del progetto Europeo **BIORIMA** "Biomaterial risk management", H2020-GA-760928 (2017-2021), Partners: 41, Budget ISTECC: 200.000 €.
- **WP Leader** del progetto Europeo **NanoReg** (GA310584) "A common European approach to the regulatory testing of manufactured nanomaterials" (2013-2017), Partners: 59, Total budget: 906.737 €. Budget CNR: 160.000 €.
- **WP Leader** del progetto Europeo ERASMUS+ **BIOTECH-MA** "Teaching biotechnology for human health: from the bench to the market" (2015-2016), Partners: 7; Total budget: 297.000 €. Budget ISTECC: 25.000 €.

- **WP Leader** del progetto Europeo ERASMUS+ **EUCERMAT** “European Ceramic Materials” (2015-2018), Partners: 6; Total budget: 360.000 €. Budget ISTEC: 35.000 €.
- **WP Leader** del progetto **NORCEL** (funded by the Research Council of Norway) (2013-2018), Partners: 11, Total Budget 3.500.000 €, Budget ISTEC: 85.500 €.
- **WP Leader** del progetto Europeo ITN **BIO-INSPIRE** “Bio Inspired Bone Regeneration” (7th F.P.) FP7-PEOPLE-2013-ITN (2013-2017), Partners: 9, Total budget: 3.824.007 €. Budget ISTEC: 510.000 €.
- **WP Leader** del progetto Europeo **MAGISTER** “Magnetic scaffolds for in vivo tissue engineering” (7th F.P.) NMP3-LA-2008-214685 (2008-2012), Partners: 20; Total budget: 11. 863.407 €. Budget ISTEC: 685.000 €.

Ambito Nazionale

- **Coordinatore** del progetto “**NIPROGEN** la natura ispira processi innovativi per lo sviluppo di impianti per la medicina rigenerativa ed elevato grado di vascolarizzazione e performance meccaniche” n. PG/2015/731448 (Por Fesr 2014-2020 della Regione Emilia Romagna) (2016-2018), Total Budget 999.767 €. Budget ISTEC: 320.000 €.
- **Coordinatore** del progetto “**PEEK** bone implants coated with biomimetic nanostructured hydroxyapatite for osteoporotic patients” (Fondazione del Monte di Bologna e Ravenna) (2015-2016), Budget ISTEC: 20.000 €.
- **Coordinatore** del progetto **FIRB** BIO-Protesi “Materiali innovativi per lo sviluppo di bioprotesi articolari” rif: RBIP068JL9 (2007-2010), Total budget: 1.908.571 €. Budget ISTEC: 967.356 €.
- **WP Leader** del progetto **MEDFIL**: “Filtri multifunzionali con elevate capacità di scambio di calore ed umidità (HMEf) e per l’identificazione precoce di infezioni delle vie respiratorie” 632022 (POR FESR 2014-2020 della Regione Emilia Romagna) (2019-2021), CUP B54I19000030005, Total budget: 1.117.125 €, Budget ISTEC 402.500 €.
- **WP Leader** del progetto finalizzato **BIOBOS** “An in vitro and ex vivo model of biomimetic regenerative devices to treat bone metastases and soft tissue tumors”, GR-2016-02364704, Budget ISTEC: 90.000 €.
- **WP Leader** del progetto **DINAMICA** “Sviluppo e validazione di biomateriali medicati nanostrutturati per il trattamento e la rigenerazione del tessuto Osseo metastatico” n. 632022 (POR FESR 2014-2020 della Regione Emilia Romagna) (2019-2021), Total Budget: 799.598,50 €. Budget ISTEC: 271.250 €.
- **WP Leader** del progetto “**Mat2Rep** Biomateriali multifunzionali per l’autoriparazione di tessuti e organi” n. 626605 (POR FESR 2014-2020 della Regione Emilia Romagna) (2019-2021), Total Budget: 1.117.015,00 €, Budget ISTEC: 84.000 €.
- **WP Leader** del progetto “**Nanocoatings**- Nuovi film antibatterici nanostrutturati per applicazioni in campo biomedicale” n. 725827 (2016-2018), Partners n° 6, Budget ISTEC: 160.000 €.
- **WP Leader** del progetto “**Progetto Premiale – Medicina Personalizzata**” (2013-2016), Partners n° 20, budget CNR: 300.000 €.
- **WP Leader** del progetto “**Flag Project - NanoMax**” (2013-2016), Partners n 10, Budget CNR: 300.000 €.
- **WP Leader** del progetto “**Aging – INTERESSE-INVECCHIAMENTO**” (2012-2015), Partners n° 20, Total budget: 685.000 €. Budget ISTEC: 140.000 €.
- **WP Leader** del progetto **FIRB** TissueNET “Rete nazionale di ricerca” rif: RBPR05RSM2 (2007-2010), Total budget: 3.500.000 €.
- **Coordinatore** del progetto **Galileo Program**, Italian-French University) G12-3 (2012-2013);
- **Coordinatore** dell’UO ISTEC-CNR nel progetto **MSTA II** (1999-2001). (Total budget: 75.000 €);

- **Coordinatore dell'U.O. ISTECCNR** nel progetto **MSTA I** (1990-1991). (Total budget: 35.000 €);
- **Task Leader** del progetto **PRIN Project** (prot. 2010L9SH3K). (Total budget: 1.100.834 €);
- **WP Leader** del **Progetto Strategico Intercomitato** (1993-1994). (Total budget: 24 MI Lire);

TOTALE PROGETTI: ~10.000.000 €

Contratti con aziende

- Contratto di ricerca ISTECCGreenbone ortho s.r.l. CO-2019-07 (2019-2020), Budget ISTECC: 140.000 €.
- Contratto di ricerca ISTECCGreenbone ortho s.r.l. CO-2018-10 (2018-2019), Budget ISTECC: 170.000 €.
- Contratto di ricerca ISTECCGreenbone ortho s.r.l. CO-2017-11 (2017-2018), Budget ISTECC: 300.000 €.
- Contratto di ricerca ISTECCGreenbone ortho s.r.l. CO-2016-01 (2016-2017), Budget ISTECC: 180.000 €.
- Contratto di ricerca ISTECCGreenbone ortho s.r.l. CO-2015-03 (2015-2016), Budget ISTECC: 190.000 €.
- Contratto di ricerca ISTECCCurasept A.D.S. s.r.l. CO-2018-11 (2016-2018), Budget ISTECC: 80.000 €.
- Contratto di ricerca ISTECCCuraden Healthcare CO-2015-08 (2015-2016), Budget ISTECC: 32.000 €.
- Contratto di Ricerca ISTECCCurasept ADS s.r.l (2010-2012), Budget ISTECC: 40.000 €.
- Contratto di Ricerca ISTECCKalichem Italia s.r.l. CO-2015-06 (2016), Budget ISTECC: 12.000 €.
- Contratto di Ricerca ISTECCIntercos S.p.A. CO-2016-16 (2016-2017), Budget ISTECC: 100.000 €.
- Contratto di Ricerca ISTECCFinceramica SpA CO-2017-16 (2017-2019), Budget ISTECC: 72.000 €.
- Contratto di Ricerca ISTECCFinceramica SpA (2011-2015), Budget ISTECC: 80.000 €.
- Contratto di Ricerca ISTECCFinceramica SpA CO-2020-03 (2020-2021), Budget ISTECC: 30.000 €.
- Contratto Conto Terzi ISTECCFinceramica SpA: prot. 47 (21.01.2011), Budget ISTECC: 18.000 €.
- Contratto Conto Terzi ISTECCFinceramica SpA: prot. 1135 (04.10.2012) e prot. 1535 (13.12.2012), Budget ISTECC: 16.400 €.
- Contratto Conto Terzi ISTECCFinceramica SpA: prot. 1622 (19.12.2012), Budget ISTECC: 12.600 €.
- Contratto Conto Terzi ISTECCFinceramica SpA CO-2014-03 (2014-2015), Budget ISTECC: 58.300 €.
- Contratto Conto Terzi ISTECCFinceramica SpA CO-2016-06 (2016-2017), Budget ISTECC: 29.800 €.
- Contratto Conto Terzi ISTECCFinceramica SpA CO-2018-01 (2018-2019), Budget ISTECC: 15.400 €.

TOTALE CONTRATTI RICERCA INDUSTRIALE: ~1.700.000 €

RICONOSCIMENTI/ ATTESTATI

2021: **Relatore** della prossima edizione di **TEDx** Ravenna, 6 giugno 2021;

2017: Vincitore **del Premio**: "Migliore Innovatrice Italiana" **conferita dall'Associazione Nazionale Inventrici e Innovatrici Italiane "ITWIIN"**, Torino, Nov. 2017;

2016: **Selezionato tra i 5 finalisti** del concorso: **Creatori di impresa, premio – Unicredit Start Lab- Gaetano Marzotto**, 1° Dicembre, Roma, Italia;

2016: **Selezionato tra i 5 migliori innovatori** all'**Italian Innovation Day** per il 150° anniversario delle relazioni diplomatiche Italia-Giappone, Tokyo, Giappone 27 maggio 2016;

2016: **Selezionato tra i 5 migliori innovatori d'Europa** per **TedxBinnenhof 2016 "Ideas from Europe"**, Den Haag, Olanda 31 marzo 2016;

2014: **Premio** conferito da **Massachusetts Institute of Technology review** come "Smart & Disruptive Project ITALIA 2014", Bologna 11 maggio 2014;

2013: **Relatore** per la prima edizione di **TEDx Bologna** 12 luglio 2011;

2011: **Vincitore** di "**Innovation Special Price**" offerto da Svizzera Biotech – Salone Nazionale Innovazione Torino 18 novembre 2011;

2011: **Primo classificato** a "Italian Start Cup Competition (promossa da CNR, Il Sole 24 Ore e Rete Ventures) per il progetto "Bone-Aid" Genova 4/10/2010;

2010: **Membro ad honorem** della *Società Scientifica di Medicina e Scienze Naturali* dell'Università di Parma, 6 maggio 2010;

2009: **Premio conferito da Time Magazine** per l'innovazione "From wood to bone" come la 30° più importante invenzione dell'anno 2009.

2008: **Lettera di Encomio** da **Literature Awareness System** (UK) per "Design of graded biomimetic osteochondral composite scaffolds. Tampieri A. et al. 2008 *Biomaterials* 29 (26), 3539 fra i più importanti lavori scientifici dell'anno;

2007: **Premio della Comunità Europea "Gender Equality and Scientific Excellence"** per il coordinamento dei progetti europei.

2005: **Premio Marisa Bellisario**: concesso da Confindustria (17° Edizione) dedicato alla SANITA'. Motivazione del premio: "...per avere concretizzato fino al suo utilizzo in clinica di una ricerca innovativa come quella delle ricostruzioni craniche custom made in ceramico biomimetico e bioattivo", 10 giugno 2005;

ATTIVITÀ DI INTERNAZIONALIZZAZIONE

- 16-20 aprile 2018 la sottoscritta ha rappresentato il Dipartimento di Scienze Chimiche e Tecnologie dei Materiali (DSCTM) all'**AFORS Biophysics Program Review** (Arlington, USA) per la realizzazione di attività congiunte con l'Air Force Office Americana e la Johns Hopkins University.
- 27-28 Ottobre 2014 la sottoscritta ha rappresentato il Dipartimento di Scienze Chimiche e Tecnologie dei Materiali (DSCTM) alla tavola Rotonda dell'**Indo-Italian Forum (IIF) on Biomaterials & Tissue Engineering** IIF, New Delhi, India nell'ambito dell'iniziativa intergovernativa bilaterale Italia-India e organizzazione del Workshop per la promozione di Bioengineering and Bidiagnostic;
- 15-17 aprile 2014 la sottoscritta ha rappresentato il Dipartimento di Scienze Chimiche e Tecnologie dei Materiali del CNR a Pechino nell'ambito del "**International Technology Transfer Convention 2014 (ITTC2014)**" per la promozione R&D Italiani nell'iniziativa intergovernativa bilaterale **Italia-Cina**;
- 10-12 maggio 2002 la sottoscritta è stata membro della delegazione ufficiale per la realizzazione del **Workshop on Advanced and Conventional Ceramics: Inuyama (Giappone)**;
- La sottoscritta ha fatto parte della delegazione ufficiale che nel maggio 2001 ha realizzato a Jakarta (Indonesia) l'**Indonesian-Italian Workshop on Advanced and Conventional Ceramics**: iniziativa bilaterale intergovernativa che ha prodotto numerosi interscambi tecnico-scientifici ospitando i Dr. I. Sopyan, Dr. R. Langenati e Dr. N. Herdianto come ricercatori.

- Nel periodo 1990-92 la sottoscritta ha curato la promozione e l'organizzazione dell'evento **CERMAT** in tale ambito ha curato i rapporti con numerose organizzazioni giapponesi e americane quali *Ambasciate Italiana a Tokyo, AIST, JPS, Ente Fiera di Nagoya, Ambasciata Americana a Washington e a San Francisco, National Bureau Standard, etc.*). E' stato infine organizzato uno stand presso la **Fiera di Nagoya** promuovendo la presentazione di attività scientifiche e di trasferimento tecnologica; gli eventi hanno avuto una rilevanza di stampa e sono apparsi sul quotidiano giapponese: "Chunichi Shimbun".

MEMBERSHIP AND CHAIRS

- 2019-2022: **Presidente** dell'International Society of Ceramics in Medicine
- 2017-2019: **Membro dello Scientific Advisory Board** dell'International Society of Ceramics in Medicine
- 2018-Presente: **Membro dello Scientific Advisory Board** of the EC project BIORIMA.
- 12/02/2015: **Membro della Commissione Networking** cluster **Engineering & Upscaling** presso la Commissione Europea "DG Research and Innovation- Key Enabling Technologies"
- 2015: **Membro del Board** di "Falling Wall-Idee che cambiano il futuro", Uni-Trento, 3 July 2015;
- 2015-Presente: **Presidente dello Scientific Advisory Board** e ideatore di Green Bone Ortho S.r.l. start up innovativa nell'ambito delle tecnologie Biomedicali (2° round investimento 23 ML Eur)
- 13/11/2014: **Membro della commissione Networking** cluster **Health and Biomaterials** per i futuri programmi di ricerca della Commissione Europea 2016-2018 –Bruxelles;
- 2014-Today: **Presidente dello Scientific Advisory Board** di GreenBone ortho srl, Italy.
- 2014-2015: **Presidente dello Scientific Advisory Board** del consorzio NAMABIO-EC
- 2013-2015: **Presidente dello Scientific Advisory Board** del consorzio ITN- BIO-INSPIRE- EC
- 2015-Presente: **Membro dell'Editorial Board** di "Frontiers Bioengineering and Biotechnology";
- 2014-Presente: **Membro dell'Editorial Board** di: "Frontiers physiology and dentistry";
- 2012-Presente: **Membro dell'Editorial Board** del Journal "Bioinspired, Biometric and Nanobiomaterials";
- 2010: **Membro di Commissione Esperti** della Comunità Europea per la definizione di "Capacities" nell'ambito del programma "Nanoscienze, Nanotecnologie, Nanomateriali";
- 2005-Presente: **Presidente dello Scientific Advisory Board** di Fin-Ceramica S.p.A. impresa leader Europea in "customized cranial reconstructions" commercializzate da INTEGRA USA;

ORGANIZZAZIONE DI CONVEGNI E SCUOLE

- 2019: **Organizer and Chair** della 32° Edizione della Conferenza Internazionale dell'International Society of Ceramics in Medicine, Bioceramics32, Venezia Mestre, 20-23 Ottobre 2020 ([posticipato a 2022](#)).
- 2019: **Organizer and Chair** del **Simposio** "Ceramics and glasses for healthcare" **ECerS Conference 2019**, 16-20 June, Torino, Italy
- 3-6 Giugno 2013: **Organizer and Chair** del **Simposio** "Smart Biomaterials for Regenerative Medicine" nell'ambito della Conferenza Internazionale **World Biotechnology Conference**, Boston (USA).
- 8-11 Ottobre 2013: **Organizer and Chair** della Conferenza Internazionale "Mime-Materials in Medicine" 1° edizione, Faenza (Italia);
- 23-27 Giugno 2013: **Organizer and Chair** del **Simposio** "Bioceramics and Health" alla 13° edizione della Conferenza di "ECerS European Ceramic Society", Limoges (Francia);
- 13-18 giugno 2010: **Organizer and Chair** del **Simposio** "Bioceramics" Congresso CIMTEC 2010, 12th International Ceramics Congress, Montecatini (Italia);

- 10-13 Settembre 2009: **Organizer and Chair** del **Simposio** “Biomedical Materials and organic biosensors in health and Diagnostics” nella conferenza Internazionale “**EUROMAT**”, Glasgow (UK);
- 2-5 Ottobre 2007: **Organizer and Chair** del **Simposio** “Morphosynthetic Processes” alla **11° CCT**, “Nanotechnology for functional Repair and Regenerative Medicine” Faenza (Italia);
- 10-15 settembre 2007: **Organizer and Chair del Simposio** “Biomedical Materials: Tissue Engineering and drug delivery” nella conferenza Internazionale “**EUROMAT**”, Norimberga (Germania);
- 23-27 maggio 2006: **Organizer and Chair del Simposio** “Compositi Bioibridi” alla **10° CCT**, “Materials for Scaffolding of Biologically Engineered Systems”, Faenza (Italia);
- 13-23 giugno 2005: **Organizer and Chair del Simposio** Compositi “New Biomimetic Materials” alla 9° edizione dell’ “European Ceramic Society Conference-**ECERS**”, Portoroz (Slovenia);
- 28 -10-2004: **Organizer and Chair del Simposio** “Compositi bioibridi” al **9° CCT** “Materials for tissue Engineering”, Faenza (Italy);
- 6-9 October 1998: **Chair del Simposio** “High critical current Superconductors” all’**8° SATT** “National Conference on HTc Superconductivity”, Ravenna (Italy);
- 1-14 luglio 1998: **Organizer and Chair della International Summer School-Advanced School Leonardo da Vinci** “Materiali superconduttori: avanzamenti della tecnologia e dell’applicazione”, Bologna (Italy);
- 2-6 ottobre 1995: **Organizer and Chair del Simposio** “Bulk HTc Superconductors” alla 4° edizione di “**ECERS** Fourth Euroceramics Symposium on HTc Superconductors”, Riccione (Italy).
- 9-13 Novembre 1992: **Organizer and Chair** del **CERMAT** Conference and Exhibition on New Ceramic Materials, Rimini, Italy.

PRESENTAZIONI AD INVITO

Presentazione di **n. 95 Plenary, Keynote, Lectio Magistralis, Invited Lectures** a Convegni Internazionali e Nazionali.

ATTIVITÀ EDITORIALI

2018: **Editor**: Core-Shell Nanostructures for Drug Delivery and Theranostics: Challenges, Strategies and Prospects for Novel Carrier Systems. M Focarete, A Tampieri (2018). Woodhead Publishing

2016-presente: **Editor** di *Bio-inspired Regenerative Medicine: Materials, Processes and Clinical Applications*. (Tampieri A e Sprio S), PAN Stanford Publishing, Singapore.

2016: **Editor** di *CERMODEL 2015 Modelling and simulation meet innovation in Ceramics Technology Cermodel 2015: Modelling and Simulation Meet Innovation in Ceramics Technology* (Tampieri A., D. Bigoni, P. Zannini), Volume 36, Issue 9 of Journal of the European Ceramic Society (2016);

2015-presente: **Co-Editor** of the international Journal “Frontiers Bioengineering and Biotechnology”;

2014-Presente: **Co-Editor** della rivista Internazionale: “Frontiers physiology and dentistry”;

2014: **Guest Editor** della rivista “Journal of Materials Science” per l’edizione speciale dedicata a “MiMe International Conference on Materials in Medicine” (Volume 25, issue 10);

2012-Presente: **Co-Editor** della rivista Internazionale Journal “Bioinspired, Biometric and Nanobiomaterial”;

2000: **Editor** *International Summer School Leonardo da Vinci Superconducting Materials: Advances in Technology and Applications* World Scientific publishing Singapore;

1999: **Editor** Proceedings of the 9th National Congress on High Temperature Superconductivity (SATT9) *International Journal of Modern Physics B* vol. 13 World Scientific publishing Singapore;

1996: **Editor** Proceedings del IV° European Ceramic Society Conference - Symposium on HTc Superconductors, Gruppo Editoriale Faenza Editrice vol.6, vol. 7.

ATTIVITA' DI DOCENZA: CORSI E SCUOLE

- 2020: **Corso di specializzazione in Biotecnologie in chirurgia ortopedica** Università Cattolica del Sacro Cuore- Ospedale Gemelli, Roma
- 2019: **Master in Medicina Rigenerativa per apparato muscolo scheletrico** Humanitas University, Milano
- 2019: **Master di II livello: Emocomponenti e cellule per la medicina rigenerativa** Università del Piemonte Orientale, Novara
- 2017: **Master Business Med Tech Business Course**: Università della Svizzera Italiana, Lugano, Svizzera
- 2015: **Scuola di Specializzazione Ortopedia e Traumatologia** Università Politecnica delle Marche
- 2009: **Master post-laurea Tecniche di caratterizzazione dei geo-materiali per l'industria e per l'ambiente**
Dipartimento di Scienze della Terra- Università di Ferrara
- 2005: **Corso di specializzazione in Biomeccanica, Istituti Ortopedici Rizzoli, Bologna**
- 2003: **Corso di specializzazione in Biotecnologie in chirurgia ortopedica** Università Cattolica del Sacro Cuore- Ospedale Gemelli, Roma
- 2002: **Corso di specializzazione in Parodontologia** Scuola di Odontoiatria, Università di Ferrara
- 1998: **Corso di specializzazione in Chimica e Tecnologia dei materiali**, Chimica industriale, Univ. Bologna.
- 1998: **International Summer School - Advanced School Leonardo da Vinci** Bologna (Italy)
- 1997: **Corso di specializzazione in Chimica e tecnologia dei materiali**, Chimica Industriale Univ. di Bologna
- 1995: **Corso di formazione per Borsisti ENI**, Università di Milano
- 1990: **XV Corso su Materiali Ceramici Avanzati**, Mesagne, Otranto

SUPERVISIONE DI TESI DI LAUREA, DOTTORATO E DOTTORATI INTERNAZIONALI

1990-Presente: **n. 40 Post-docs**, **n.12 Ph.D. students**, **n.14 M.Sc. students**

Università di Bologna, Milano, Torino, Ferrara, Palermo, Roma, Pisa, Padova, Parma, Chieti, Trento (Italy); Institut National Polytechnique de Toulouse, Université de Lyon (France), HMRI (Houston, USA), Columbia University NY, USA.

ATTIVITA' DI DISSEMINAZIONE

- **Trasmissione televisiva RAI SCUOLA NAUTILUS 19/03/2021**
Antica e innovativa, è la Ceramica Intervista a: Anna Tampieri, ISTECC - CNR
- **Trasmissione televisiva**: TG3 del 19.03.2019, Intervista ad Anna Tampieri sul tema: la trasformazione di strutture lignee in impianti ossei.
- **Trasmissione televisiva: Memex I luoghi della scienza**, 13.04.2017, Intervista ad Anna Tampieri con descrizione dell'ISTECC-CNR e delle sue linee di ricerca.
- **Italian Innovation Day**, 27.05.2016: Intervista live ad Anna Tampieri, nel corso dell'evento internazionale che raggruppava recenti idee di business scaturite dalla ricerca italiana.
- **CNR WebTV**, 03.06.2015: Intervista ad Anna Tampieri sul tema: ISTECC-CNR: La ceramica del futuro.
- **CNR WebTV**, 03.06.2015: Intervista ad Anna Tampieri sul tema: ISTECC-CNR: Le nuove frontiere dei materiali ceramici.
- **Trasmissione televisiva**: Sereno Variabile del 06.12.2014, intervista ad Anna Tampieri.
- **Intervista** durante la conferenza internazionale sull'Invecchiamento, 04.10.2013. Intervista ad Anna Tampieri, video al link: <https://www.youtube.com/watch?v=8cv739PWHo>
- **Festival della Scienza 2012**: presentazione di Anna Tampieri: quando la scienza fa impresa, video al link: <https://www.youtube.com/watch?v=ZtAF35ntTxs>.

- **Nanomed TV**, 06.12.2011: presentazione di Anna Tampieri su nuovi materiali per la rigenerazione osteocondrale, video al link: <https://www.youtube.com/watch?v=3ZWYfDCTVt0>.
- **TEDx Bologna**, 26.07.2011: Presentazione di Anna Tampieri, video al link: <https://www.youtube.com/watch?v=JTajQiMh9AU>
- **EC Video**, 17.12.2010: “NanoKids Wooden Bones” intervista ad Anna Tampieri.
- **Trasmissione televisiva**: Tg2 Settegiorni, 23.01.2010, intervista ad Anna Tampieri sul tema della ricerca su biomateriali di nuova generazione ispirati alla natura.
- **Trasmissione televisiva**: TG3 del 22.01.2010, intervista ad Anna Tampieri sul tema: nuovi biomateriali per la medicina rigenerativa nel difficile contesto italiano della ricerca.
- **Trasmissione televisiva**: BBC TV, 03.01.2010. intervista ad Anna Tampieri sul tema: i nuovi impianti ossei derivati dalla trasformazione di strutture lignee, video al link: <https://www.youtube.com/watch?v=qx9pcGbYTEM>
- **Trasmissione televisiva**: Rai3 “Elisir”, 13.12.2009, intervista ad Anna Tampieri: il progetto europeo e le nuove prospettive di impianti gerarchicamente organizzati.
- **Video Reuters**, 26.11.2009, intervista ad Anna Tampieri.

TRASFERIMENTO TECNOLOGICO E VALORIZZAZIONE DELLA PROPRIETÀ INTELLETTUALE

Partendo dalla profonda convinzione personale che la ricerca in tutti i settori del sapere genera conoscenza che, oltre a rispondere ad una esigenza primaria dell’uomo, è il motore dello sviluppo scientifico, culturale, tecnologico ed economico della Società, la sottoscritta ha coordinato il Gruppo di Ricerca Biomateriali dal 1995 al 2016 con una filosofia “*patient-driven*” per lo sviluppo e la traslazione alla Clinica di nuovi prodotti biomedicali.

Negli ultimi 10 anni il settore della Ricerca ha dovuto rispondere ad una crescente richiesta di attività mirate al Technological Transfer, e questo mi ha spinto, nell’ambito dove opero, a potenziare un piano di sviluppo delle competenze del Ricercatore che, oltre agli approfondimenti tecnici, prevedesse soft skills, attitudine al lavoro di squadra, capacità di pianificazione, lavoro per obiettivi e intraprendenza, come alcune delle caratteristiche essenziali per l’acquisizione di competenze manageriali. Contestualmente, ho cercato di proporre un concetto di Ricerca che superi il dualismo tra ricerca finalizzata e ricerca di base verso una loro sintesi cooperativa e sinergica. Questo solo, a mio parere, potrà assicurare lo sviluppo di una conoscenza capace di generare innovazione resiliente lungo tutto il percorso della sua valorizzazione fino al mercato.

Grazie a questo approccio, molti nuovi materiali/processi sviluppati sono stati brevettati e, successivamente, in collaborazione con le industrie interessate, certificati e portati fino alla clinica. Questo percorso prevede la licenza e/o la cessione dei brevetti di ISTECH alle imprese e un’intensa attività di supporto scientifico attraverso contratti industriali con il concretizzarsi di un circolo virtuoso pubblico-privato.

Si citano, a titolo di esempio, i più importanti materiali/dispositivi sviluppati e oggi presenti sul mercato:

CustomBone®: Impianto in idrossiapatite porosa customizzato per ricostruzione di grandi porzioni di osso cranico, ha ricevuto la certificazione FDA nel 2020 ed è l’unico impianto in grado di essere applicato in pediatria, grazie alle eccellenti capacità osteointegrative.

SintLife®: pasta iniettabile di idrossiapatite sostituita con ioni Mg^{2+} per la rigenerazione ossea in ambiente orale e cranio-maxillofaciale.

EngiPore®: Impianto in idrossiapatite porosa ad elevata osteointegrabilità per la rigenerazione ossea.

MaioRegen®: Impianto ibrido di collagene mineralizzato con nano-idrossiapatite, a gradiente di composizione e porosità, per la rigenerazione di regioni osteocondrali.

RegenOss®: Impianto ibrido di collagene mineralizzato con nano-idrossiapatite, disegnato per la rigenerazione dell’osso, particolarmente in regioni spinali.

GreenBone®: Impianto di idrossiapatite nanocristallina multi-sostituita ottenuto mediante un processo di trasformazione biomorfica, e disegnato per la rigenerazione di lunghi segmenti di osso portante carico.

Biosmalto® Dentifricio e collutorio commercializzato da CURASEPT con attività di igienizzazione e rimineralizzazione.

Biosmalto® Mousse per uso specialistico con specifiche funzioni sbiancanti

BREVETTI

Patents internazionali

- **WO2020030442 (A1)**: “System for chemical transformation of 3D state materials”, 09/08/2018.
Livello di diffusione: EU, USA, India, Indonesia, Emirati Arabi Uniti.
Ceduto in licenza esclusiva e poi venduto all’azienda GreenBone ortho srl, Faenza nel 2019. Rif. CNR 10613: prot. 0054693 del 25/07/2019
- **WO2017021894 (A1)**: “Large 3D porous scaffolds made of active hydroxyapatite obtained by biomorphic transformation of natural structures and process for obtaining them”, 06/08/2015, PCT/IB2016/054665.
Livello di diffusione: EU, USA, Russia, China, San Marino, Australia, Hong Kong, India, Canada, Japan, Korea, South Africa, Brazil, Mexico
Ceduto in licenza esclusiva e poi venduto all’azienda GreenBone ortho srl, Faenza nel 2018. Rif. CNR 10453: prot. 0005694 del 25/01/2018.
- **WO2018158684**: “Filter for the exchange of heat and moisture for application in the medical field and procedure for the production thereof”, 27/02/2018
Livello di diffusione: EU, USA, Canada, China, Korea
- **WO2017153888**: “Physical solar filters consisting of substituted hydroxyapatite in an organic matrix”, 07/03/2016. Serial: PCT/IB2017/051290.
Livello di diffusione: EU, USA, Canada, China, Korea
- **WO2015193836 (A1)**: “Injectable apatitic cement ionically multi-substituted for regenerative vertebroplasty and kyphoplasty”. PCT/IB2015/054594.
Livello di diffusione: EU: Italy, France, UK; Germany, Spain, Switzerland, the Netherlands, Belgium
- **P201431091**: Procedimiento de obtencion de nanoparticulas de fosfato de calcio amorfo recubiertas de citrato. Registration date: 21/07/2014.
- Inventors: Josè Manuel Delgado-Lopez, Jaime Gomez-Morales, Raquel Fernandez Penas, Michele Iafisco, Anna Tampieri, Silvia Panseri
- **WO2012014172**: “Intrinsically Magnetic Hydroxyapatite”. PCT/IB2011/053362.
- Livello di diffusione: EU, USA, Canada, Brasile, Cina, Danimarca, Giappone, Corea, Messico, Sud Africa, Australia, Nuova Zelanda, Russia, Singapore.
- **WO2012063201**: “Implants for “load-bearing” bone substitutions having hierarchical organized architecture deriving from transformation of vegetal structures”. PCT/IB2011/054980.
Livello di diffusione: EU, USA, Russia, China, San Marino, Australia, Hong Kong, India, Canada
Ceduto in licenza esclusiva e poi venduto all’azienda GreenBone ortho srl, Faenza nel 2018. Rif. CNR 10074: prot. 0005694 del 25/01/2018.
- **WO2008146113**: “Process for coating a surface of a metal element to increase osteointegration thereof and prosthetic device including said element”. PCT/IB2008/001229.
Livello di diffusione: Italy
- **WO2007045953**: “A composite based on an apatite and a polysaccharide, method for its preparation and uses thereof”. PCT/IB2006/002843.
Livello di diffusione: Italy

- **WO2007045954**: “A plurisubstituted hydroxyapatite and the composite thereof with a natural and/or synthetic polymer, their preparation and uses thereof”. PCT/IB2006/002844.
Livello di diffusione: EU, USA, Japan, Canada, Brazil, Australia
Ceduto in licenza esclusiva e poi venduto all’azienda Finceramica SpA, Faenza nel 2015. Rif. CNR 1682: prot. 0065187 del 01/10/2015.
- **WO2007029276**: “Pin for anchorage of articular prosthesis, articular prosthesis comprising said pin, tibial component and articular prosthesis for the knee comprising said tibial component”. PCT/IT2006/000639.
Livello di diffusione: EU, USA, Australia, Canada, Cina, Japan
- **WO2006092718**: “Cartilaginous and osteochondral substitute comprising multilayer structure and use thereof”. PCT/IB2006/000452. **(Royalties a ISTECCNR)**
Livello di diffusione: EU, USA, Australia, Brasile, Canada, Cina, Danimarca, Giappone, Sud Africa.
- **WO2005082780**: “Biomimetic compounds containing hydroxyapatites substituted with magnesium and carbonate, and the processes used to obtain them”. PCT/EP2005/050815.
Livello di diffusione: EU, USA **Ceduto in licenza esclusiva a Finceramica SpA, Faenza nel 2010.**
- **EP1447104**: “Process to synthesize artificial bone tissue”. Inventors: Tampieri Anna, Celotti Giancarlo, Roveri Norberto, Landi Elena. Registration date: 18/08/2004
Designated States: EP1447104 (A1) EP1447104 (B1) ES2334503 (T3) DK1447104 (T3) AT444766 (T)
Patent granted in licence the 01/06/2010 to FINCERAMICA S.p.A. Faenza (Italy)

Patents Nazionali

- Patent granted nr. IT1307292 (B1). Patent application for industrial invention, filing of the application n. ITRM990754: **“Dispositivo medico bio-attivo per la ricostruzione del tessuto osseo a base di idrossiapatite a porosità controllata”**.
Inventors: Martinetti Roberta, Ravaglioli Antonio, Nataloni Angelo, Zaghini Nicola, Belpassi Andrea, Tampieri Anna. Registration date: 13/06/2001
- Patent granted nr. IT1320938 (B1). Patent application for industrial invention, filing of the application n. ITBO20000038: **“Idrossiapatite a gradiente come materiale per le sostituzioni ossee”**.
Inventors: Celotti Giancarlo, De Santis Ernesto, Lorini Giovanni, Tampieri Anna.
Registration date: 31/07/2001
- Patent granted nr. IT1317939 (B1). Patent application for industrial invention, filing of the application n. ITRM20000603: **“Processo sol-gel di produzione di polveri di idrossiapatite”**.
Inventors: Bezzi Giovanni, Tampieri Anna, La Torretta Teresa M. Giovanna, Celotti Giancarlo.
Registration date: 17/05/2002
- Patent granted nr. IT1317940 (B1). Patent application for industrial invention, filing of the application n. ITRM20000604: **“Processo sol-gel di produzione di polveri di fosfato di calcio, in particolare di beta-tricalciofosfato e alfa-tricalciofosfato”**.
Inventors: Bezzi Giovanni, Tampieri Anna, La Torretta Teresa M. Giovanna, Celotti Giancarlo.
Registration date: 17/05/2002
- Patent application for industrial invention, filing of the application n. RM2014A000326: **“Cemento iniettabile apatitico ionicamente multi-sostituito per vertebroplastica rigenerativa”**.
Inventors: Sprio Simone, Tampieri Anna, Sandri Monica, Panseri Silvia, Logroscino Giandomenico
Registration date: 19/06/2014
- Patent application for industrial invention, nr. deposito MI2014A002207: **“Prodotti per la veicolazione di composti terapeutici/diagnostici al cuore”**.
Inventors: Daniele Catalucci, Michele Miragoli, Michele Iafisco, Anna Tampieri.
Registration date: 22/12/2014

- ITUA20161412 (A1): “Composite material made of organic substrates and hydroxyapatite substituted with titanium and/or iron for use in dye sensitized solar cells”
Inventors: Tampieri A, Sandri M, Sprio S, Sanson A.
Registration date: 07/03/2016. ITUA20161412 (A1) — 2017-09-07

PUBBLICAZIONI

ISI Journal Articles

1. Kon E, Salamanna F, Filardo G, Di Matteo B, Shabshin N, Shani J, Fini M, Perdisa F, Parrilli A, Sprio S, Ruffini A, Marcacci M, Tampieri A. (2021) Bone regeneration in load-bearing segmental defects guided by biomorphic, hierarchically structured apatitic scaffold. *Frontiers in Bioengineering and Biotechnology* 9 734486. doi: 10.3389/fbioe.2021.734486. **IF: 5.890**
2. Sprio S, Ruffini A, Tampieri A. Biomorphic transformations: a leap forward in getting nanostructured 3-D bioceramics. *Frontiers in Chemistry* doi: 10.3389/fchem.2021.728907 **IF: 3.994**
3. Ruffini A, Sandri M, Dapporto M, Campodoni E, Tampieri A, Sprio S. (2021). Nature-Inspired Unconventional Approaches to Develop 3D Bioceramic Scaffolds with Enhanced Regenerative Ability. *Biomedicines* 9(8): 916. doi: 10.3390/biomedicines9080916. PMID: 34440120. **IF: 6.081**
4. Iaquinta MR, Torreggiani E, Mazziotta C, Ruffini A, Sprio S, Tampieri A, Tognon M, Martini F, Mazzone E. (2021) In Vitro Osteoinductivity Assay of Hydroxylapatite Scaffolds, Obtained with Biomorphic Transformation Processes, Assessed Using Human Adipose Stem Cell Cultures. *Int J Mol Sci* 22 (13): 7092. doi: 10.3390/ijms22137092. PMID: 34209351. **IF: 5.923**
5. Mulazzi M, Campodoni E, Bassi G, Montesi M, Panseri S, Bonvicini F, Gentilomi GA, Tampieri A, Sandri M. (2021) Medicated Hydroxyapatite/Collagen Hybrid Scaffolds for Bone Regeneration and Local Antimicrobial Therapy to Prevent Bone Infections. *Pharmaceutics* 13(7): 1090. doi: 10.3390/pharmaceutics13071090. PMID: 34371782. **IF: 6.321**
6. Parente R, Possetti V, Schiavone ML, Campodoni E, Menale C, Loppini M, Doni A, Bottazzi B, Mantovani A, Sandri M, Tampieri A, Sobacchi C, Inforzato A. (2021) 3D Cocultures of Osteoblasts and Staphylococcus aureus on Biomimetic Bone Scaffolds as a Tool to Investigate the Host-Pathogen Interface in Osteomyelitis. *Pathogens* 10(7): 837. doi: 10.3390/pathogens10070837. PMID: 34357987. **IF: 3.492**
7. Sangiorgi N, Bendoni R, Sangiorgi A, Aversa L, Tatti R, Verucchi R, Adamiano A, Sandri M, Tampieri A, Sanson A. (2021) Titanium-doped hydroxyapatites photoanodes for Dye-Sensitized Solar Cells. *Ceram Int* 47(7): 9701-9710. doi: 10.1016/j.ceramint.2020.12.109. **IF: 4.527**
8. Dapporto M, Gardini D, Tampieri A, Sprio S. Nanostructured Strontium-Doped Calcium Phosphate Cements: A Multifactorial Design (2021). *Appl Sci* 11(5): 2075. doi: 10.3390/app11052075. **IF: 2.679**
9. Mazzone E, Iaquinta MR, Lanzillotti C, Mazziotta C, Maritati M, Montesi M, Sprio S, Tampieri A, Tognon M, Martini F (2021). Bioactive Materials for Soft Tissue Repair. *Front Bioeng Biotechn* 9: 613787. doi: 10.3389/fbioe.2021.613787. PMID: 33681157. **IF: 5.89**.
10. Tampieri A, Sandri M, Iafisco M, Panseri S, Montesi M, Adamiano A, Dapporto M, Campodoni E, Dozio S M, Degli Esposti L, Sprio S (2021). Nanotechnological approach and bio-inspired materials to face degenerative diseases in aging. *Aging Clin Exper Res*. 1-17. DOI: 10.1007/s40520-019-01365-6 PMID: 31595428. **IF: 5.48**
11. Patricio TMF, Mumcuoglu D, Montesi M, Panseri S, Witte-Bouma J, Garcia SF, Sandri M, Tampieri A, Farrell E, Sprio S (2021). Bio-inspired polymeric iron-doped hydroxyapatite microspheres as a tunable

carrier of rhBMP-2. **Mater Sci Eng C: Mater Biol Appl** 119: 111410. doi: 10.1016/j.msec.2020.111410. PMID: 33321577. **IF: 7.328**

12. Ramirez-Rodriguez GB, Pereira AR, Herrmann M, Hansmann J, Delgado-Lopez JM, Sprio S, Tampieri A, Sandri M. (2021) Bone-like ceramic scaffolds designed with bioinspired porosity induce a different stem cell response. **J Mater Sci: Mater Med** 22(3): 1447. doi: 10.3390/ijms22031447. PMID: 33535576. **IF: 5.923**
13. Bassi G, Panseri S, Dozio SM, Sandri M, Campodoni E, Dapporto M, Sprio S, Tampieri A, Montesi M. (2020) Scaffold-based 3D cellular models mimicking the heterogeneity of osteosarcoma stem cell niche. **Sci Rep** 10(1): 22294. doi: 10.1038/s41598-020-79448-y. PMID: 33339857. **IF: 4.379**
14. Guerrieri AN, Montesi M, Sprio S, Laranga R, Mercatali L, Tampieri A, Donati DM, Lucarelli E. (2020). Innovative Options for Bone Metastasis Treatment: An Extensive Analysis on Biomaterials-Based Strategies for Orthopedic Surgeons. **Front Bioeng Biotechn** 8: 589964. doi: 10.3389/fbioe.2020.589964. PMID: 33123519. **IF: 5.89**
15. Toni R, Di Conza G, Barbaro F, Zini N, Consolini E, Dallatana D, Antoniel M, Quarantini E, Quarantini M, Maioli S, Celeste Angela Bruni, Lisa Elviri, Silvia Panseri, Simone Sprio, Monica Sandri, Anna Tampieri (2020) Microtopography of Immune Cells in Osteoporosis and Bone Lesions by Endocrine Disruptors. **Front Immun** 11: 1737. doi: 10.3389/fimmu.2020.01737. PMID: 33013826. **IF: 6.429**
16. Sprio S, Dapporto M, Preti L, Mazzoni E, Iaquina MR, Martini F, Tognon M, Pugno NM, Restivo E, Visai L, Tampieri A. (2021) Enhancement of the Biological and Mechanical Performances of Sintered Hydroxyapatite by Multiple Ions Doping. **Front Mater** 7: 224. doi: 10.3389/fmats.2020.00224 **IF: 3.34**
17. Campodoni E, Dozio SM, Panseri S, Montesi M, Tampieri A, Sandri M. (2020) Mimicking Natural Microenvironments: Design of 3D-Aligned Hybrid Scaffold for Dentin Regeneration. **Front Bioeng Biotechn** 8: 836. doi: 10.3389/fbioe.2020.00836. PMID: 32793577. **IF: 5.89**
18. Dellaquila A, Campodoni E, Tampieri A, Sandri M. (2020) Overcoming the Design Challenge in 3D Biomimetic Hybrid Scaffolds for Bone and Osteochondral Regeneration by Factorial Design. **Front Bioeng Biotechn** 8: 743. doi: 10.3389/fbioe.2020.00743. PMID: 32775321 **IF: 5.89**
19. Degli Esposti L, Ionescu AC, Brambilla E, Tampieri A, Iafisco M. (2020) Characterization of a Toothpaste Containing Bioactive Hydroxyapatites and In Vitro Evaluation of Its Efficacy to Remineralize Enamel and to Occlude Dentinal Tubules. **Materials** 13(13): 2928. doi: 10.3390/ma13132928. PMID: 32629879. **IF: 3.623**
20. Campodoni E, Montanari M, Dozio SM, Heggset EB, Panseri S, Montesi M, Tampieri A, Syverud K, Sandri M. (2020) Blending Gelatin and Cellulose Nanofibrils: Biocomposites with Tunable Degradability and Mechanical Behavior. **Nanomater** 10(6): 1219. doi: 10.3390/nano10061219. PMID: 32580479. **IF: 5.076**
21. Degli Esposti L, Adamiano A, Tampieri A, Ramirez-Rodriguez GB, Siliqi D, Giannini C, Ivanchenko P, Martra G, Lin, FH, Delgado-Lopez JM. (2020) Combined Effect of Citrate and Fluoride Ions on Hydroxyapatite Nanoparticles. **Cryst Growth Des** 20(5): 3163-3172. doi: 10.1021/acs.cgd.0c00038. **IF: 4.076**
22. Filardo G, Roffi A, Fey T, Fini M, Giavaresi G, Marcacci M, Martinez-Fernandez J, Martini L, Ramirez-Rico J, Salamanna F., M Sandri, S. Sprio, A. Tampieri, E. Kon (2020) Vegetable hierarchical structures as template for bone regeneration: New bio-ceramization process for the development of a bone scaffold applied to an experimental sheep model. **J Biomed Mater Res Part B: Appl Biomater** 108(3): 600-611. doi: 10.1002/jbm.b.34414. PMID: 31095882. **IF: 3.368**
23. Sprio S, Panseri S, Montesi M, Dapporto M, Ruffini A, Dozio SM, Cavuoto R, Misseroni D, Paggi M, Bigoni D, Tampieri A. (2020) Hierarchical porosity inherited by natural sources affects the mechanical and biological behaviour of bone scaffolds. **J Eur Ceram Soc** 40(4): 1717-1727. doi: 10.1016/j.jeurceramsoc.2019.11.015. **IF: 5.302**

24. Goranov V, Shelyakova T, De Santis R, Haranava Y, Makhaniok A, Gloria A, Tampieri A, Russo A, Kon E, Marcacci M. (2020) 3D Patterning of cells in Magnetic Scaffolds for Tissue Engineering. **Sci Rep** 10(1): 2289. doi: 10.1038/s41598-020-58738-5. PMID: 32041994 **IF: 4.379**
25. Bigoni D, Cavuoto R, Misseroni D, Paggi M, Ruffini A, Sprio S, Tampieri A (2020). Ceramics with the signature of wood: a mechanical insight. **Mater Today Bio** 5, 100032. doi: 10.1016/j.mtbio.2019.100032. PMID: 32211602. **IF: 7.348**
26. Dellaquila A, Greco G, Campodoni E, Mazzocchi M, Mazzolai B, Tampieri A, Pugno N M, Sandri M (2020). Optimized production of a high-performance hybrid biomaterial: biomineralized spider silk for bone tissue engineering. **J Appl Polym Sci**, 48739 doi: 10.1002/app.48739 **IF: 3.125**
27. Sprio S, Panseri S, Montesi M, Dapporto M, Ruffini A, Dozio SM, Cavuoto R, Misseroni D, Paggi M, Bigoni D, Tampieri A (2020). Hierarchical porosity inherited by natural sources affects the mechanical and biological behaviour of bone scaffolds. **J Eu Ceram Soc.** doi: 10.1016/j.jeurceramsoc.2019.11.015 **IF: 5.302**
28. Dozio SM, Montesi M, Campodoni E, Sandri M, Piattelli A, Tampieri A, Panseri S (2019). Differences in osteogenic induction of human mesenchymal stem cells between a tailored 3D hybrid scaffold and a 2D standard culture. **J Mater Sci: Mater Med** 30 (12), 136. doi: 10.1007/s10856-019-6346-3. PMID: 31802234. **IF: 3.896**
29. Sprio S, Preti L, Montesi M, Panseri S, Adamiano A, Vandini A, Pugno NM, Tampieri A (2019). Surface Phenomena Enhancing the Antibacterial and Osteogenic Ability of Nanocrystalline Hydroxyapatite, Activated by Multiple-Ion Doping. **ACS Biomater Sci Eng** 5 (11), 5947-5959. doi: 10.1021/acsbiomaterials.9b00893. PMID: **33405685** **IF: 4.41**
30. Taschieri S, Del Fabbro M, Panda S, Goker F, Babina KS, Tampieri A, Mortellaro C (2019). Prospective clinical and histologic evaluation of alveolar socket healing following ridge preservation using a combination of hydroxyapatite and collagen biomimetic xenograft. **J Craniofac Sur** 30 (4), 1089-1094. Doi: 10.1097/SCS.0000000000005416. PMID: 30839465. **IF: 1.046**
31. Bortolomai I, Sandri M, Draghici E, Fontana E, Campodoni E, Marcovecchio G E, Ferrua F, Perani L, Spinelli A, Canu T, Catucci M, Di Tomaso T, Sergi Sergi L, Esposito A, Lombardo A, Naldini L, Tampieri A, Hollander G A, Villa A, Bosticardo M. Gene Modification and Three-Dimensional Scaffolds as Novel Tools to Allow the Use of Postnatal Thymic Epithelial Cells for Thymus Regeneration Approaches. **Stem Cells Transl Med** 8(10):1107-1122. DOI: 10.1002/sctm.18-0218. PMID: 31140762. **IF: 6.094**
32. Adamiano A, Wu VM, Carella F, Lamura G, Canepa F, Tampieri A, Iafisco M, Uskoković V. Magnetic calcium phosphates nanocomposites for the intracellular hyperthermia of cancers of bone and brain. **Nanomedicine** 14 (10), 1267-1289. doi: 10.2217/nnm-2018-0372. PMID: 31124760. **IF: 5.307**
33. Ding M, Koroma KE, Sorensen JR, Sandri M, Tampieri A, Jespersen SM, Overgaard S (2019). Collagen-hydroxyapatite composite substitute and bone marrow nuclear cells on posterolateral spine fusion in sheep. **J Biomater Appl**, 34(3):365-374. DOI: 10.1177/0885328219851315. PMID: 31109260. **IF: 2.646**
34. Minardi S, Taraballi F, Cabrera FJ, Van Eps J, Wang X, Gazze SA, Fernandez-Moure JS, Tampieri A, Francis L, Weiner BK, Tasciotti E. (2019) Biomimetic hydroxyapatite/collagen composite drives bone niche recapitulation in a rabbit orthotopic model. **Mater Today Bio** 2, 100005. doi: 10.1016/j.mtbio.2019.100005. PMID: 32159142. **IF: 7.348**
35. Patricio TMF, Panseri S, Montesi M, Iafisco M, Sandri M, Tampieri A, Sprio S (2019). Superparamagnetic hybrid microspheres affecting osteoblasts behaviour. **Mater Sci Eng: C** 96, 234-247. doi: 10.1016/j.msec.2018.11.014. PMID: 30606529. **IF: 7.328**
36. Iaquina MR, Mazzoni E, Bononi I, Rotondo JC, Mazziotta C, Montesi M, Sprio S, Tampieri A, Tognon M, Martini F (2019). Adult Stem Cells for Bone Regeneration and Repair. **Front Cell Develop Biol** 7. doi: 10.3389/fcell.2019.00268. PMID: 31799249. **IF: 6.684**

37. Carella F, Degli Esposti L, Barreca D, Rizzi GA, Martra G, Ivanchenko P, Escolano-Casado G, Gomez-Morales J, Delgado-López JM, Tampieri A, Iafisco M (2019). Role of citrate on the formation of enamel-like calcium phosphate oriented nanorod arrays. **CrystEngComm** 21, 4684-4689. doi: 10.1039/C9CE00508K. **IF: 3.545**
38. Roffi A, Kon E, Perdisa F, Fini M, Di Martino A, Parrilli A, Salamanna F, Sandri M, Sartori M, Sprio S, Tampieri A, Marcacci M, Filardo G (2019). A Composite Chitosan-Reinforced Scaffold Fails to Provide Osteochondral Regeneration. **Int J Mol Sci** 20 (9), 2227. doi: 10.3390/ijms20092227. PMID: 31067635. **IF: 5.923**
39. Tampieri A, Ruffini A, Ballardini A, Montesi M, Panseri S, Salamanna F, Fini M, Sprio S (2019) Heterogeneous chemistry in the 3-D state: an original approach to generate bioactive, mechanically-competent bone scaffolds. **Biomater Sci** 7 (1), 307-321. doi: 10.1039/c8bm01145a. PMID: 30468436. **IF: 6.843**
40. Campodoni E, Heggset EB, Rashad A, Ramírez-Rodríguez GB, Mustafa K, Syverud K, Tampieri A, Sandri M (2019). Polymeric 3D scaffolds for tissue regeneration: Evaluation of biopolymer nanocomposite reinforced with cellulose nanofibrils. **Mater Sci Eng: C** 94, 867-878. DOI: 10.1016/j.msec.2018.10.026. PMID: 30423774. **IF: 7.328**
41. Menale C, Campodoni E, Palagano E, Mantero S, Erreni M, Inforzato A, Fontana E, Schena F, van't Hof R, Sandri M, Tampieri A, Villa A, Sobacchi C. (2019) Mesenchymal Stromal Cell-Seeded biomimetic scaffolds as a factory of soluble RANKL in Rankl-deficient osteopetrosis. **Stem Cells Transl Med** 8 (1), 22-34. doi: 10.1002/sctm.18-0085. PMID: 30184340. **IF: 6.94**
42. Iafisco M, Degli Esposti L, Ramírez-Rodríguez GB, Carella F, Gómez-Morales J, Ionescu A C, Brambilla E, Tampieri A, Delgado-López J M (2018) Fluoride-doped amorphous calcium phosphate nanoparticles as a promising biomimetic material for dental remineralization. **Sci Rep** 8 (1), 17016. Doi: 10.1038/s41598-018-35258-x. PMID: 30451901. **IF: 4.379**
43. Sprio S, Campodoni E, Sandri M, Preti L, Keppler T, Müller F, Pugno NM, Tampieri A (2018) A Graded Multifunctional Hybrid Scaffold with Superparamagnetic Ability for Periodontal Regeneration. **Int J Mol Sci** 19 (11), 3604. doi: 10.3390/ijms19113604. PMID: 30445700. **IF: 5.923**
44. Sarda S, Iafisco M, Pascaud-Mathieu P, Adamiano A, Montesi M, Panseri S, Marsan O, Thouron C, Dupret-Bories A, Tampieri A, Drouet C (2018). Interaction of Folic Acid with Nanocrystalline Apatites and Extension to Methotrexate (Antifolate) in View of Anticancer Applications. **Langmuir** 34 (40), 12036-12048. doi: 10.1021/acs.langmuir.8b02602. PMID: 30204449. **IF: 3.882**
45. Degli Esposti L, Carella F, Adamiano A, Tampieri A, Iafisco M (2018). Calcium phosphate-based nanosystems for advanced targeted nanomedicine. **Drug Dev Ind Pharm** 44 (8), 1223-1238. doi: 10.1080/03639045.2018.1451879. PMID: 29528248 **IF: 3.225**
46. Marrella A, Iafisco M, Adamiano A, Rossi S, Aiello M, Barandalla-Sobrados M, Carullo P, Miragoli M, Tampieri A, Scaglione S, Catalucci D (2018). A combined low-frequency electromagnetic and fluidic stimulation for a controlled drug release from superparamagnetic calcium phosphate nanoparticles: potential application for cardiovascular diseases. **J R Soc Interf** 15 (144), 20180236. doi: 10.1098/rsif.2018.0236. PMID: 29997259. **IF: 4.118**
47. Bertoglio F, Bloise N, Oriano M, Petrini P, Sprio S, Imbriani M, Tampieri A, Visai L. (2018) Treatment of Biofilm Communities: An Update on New Tools from the Nanosized World. **Appl Sci** 8 (6), 845. doi: 10.3390/app8060845. **IF: 2.679**
48. Adamiano A, Iafisco M, Sandri M, Basini M, Arosio P, Canu T, Sitia G, Esposito A, Iannotti V, Ausanio G, Fragogeorgi E, Rouchota M, Loudos G, Lascialfari A, Tampieri A. (2018) On the use of superparamagnetic hydroxyapatite nanoparticles as an agent for magnetic and nuclear in vivo imaging. **Acta Biomater** 73, 458-469. Doi: 10.1016/j.actbio.2018.04.040. PMID: 29689381. **IF: 8.947**

49. Russo A, Bianchi M, Sartori M, Boi M, Giavaresi G, Salter DM, Jelic M, Maltarello MC, Ortolani A, Sprio S, Fini M, Tampieri A, Marcacci M (2018). Bone regeneration in a rabbit critical femoral defect by means of magnetic hydroxyapatite macroporous scaffolds. **J Biomed Mater Res Part B: Appl Biomater** 106 (2), 546-554. doi: 10.1002/jbm.b.33836 PMID: 28199046. **IF: 3.368**
50. Miragoli M, Ceriotti P, Iafisco M, Vacchiano M, Salvarani N, Alogna A, Carullo P, Ramirez-Rodríguez G B, Patrício TMF, Degli Esposti L, Rossi F, Ravanetti F, Pinelli S, Alinovi R, Erreni M, Rossi S, Condorelli G, Post H, Tampieri A, Catalucci D (2018) Inhalation of peptide-loaded nanoparticles improves heart failure. **Science Transl Med** 10 (424), eaan6205. doi: 10.1126/scitranslmed.aan6205. PMID: 29343624. **IF: 17.956**
51. Krishnakumar GS, Gostynska N, Dapporto M, Campodoni E, Montesi M, Panseri S, Tampieri A, Kon E, Marcacci M, Sprio S, Sandri M. (2018) Evaluation of different crosslinking agents on hybrid biomimetic collagen-hydroxyapatite composites for regenerative medicine. **Int J Biol Macromol** 106, 739-748. doi: 10.1016/j.ijbiomac.2017.08.076. PMID: 28827204. **IF: 6.953**
52. Ballardini A, Montesi M, Panseri S, Vandini A, Balboni PG, Tampieri A, Sprio S. (2018) New hydroxyapatite nanophases with double antibacterial and osteogenic ability **J Biomed Mater Res.** 106(2):521-530. doi: 10.1002/jbm.a.36249 **IF: 4.396**
53. Bigoni D, Tampieri A, Zannini P. (2018) Cermodel 2017: Modelling and Simulation Meet Innovation in Ceramics Technology July 26-28, 2017, Trento, Italy Preface. **J Eur Ceram Soc** 38(8): 2909-2910. doi: 10.1016/j.jeurceramsoc.2018.02.034. **IF: 5.302**
54. Pistone A., Iannazzo D., Espro C., Galvagno S., Tampieri A., Montesi M., Panseri S., Sandri M. Tethering of Gly-Arg-Gly-Asp-Ser-Pro-Lys Peptides on Mg-Doped Hydroxyapatite. **Engineering** 3 (2017) 55–59. doi: 10.1016/J.ENG.2017.01.007 **IF: 7.753**
55. Schena F., Menale C., Caci E., Diomede L., Palagano E., Recordati C., Sandri M., Tampieri A., Bortolomai I., Capo V., Pastorino C., Bertoni A., Gattorno M., Martini A., Villa A., Traggiai E., Sobacchi C. Murine Rankl^{-/-} Mesenchymal Stromal Cells display an osteogenic differentiation defect improved by a RANKL-expressing lentiviral vector **STEM CELLS** 35(5) (2017) 1365–1377 doi: 10.1002/stem.2574. PMID: 28100034. **IF: 6.277**
56. Gostynska N, Gopal Shankar K, Campodoni E, Panseri S, Montesi M, Sprio S, Kon E, Marcacci M, Tampieri A, Sandri M. (2017) 3D porous collagen scaffolds reinforced by glycation with ribose for tissue engineering application. **Biomed Mater** 12(5):055002. doi: 10.1088/1748-605X/aa7694. PMID: 28573980. **IF: 3.715**
57. Ramírez-Rodríguez GB, Montesi M, Panseri S, Sprio S, Tampieri A, Sandri M. Biom mineralized recombinant collagen-based scaffold mimicking native bone enhances mesenchymal stem cell interaction and differentiation (2017) **Tissue Eng part A.** 23(23-24):1423-1435. doi: 10.1089/ten.TEA.2017.0028. PMID: 28637399. **IF: 3.508**
58. Giorgi P, Capitani D, **Sprio S**, Sandri M, Tampieri A, Canella V, Nataloni A, Schirò GR. (2017) A new bioinspired collagen-hydroxyapatite composite as bone graft substitute in adult scoliosis surgery: results at 3-year follow-up. **J Appl Biomater Funct Mater** 15(3) e262-e270. doi: 10.5301/jabfm.5000366. **IF: 2.604**
59. Bianchi M, Ballardini A, Liscio F, Berni M, Gambardella A, Leeuwenburgh S, Degli Esposti L, Sprio S, Tampieri A, Iafisco M. (2017) Strontium doped calcium phosphate coatings on poly(etheretherketone) (PEEK) by pulsed electron deposition. **Surf Coat Techn** 319: 191-199. doi.org/10.1016/j.surfcoat.2017.04.012. **IF: 4.158**
60. Adamiano A, Sangiorgi N, Sprio S, Ruffini A, Sandri M, Sanson A, Gras P, Grossin D, Francès C, Chatzipanagis K, Bilton M, Marzec B, Varesano A, Meldrum F, Kroger R, Tampieri A. (2017) Biom mineralization of a titanium-doped hydroxyapatite semiconductor on conductive wool fibers. **J Mater Chem B** 5: 7608-7621. doi: 10.1039/C7TB00211D. PMID: 32264236. **IF: 6.331**

61. Ivanchenko, P, Delgado-Lopez, JM, Iafisco, M, Gomez-Morales, J, Tampieri, A, Martra, G, Sakhno, Y. (2018) On the surface effects of citrates on nano-apatites: evidence of a decreased hydrophilicity. *Sci Rep* 7: 8901. Doi: 10.1038/s41598-017-09376-x **IF: 4.379**
62. Scarano, A, Lorusso, F, Staiti, G, Sinjari, B, Tampieri, A, Mortellaro, C. Sinus Augmentation with Biomimetic Nanostructured Matrix: Tomographic, Radiological, Histological and Histomorphometrical Results after 6 Months in Humans. *Front Physiol* 8: 565. Doi: 10.3389/fphys.2017.00565. **IF: 4.566**
63. Piccirillo C, Adamiano A, Tobaldi DM, Montalti M, Manzi J, Castro P, Panseri S, Montesi M, Sprio S, Tampieri A, Iafisco M. (2017) Luminescent calcium phosphate bioceramics doped with europium derived from fish industry by-products. *J Amer Ceram Soc* 100: 3402–3414. DOI: 10.1111/jace.14884. **IF: 3.784**
64. Polini A, Geta Petre D, Iafisco M, de Lacerda Schickert S, Tampieri A, van den Beucken J, CG Leeuwenburgh S. (2017) Polyester fibers can be rendered calcium phosphate - binding by surface functionalization with bisphosphonate groups. *J Biomed Mater Res Part A*, 105 (8), 2335-2342. Doi: 10.1002/jbm.a.36077. PMID: 28371150. **IF: 4.396**
65. Iannotti V, Adamiano A, Ausanio G, Lanotte L, Aquilanti G, Coey JMD, Lantieri M, Spina G, Fittipaldi M, Margaritis G, Trohidou K, Sprio S, Montesi M, Panseri S, Sandri M, Iafisco M, Tampieri A. (2017) Fe-doping induced magnetism in nano-hydroxyapatite. *Inorg Chem* 56(8):4447-4459. doi: 10.1021/acs.inorgchem.6b03143. PMID: 28379709. **IF: 5.165**
66. Fernandes Patricio TM, Panseri S, Sandri M, Tampieri A, Sprio S. (2017) New bioactive bone-like microspheres with intrinsic magnetic properties obtained by bio-inspired mineralization process. *Mat Sci Eng C* 77: 613-623. DOI: 10.1016/j.msec.2017.03.258 PMID: 28532072. **IF: 7.328**
67. Shankar KG, Gostynska N, Campodoni E, Dapporto M, Montesi M, Panseri S, Tampieri A, Kon E, Marcacci M, Sprio S, Sandri M (2017). Ribose-mediated crosslinking of collagen-hydroxyapatite hybrid scaffolds for bone tissue regeneration using biomimetic strategies. *Mater Sci Eng C*, 77: 594-605. doi: 10.1016/j.msec.2017.03.255. PMID: 28532070. **IF: 7.328**
68. Montesi M, Panseri S, Dapporto M, Tampieri A, Sprio S. (2017) Sr-substituted bone cements direct mesenchymal stem cells, osteoblasts and osteoclast fate, *Plos One*, 12(2): e0172100. doi: 10.1371/journal.pone.0172100. PMID: 28196118. **IF: 3.24**
69. Shankar KG, Gostynska N, Montesi M, Panseri S, Sprio S, Kon E, Marcacci M, Tampieri A, Sandri M. (2017) Investigation of different cross-linking approaches on 3D gelatin scaffold for tissue engineering application: a comparative analysis. *Int J Biol Macromol* 95, 1199-1209. doi: 10.1016/j.ijbiomac.2016.11.010. PMID: 27836656. **IF: 6.953**
70. Neri, G, Micale, N, Scala, A, Fazio, E, Mazzaglia, A, Mineo, PG, Montesi, M, Panseri, S, Tampieri, A, Grassi, G. (2017) Silibinin-conjugated graphene nanoplatfom: Synthesis, characterization and biological evaluation. *Flatchem* 1: 34-41. doi: 10.1016/j.flatc.2016.10.002. **IF: 5.227**
71. Kroeger R, Chatzipanagis K, Baumann C, Sandri M, Sprio S, Tampieri A. (2016) In situ mechanical and molecular investigations of collagen-apatite biomimetic composites combining Raman spectroscopy and stress-strain analysis. *Acta Biomater* 46: 278-285. doi: 10.1016/j.actbio.2016.09.028. PMID: 27667019. **IF: 8.947**
72. Campodoni E, Adamiano A, Dozio SM, Panseri S, Montesi M, Sprio S, Tampieri A, Sandri M. (2016) Development of innovative hybrid and intrinsically magnetic nanobeads as a drug delivery system. *Nanomedicine* 11(16): 2119-2130. doi: 10.2217/nnm-2016-0101. PMID: 27463861. **IF: 5.307**
73. Konstantinos Chatzipanagis, Michele Iafisco, Teresa Roncal-Herrero, Matthew Bilton, Anna Tampieri, Roland Kröger, José Manuel Delgado-López. Crystallization of citrate-stabilized amorphous calcium phosphate to nanocrystalline apatite: a surface-mediated transformation. (2016) *CrystEngComm*, 18 (18), 3170-3. doi: 10.1039/C6CE00521G **IF: 3.545**

74. Vittoria Di Mauro, Michele Iafisco, Nicolò Salvarani, Marco Vacchiano, Pierluigi Carullo, Gloria Belén Ramírez-Rodríguez, Tatiana Patrício, Anna Tampieri, Michele Miragoli, Daniele Catalucci. (2016) Bioinspired negatively charged calcium phosphate nanocarriers for cardiac delivery of microRNAs. **Nanomedicine**, 11(8), 891-906. doi: 10.2217/nnm.16.26 PMID: 26979495. **IF: 5.307**
75. Ramírez-Rodríguez GB, Delgado-López JM, Iafisco M, Sandri M, Sprio S, Tampieri A. (2016) Biomimetic mineralization of recombinant collagen type I derived protein to obtain hybrid matrices for bone regeneration. **J Struct Biol**. 196(2) 138-146. doi: 10.1016/j.jsb.2016.06.025. PMID: 27374321. **IF: 2.867**
76. Sprio S, Fricia M, Maddalena G, Nataloni A, Tampieri A. (2016) Osteointegration in cranial bone reconstruction: a goal to achieve. **J Appl Biomater Funct Mater**. DOI: 10.5301/jabfm.5000293. PMID: 27311430. **IF: 2.604**
77. Sprio S, Dapporto M, Montesi M, Panseri S, Lattanzi W, Pola E, Logroscino G, Tampieri A. (2016) Novel osteointegrative Sr-substituted apatitic cements enriched with alginate. **Materials** 9: 763-780. doi:10.3390/ma9090763. PMID: 28773884. **IF: 3.623**
78. Tampieri, A, Bigoni, D, Zannini, P. Cermodel 2015: Modelling and Simulation Meet Innovation in Ceramics Technology, July 1-3, 2015, Trento, Italy. *J Eu Ceram Soc* 36(9): 2157-2157. Doi: 10.1016/j.jeurceramsoc.2016.02.034 **IF: 5.302**
79. Silvia Minardi, Bruna Corradetti, Francesca Taraballi, Monica Sandri, Jonathan O Martinez, Sebastian T Powell, Anna Tampieri, Bradley K Weiner, Ennio Tasciotti. Biomimetic Concealing of PLGA Microspheres in a 3D Scaffold to Prevent Macrophage Uptake. **Small** (2016) 12(11):1479-88. doi: 10.1002/smll.201503484. **IF: 13.281**
80. Sandri M, Filardo G, Kon E, Panseri S, Montesi M, Iafisco M, Savini E, Sprio S, Cunha C, Giavaresi G, Veronesi F, Fini M, Salvatore L, Sannino A, Marcacci M, Tampieri A. (2016) Fabrication and pilot in vivo study of a Collagen-BDDGE-elastin core-shell scaffold for tendon regeneration. **Front Bioeng Biotech** 4: 52. doi: 10.3389/fbioe.2016.00052. PMID: 27446909. **IF: 5.89**
81. Dapporto M, Sprio S, Fabbi C, Figallo E., Tampieri A. A novel route for the synthesis of macroporous ceramics for bone regeneration. **J Eu Cer Soc** (2016), 36: 2383-2388. DOI: 10.1016/j.jeurceramsoc.2015.10.020. **IF: 5.302**
82. Sprio S, Sandri M, Iafisco M, Panseri S, Adamiano A, Montesi M, Campodoni E, Tampieri A. Bio-inspired assembling/mineralization process as a flexible approach to develop new smart scaffolds for the regeneration of complex anatomical regions. **J Eu Cer Soc** (2016), 36(12): 2857–2867. DOI: 10.1016/j.jeurceramsoc.2016.01.005. **IF: 5.302**
83. Panseri, S, Montesi, M, Dozio, SM, Savini, E, Tampieri, A, Sandri, M. (2017) Biomimetic Scaffold with Aligned Microporosity Designed for Dentin Regeneration. *Front Bioeng Biotechn* 4: 48. Doi: 10.3389/fbioe.2016.00048 **IF: 5.89**
84. Iafisco M., Drouet C., Adamiano A., Pascaud P., Montesi M., Panseri S., Sarda S., Tampieri A. Superparamagnetic iron-doped nanocrystalline apatite as delivery system for doxorubicin. **J Mater Chem B**. (2016), 4, 57-70. doi: 10.1039/C5TB01524C. PMID: 32262809. **IF: 6.331**
85. Boanini E., Panseri S., Arroyo F., Montesi M., Rubini K., Tampieri A., Covarrubias C., Bigi A. Alendronate Functionalized Mesoporous Bioactive Glass Nanospheres. **Materials**. (2016), 9(3), 135. doi: 10.3390/ma9030135. PMID: 28773259. **IF: 3.623**
86. Russo A., Bianchi M., Sartori M., Parrilli A., Panseri S., Ortolani A., Sandri M., Boi M., Salter D.M., Maltarello M.C., Giavaresi G., Fini M., Dediu V., Tampieri A., Marcacci M. Magnetic forces and magnetized biomaterials provide dynamic flux information during bone regeneration. **J Mater Sci: Mater Med**. (2016) 27:51. doi: 10.1007/s10856-015-5659-0 . PMID: 26758898. **IF: 3.896**
87. Bianchi M., Gambardella A., Berni M., Panseri S., Montesi M., Lopomo L., Tampieri A., Marcacci M., Russo A. Surface morphology, tribological properties and in-vitro biocompatibility of nanostructured

- zirconia thin films. *J Mater Sci Mater Med.* (2016) 27(5): 96. Doi: 10.1007/s10856-016-5707-4. PMID: 27003838. **IF: 3.896**
88. Panseri S., Montesi M., Sandri M., Iafisco M., Adamiano A., Ghetti M., Cenacchi G., Tampieri A. Magnetic labelling of mesenchymal stem cells with iron-doped hydroxyapatite nanoparticles as tool for cell therapy. *J Biomed Nanotechnol.* (2016) 12(5):909-21. doi:10.1166/jbn.2016.2248. PMID: 27305814. **IF: 4.099**
89. Guarino, V, Veronesi, F, Marrese, M, Giavaresi, G, Ronca, A, Sandri, M, Tampieri, A, Fini, M, Ambrosio, L. Needle-like ion-doped hydroxyapatite crystals influence osteogenic properties of PCL composite scaffolds (2016). *Biomed Mater* 11(1): 015018. doi: 10.1088/1748-6041/11/1/015018. **IF: 3.715**
90. Veronesi F., Giavaresi G., Guarino V., Raucci M.G., Sandri M., Tampieri A., Ambrosio L., Fini M (2015). Bioactivity and bone healing properties of biomimetic porous composite scaffold: in vitro and in vivo studies. *Journal of Biomedical Materials Research - Part A.* doi: 10.1002/jbm.a.35433. PMID: 25689266. **IF: 4.396**
91. Montesi M, Panseri S, Iafisco M, Adamiano A, Tampieri A. Effect of hydroxyapatite nanocrystals functionalized with lactoferrin in osteogenic differentiation of mesenchymal stem cells. *J Biomed Mater Res A.* (2015) 103(1), 224-234 Mar 17. doi:10.1002/jbm.a.35170. PMID: 24639083. **IF:2.841**
92. Sakhno Y., Ivanchenko P., Iafisco M., Tampieri A., Martra G. A step toward control of the surface structure of biomimetic hydroxyapatite nanoparticles: Effect of carboxylates on the {010} P-rich/Ca-rich facets ratio. *Journal of Physical Chemistry C.* (2015), 119(11), 5928-5937. doi: 10.1021/jp510492m **IF:4.835**
93. Di Mauro, V, Salvarani, N, Iafisco, M, Rossi, S, Patricio, T, Ramirez, G, Tampieri, A, Catalucci, D, Miragoli, M (2015). Delivery micro-RNA into cardiac tissue by a novel calcium phosphate based nanocarrier (2015) *Vascul Pharmacol* 75: 63-64. doi: 10.1016/j.vph.2015.11.056. **IF: 5.773**
94. Minardi, S, Corradetti, B, Taraballi, F, Sandri, M, Van Eps, J, Cabrera, FJ, Weiner, BK, Tampieri, A, Tasciotti, E. (2015) Evaluation of the osteoinductive potential of a bio-inspired scaffold mimicking the osteogenic niche for bone augmentation. *Biomaterials* 62: 128-137. doi: 10.1016/j.biomaterials.2015.05.011. **IF: 12.479**
95. Russo, A, Panseri, S, Shelyakova, T, Parrilli, A, Sandri, M, Ortolani, A, Bianchi, M, Tampieri, A, Dediu, V, Santin, M. Critical Long Bone Defect Treated by Magnetic Scaffolds Fixed by Permanent Magnets and Vascular Endothelial Growth Factor Injection. *Tissue Eng Part A* 21: S17-S17, Supplement 1. **IF: 3.508**
96. Patricio, TMF, Sprio, S, Sandri, M, Montesi, M, Panseri, S, Tampieri, A (2015). Hybrid Superparamagnetic Collagen-like Peptide Microparticles applied on Bone Tissue Regeneration. *Tissue Eng Part A* 21: S152-S152, Supplement 1. **IF: 3.508**
97. Minardi, S, Corradetti, B, Taraballi, F, Van Eps, J, Cabrera, F, Tampieri, A, Weiner, B, Tasciotti, E (2015). Mimicking the Human Trabecular Bone Niche to Promote Spinal Fusion. *Tissue Eng Part A* 21: S193-S193, Supplement 1. **IF: 3.508**
98. Gostynska, N, Krishnakumar, G, Kon, E, Sandri, M, Sprio, S, Panseri, S, Montesi, M, Marcacci, M, Tampieri, A. Hydrophilic Crosslinking Strategies of Gelatin Scaffolds for Tissue Engineering Application. *Tissue Eng Part A* 21: S245-S245, Supplement 1. **IF: 3.508**
99. Ramirez-Rodriguez, GB, Delgado-Lopez, JM, Montesi, M, Panseri, S, Sandri, M, Sprio, S, Tampieri, A. Nanoscale Design of Bone Scaffolds Through Biomineralization Process Modulating Cell Behavior. *Tissue Eng Part A* 21: S274-S274, Supplement 1. **IF: 3.508**
100. Montesi, M, Panseri, S, Iafisco, M, Adamiano, A, Tampieri, A. (2015). Coupling Hydroxyapatite Nanocrystals with Lactoferrin as a Promising Strategy to Fine Regulate Bone Homeostasis. *Plos One* 10(7): e0132633. Doi: 10.1371/journal.pone.0132633. **IF: 3.24**

101. Bosco R., Iafisco M., Tampieri A., Jansen J., Leeuwenburgh S., van den Beucken J. Hydroxyapatite nanocrystals functionalized with alendronate as bioactive components for bone implant coatings to decrease osteoclastic activity. *Applied Surface Science*. (2015), 328, 516-524. doi: 10.1016/j.apsusc.2014.12.072. **IF: 2.469**
102. Iafisco M, Ramírez-Rodríguez G B, Sakhno Y, Tampieri A, Martra G, Gómez-Morales J, Delgado-López J M (2015). The growth mechanism of apatite nanocrystals assisted by citrate: Relevance to bone biomineralization. *CrystEngComm*. 17 (3) pp:507-511. doi: 10.1039/C4CE01415D **IF: 3.545**
103. De Santis R, Russo A, Gloria A, D'Amora U, Russo T, Panseri S, Sandri M, Tampieri A, Marcacci M, Dediu VA, Wilde CJ, Ambrosio L. Towards the design of 3D fiber-deposited poly(ϵ -caprolactone)/iron-doped hydroxyapatite nanocomposite magnetic scaffolds for bone regeneration. *J Biomed Nanotechnol*. (2015), 11(7), 1236-46. doi: 10.1166/jbn.2015.2065. PMID: 26307846. **IF: 4.099**
104. Sandhofer, B, Meckel, M, Delgado-Lopez, JM, Patricio, T, Tampieri, A, Rosch, F, Iafisco, M. (2015) Synthesis and Preliminary in Vivo Evaluation of Well-Dispersed Biomimetic Nanocrystalline Apatites Labeled with Positron Emission Tomographic Imaging Agents. *ACS Appl Mater Interf* 7(19): 10623-10633. Doi: 10.1021/acsami.5b02624. **IF: 9.229**
105. Bianchi M, Boi M, Sartori M, Giavaresi G, Lopomo N, Fini M, Dediu A, Tampieri A, Marcacci M, Russo A. Nanomechanical mapping of bone tissue regenerated by magnetic scaffolds *Journal of Materials Science: Materials in Medicine* (2015), 26(1), 1-9. doi: 10.1007/s10856-014-5363-5 PMID: 25578711. **IF: 3.896**
106. Stefani R, Zanotti B, Nataloni A, Martinetti R, Scafuto M, Colasurdo M, Tampieri A. The efficacy of custom-made porous hydroxyapatite prostheses for cranioplasty: evaluation of postmarketing data on 2697 patients. *J Appl Biomater Funct Mater*. (2014) Dec 19:0. doi: 10.5301/jabfm.5000211. PMID: 25589160. **IF: 2.604**
107. Banobre-Lopez M., Pineiro-Redondo Y., Sandri M., Tampieri A., De Santis R., Dediu A.V., Rivas J. Hyperthermia induced in magnetic scaffolds for bone tissue engineering. *Special INTERMAG issue of IEEE Transactions on Magnetics*. (2014), 50(11), 1-7. doi: 10.1109/TMAG.2014.2327245 **IF: 1.7**
108. Pistone A, Iannazzo D, Panseri S, Montesi M, Tampieri A, Galvagno S. Hydroxyapatite-magnetite-MWCNT nanocomposite as biocompatible multifunctional drug delivery system for bone tissue engineering. *Nanotechnology* (2014), 25, 425701. doi: 10.1088/0957-4484/25/42/425701. PMID: 25265364 **IF: 3.874**
109. Russo L, Taraballi F, Lupo C, Poveda A, Jiménez-Barbero J, Sandri M, Tampieri A, Nicotra F, Cipolla L. Carbonate hydroxyapatite functionalisation: a comparative study toward (bio)molecules fixation. *Interface Focus*, (2014), 4(1)20130040. doi: 10.1098/rsfs.2013.0040 PMID: 24501671 **IF: 3.906**
110. Filardo G., Kon E., Tampieri A., Cabezas-Rodríguez R., Di Martino A., Fini M., Giavaresi G., Lelli M., Martínez-Fernández J., Martini L., Ramírez-Rico J., Salamanna F., Sandri M., Sprio S. and Marcacci M. New bio-ceramization process applied to vegetable hierarchical structures for bone regeneration: an experimental model in sheep. *Tissue Eng. Part A* (2014), 20(3-4), 763-773. Doi: 10.1089/ten.tea.2013.0108. PMID: 24099033. **IF: 3.508**
111. Iafisco M, Ruffini A, Adamiano A., Sprio S. and Tampieri A. Biomimetic magnesium-carbonate-apatite nanocrystals endowed with strontium ions as anti-osteoporotic trigger. *Mater Sci Eng B* (2013), 35(1), 212-219. doi: 10.1016/j.msec.2013.11.009 PMID: 24411371 **IF: 7.328**
112. Ramírez-Rodríguez GB, Iafisco M, Tampieri A, Gómez-Morales J, Delgado-López JM. pH-responsive collagen fibrillogenesis in confined droplets induced by vapour diffusion. *Journal of Materials Science: Materials in Medicine* (2014), 25(10), 2305-2312. doi: 10.1007/s10856-014-5189-1. PMID: 24652593. **IF: 3.896**
113. Bassani P, Panseri S, Ruffini A, Montesi M, Ghetti M, Zanotti C, Tampieri A, Tuissi A. Porous NiTi shape memory alloys produced by SHS: microstructure and biocompatibility in comparison with Ti2Ni and

- TiNi₃. *J Mater Sci Mater Med* (2014), 25(10), 2277-85. Doi: 10.1007/s10856-014-5253-x PMID: 24928669. **IF: 3.896**
114. Guarino V, Scaglione S, Sandri M, Alvarez-Perez MA, Tampieri A, Quarto R, Ambrosio L. MgCHA particles dispersion in porous PCL scaffolds: In vitro mineralization and in vivo bone formation. *Journal of Tissue Engineering and Regenerative Medicine* (2014), 8(4), 291-303. doi: 10.1002/term.1521 PMID: 22730225. **IF: 3.963**
115. Minardi S, Sandri M, Martinez JO, Yazdi IK, Liu X, Ferrari M, Weiner BK, Tampieri A, Tasciotti E. Multiscale Patterning of a Biomimetic Scaffold Integrated with Composite Microspheres *Small* (2014), 10(19) 3943-3953 doi: 10.1002/smll.201401211. PMID: 24867543 **IF: 13.281**
116. Tampieri A, Iafisco M, Sandri M, Panseri S, Cunha C, Sprio S, Savini E; Uhlarz M, Herrmannsdörfer T. Magnetic bio-inspired hybrid nanostructured collagen-hydroxyapatite scaffolds supporting cell proliferation and tuning regenerative process. *ACS Appl Mater Interf.* (2014), 6(18), 15697-15707. doi: 10.1021/am5050967. PMID: 25188781. **IF: 9.229**
117. Bianchi M, Urquia Edreira E, Wolke JGC, Birgani ZT, Habibovic P, Jansen JA, Tampieri A, Marcacci M, Leeuwenburgh SCG, Van Den Beucken JJJP. Substrate geometry directs the in vitro mineralization of calcium phosphate ceramics. *Acta Biomaterialia* (2014), 10(2), 661-669. doi: 10.1016/j.actbio.2013.10.026. PMID: 24184857. **IF: 8.947**
118. Zamparelli A., Zini N., Cattini L., Spaletta G., Dallatana D., Bassi E., Barbaro F., Iafisco M., Mosca S., Parrilli A., Fini M., Giardino R., Sandri M., Sprio S., Tampieri A., Maraldi N.M., Toni R. Growth on poly(L-lactic acid) porous scaffold preserves CD73 and CD90 immunophenotype markers of rat bone marrow mesenchymal stromal cells. *Journal of Materials Science: Materials in Medicine* (2014), 25(10), 2421-2436. doi: 10.1007/s10856-014-5259-4 PMID: 24997163. **IF: 3.896**
119. Iafisco M., Delgado-Lopez J. M., Varoni E. M., Tampieri A., Rimondini L., Gomez-Morales J. and Prat M. Cell Surface Receptor Targeted Biomimetic Apatite Nanocrystals for Cancer Therapy. *Small* (2013), 9(22), 3834-3844. doi: 10.1002/smll.201202843. PMID: 23606568. **IF: 13.281**
120. Ciocca L, Donati D, Ragazzini S, Dozza B, Rossi F, Fantini M, Spadari A, Romagnoli N, Landi E, Tampieri A, Piattelli A, Iezzi G, Scotti R. Mesenchymal stem cells and platelet gel improve bone deposition within CAD-CAM custom-made ceramic HA scaffolds for condyle substitution. *BioMed Research International* (2013), 2013, 549762. doi: 10.1155/2013/549762_PMIID: 24073409. **IF: 3.411**
121. Panseri S., Russo A., Sartori G., Giavaresi G., Sandri M., Fini M., Maltarello M.C., Shelyakova T., Ortolani A. Visani A., Dediu V., Tampieri A. and Marcacci M. Modifying bone scaffold architecture in vivo with permanent magnets to facilitate fixation of magnetic scaffolds. *Bone* (2013), 56(2), 432-439. doi: 10.1016/j.bone.2013.07.015. PMID: 23876980. **IF: 4.398**
122. Ciocca L, Donati D, Fantini M, Landi E, Piattelli A, Iezzi G, Tampieri A, Spadari A, Romagnoli N, Scotti R. CAD-CAM-generated hydroxyapatite scaffold to replace the mandibular condyle in sheep: Preliminary results. *Journal of Biomaterials Applications* (2013), 28(2), 207-218 doi: 10.1177/0885328212443296 PMID: 22492196. **IF: 2.646**
123. Iafisco M., Sandri M., Panseri S., Delgado-López J.M., Gómez-Morales J. and Tampieri A. Magnetic Bioactive and Biodegradable Hollow Fe-Doped Hydroxyapatite Coated Poly(L-lactic) Acid Microspheres. *Chemistry of Materials* (2013), 25(13), 2610-2617. doi: 10.1021/cm4007298. **IF: 9.811**
124. Rodríguez-Ruiz I., Delgado-López J. M., Durán-Olivencia M. A., Iafisco M., Tampieri A., Colangelo D., Prat M. and Gómez-Morales J. pH-Responsive Delivery of Doxorubicin from Citrate-Apatite Nanocrystals with Tailored Carbonate Content. *Langmuir* (2013), 29, 8213-8221. doi: 10.1039/c5tb01524c PMID: 32262809. **IF: 3.882**
125. Cunha C., Sprio S., Panseri S., Dapporto M., Marcacci M., Tampieri A. High biocompatibility and improved osteogenic potential in novel macroporous beta-tricalcium phosphate/titania scaffolds

- designed for regeneration of load-bearing bones. *J Biomed Mater Res A* (2013), 101A(6), 1612. doi: 10.1002/jbm.a.34479. PMID: 23172612. **IF: 4.396.**
126. Gloria A, Russo T, D'Amora U, Zeppetelli S, D'Alessandro T, Sandri M, Banobre-Lopez M, Pineiro-Redondo Y, Uhlarz M, Tampieri A, Rivas J, Herrmannsdorfer T, Dediu VA, Ambrosio L, De Santis R. Magnetic poly(1-caprolactone)/iron-doped hydroxyapatite nanocomposite substrates for advanced bone tissue engineering. *J. R. Soc. Interface* (2013), 10(80), 20120833. doi: 10.1098/rsif.2012.0833 PMID: 23303218. **IF: 4.118**
 127. Ruffini A., Sprio S., Tampieri A. Study of the hydrothermal transformation of wood-derived calcium carbonate into 3D hierarchically organized hydroxyapatite. *Chemical Engineering Journal* (2013), 217, 150–158. doi: 10.1016/j.cej.2012.11.107 **IF: 13.273**
 128. Sprio S., Guicciardi S., Dapporto M., Melandri C., Tampieri A. Synthesis and mechanical behavior of b-tricalcium phosphate/titania composites addressed to regeneration of long bone segments. *Journal of the Mechanical behavior of Biomedical Materials* (2012), 17, 1–10. doi: 10.1016/j.jmbbm.2012.07.013 PMID: 23122887. **IF: 3.902**
 129. Iafisco M, Palazzo B, Ito T, Otsuka M, Senna M, Delgado Lopez J M, Gomez Morales J, Tampieri A, Prat M, Rimondini L. Preparation of core-shell poly(L-lactic) acid-nanocrystalline apatite hollow microspheres for bone repairing applications. *Journal of Materials Science: Materials in Medicine* (2012), 23(11), 2659-2669. doi: 10.1007/s10856-012-4732-1 PMID: 22864504. **IF: 3.896**
 130. Delgado-López JM, Iafisco M, Rodríguez I, Tampieri A, Prat M, Gómez-Morales J. Crystallization of bioinspired citrate-functionalized nanoapatite with tailored carbonate content. *Acta Biomaterialia* (2012), 8(9), 3491-3499. doi: 10.1016/j.actbio.2012.04.046. PMID: 22579712. **IF: 8.947**
 131. Panseri S, Russo A, Giavaresi G, Sartori M, Veronesi F, Fini M, Salter DM, Ortolani A, Strazzari A, Visani A, Dionigi C, Bock N, Sandri M, Tampieri A, Marcacci M. Innovative magnetic scaffolds for orthopedic tissue engineering. *Journal of Biomedical Materials Research A* (2012), 100(9), 2278-2286 DOI: 10.1002/jbm.a.34167 PMID: 22499413. **IF: 4.396**
 132. Sprio S, Sandri M, Panseri S, Cunha C, Tampieri A. Hybrid scaffolds for tissue regeneration: chemotaxis and physical confinement as sources of biomimesis. *Journal of Nanomaterials* (2012), 2012 ID 418281, 10 pages. doi: 10.1155/2012/418281. **IF: 2.986**
 133. Panseri S, Cunha C, D'Alessandro T, Sandri M, Giavaresi G, Marcacci M, Hung CT, Tampieri A. Intrinsically superparamagnetic Fe-Hydroxyapatite nanoparticles positively influence osteoblast-like cell behaviour. *Journal of Nanobiotechnology* (2012), 10:32. doi:10.1186/1477-3155-10-32. doi: 10.1186/1477-3155-10-32. PMID: 22828388 **IF: 10.435**
 134. Panseri S, Cunha C, D'Alessandro T, Sandri M, Russo A, Giavaresi G, Marcacci M, Hung CT, Tampieri A. Magnetic Hydroxyapatite Bone Substitutes to Enhance Tissue Regeneration: Evaluation in vitro using Osteoblast-like Cells and in vivo in a Bone Defect. *PLoS One* (2012), 7(6), e38710. DOI: 10.1371/journal.pone.0038710 PMID: 22685602. **IF: 3.24**
 135. Tampieri A, Chevalier J, Enqvist H, Ferreira J. Symposium on Bioceramics. *Journal of the European Ceramic Society* (2012), 32(11), 2661. **IF: 5.302**
 136. Cunha C, Panseri S, Sandri M, Marcacci M, Tampieri A. Inspired by nature: Bio-inspired artificial scaffolds and the quest to replicate biology. *Materials Today* (2012), 15(5): 223. doi: 10.1016/S1369-7021(12)70098-6. **IF: 31.041**
 137. Cunha C., Panseri S., Dapporto M., Sprio S. and Tampieri A. Analysis of osteoblast viability and activity on ceramic beta TCP/TiO₂ biomimetic scaffolds. *J Tiss Eng Regen Med* (2012), 6 S1, 15-15. doi: 10.1002/term.1586. PMID: 22941753. **IF: 3.963**
 138. Scaglione S., Giannoni P., Bianchini P., Sandri M., Marotta R., Firpo G., Valbusa U., Tampieri A., Diaspro A., Bianco P. and Quarto R. Order versus Disorder: in vivo bone formation within osteoconductive

scaffolds. *Scientific Reports (Nature Publishing Group)* (2012), 274 | doi: 10.1038/srep00274 PMID: 22355786. **IF: 4.379**

139. Babiker H., Ding M., Sandri M., Tampieri A., Overgaard S. The effects of bone marrow aspirate, bone graft and collagen composites on fixation of titanium implants. *Journal of Biomedical Materials Research: Part B - Applied Biomaterials*. (2012), 100 B(3), 759-766. doi: 10.1002/jbm.b.32509. PMID: 22331824. **IF: 3.368**
140. Tampieri A, D'Alessandro T, Sandri M, Sprio S, Landi E, Bertinetti L, Panseri S, Pepponi G, Goettlicher J, Bañobre-López M and Rivas J. Intrinsic magnetism and hyperthermia in bioactive Fe-doped hydroxyapatite. *Acta Biomaterialia* (2012), 8(2), 843-51. Doi: [10.1016/j.actbio.2011.09.032](https://doi.org/10.1016/j.actbio.2011.09.032) PMID: 22005331 **IF: 8.947**
141. Scaglione S, Guarino V, Sandri M, Tampieri A, Ambrosio L and Quarto R. In vivo lamellar bone formation in fibre coated MgCHA-PCL-composite scaffolds. *Journal of Material Science. Materials in medicine* (2012), 23, 117-128. doi: 10.1007/s10856-011-4489-y PMID: 22105223. **IF: 3.896**
142. Incerti Parenti S, Guicciardi S, Melandri C, Sprio S, Lafratta E, Tampieri A and Bonetti GA. Effect of soft drinks on the physical and chemical features of nickel-titanium-based orthodontic wires. *Acta Odontologica Scandinavica* (2011), 70(1), 49-55 doi: 10.3109/00016357.2011.575083. PMID: 21492062. **IF: 2.331**
143. Sopyan I, Ramesh S, Nawawi NA, Tampieri A, Sprio S. Effects of manganese doping on properties of sol-gel derived biphasic calcium phosphate ceramics. *Ceramics International* (2011), 37, 3703–3715. doi:10.1016/j.ceramint.2011.06.033. **IF: 4.527**
144. Toni R, Tampieri A, Zini N, Strusi V, Sandri M, Dallatana D, Spaletta G, Bassoli E, Gatto A, Ferrari A and Martin I. Ex situ bioengineering of bioartificial endocrine glands: A new frontier in regenerative medicine of soft tissue organs. *Annals of Anatomy*. (2011), 193, 381-394. doi: 10.1016/j.aanat.2011.06.004 PMID: 21803554. **IF: 2.698**
145. Tampieri A., Sprio S., Sandri M. and Valentini F. Mimicking natural bio-mineralization processes: A new tool for osteochondral scaffold development. *Trends in Biotechnology* (2011), 29, 526-535. doi: . PMID: 21645938. **IF: 19.536**
146. De Santis R., Gloria A., Russo T., D'Amora U., Zeppetelli S., Tampieri A., Herrmannsdörfer T., Ambrosio, L. A route toward the development of 3D magnetic scaffolds with tailored mechanical and morphological properties for hard tissue regeneration: Preliminary study: A basic approach toward the design of 3D rapid prototyped magnetic scaffolds for hard-tissue regeneration is presented and validated in this paper. *Virtual and Physical Prototyping* (2011), 6(4), 189-195. doi: 10.1080/17452759.2011.631324. **IF: 8.092**
147. Russo L., Landi E., Tampieri A., Natalello A., Doglia S.M., Gabrielli L., Cipolla L. and F. Nicotra. Sugar-decorated hydroxyapatite: an inorganic material bioactivated with carbohydrates. *Carbohydrate Research* (2011), 346(12), 1564–1568. doi: 10.1016/j.carres.2011.04.044_ PMID: 21600566. **IF: 2.104**
148. Bañobre-López M., Piñeiro-Redondo Y., De Santis R., Gloria A., Ambrosio L., Tampieri A., Dediu V. and Rivas J. *Poly(caprolactone) based magnetic scaffolds for bone tissue engineering*. *Journal of Applied Physics* (2011), 109(7), art. no. 07B313 doi:10.1063/1.3561149. **IF: 2.546**
149. Meirer F., Pemmer B., Pepponi G., Zöger N., Wobrauschek P., Sprio S., Tampieri A., Goettlicher J., Steininger R., Mangold S., Roschger P., Berzlanovich A.M., Hofsteatter J.G. and Strelci C. Assessment of chemical species of lead accumulated in tidemarks of human articular cartilage by X-ray absorption near edge structure analysis. *Journal of Synchrotron Radiation* (2011), 18, 238-244. doi: 10.1107/S0909049510052040. PMID: 21335911. **IF: 2.616**
150. Tampieri A., Landi E., Valentini F., Sandri M., D'Alessandro T., Dediu V. and Marcacci M. A conceptually new type of bio-hybrid scaffold for bone regeneration. *Nanotechnology*. (2010), 22, 105-104. doi: 10.1088/0957-4484/22/1/015104. PMID: 21135464. **IF: 3.874**

151. Pola E., Nasto L.A., Tampieri A., Lattanzi W., Di Giacomo G., Colangelo D., Ciriello V., Pagano E., Spinelli S., Robbins P.D. and Logroscino G. *Bioplasty for vertebral fractures: preliminary results of a pre-clinical study on goats using autologous modified skin fibroblasts. International journal of immunopathology and pharmacology* (2011), 24 (1 Suppl 2), 139-42. doi: 10.1177/03946320110241S226 PMID: 21669153 **IF: 3.219**
152. Sprio S., Ruffini A., Valentini F., D'Alessandro T., Sandri M., Panseri S. and Tampieri A. Biomimesis and biomorphic transformations: New concepts applied to bone regeneration. *J. of Biotechnology* (2011), 156(4), 347-355. doi: 10.1016/j.jbiotec.2010.08.082 **IF: 3.307**
153. Sandri M., Tampieri A., Salvatore L., Sannino A., Ghiron J. H. L. and Condorelli G. *Collagen based scaffold for biomedical applications. Journal of Biotechnology* (2010), 150 Supplement: 1; S29-S29 doi:10.1016/j.jbiotec.2010.08.084. **IF: 3.307**
154. Sakhno Y, Bertinetti L, Martra G, Coluccia S, Tampieri A, Roveri N. Properties of amorphous and crystalline surfaces of nano-hydroxyapatites. *Functional Materials* (2010), 17(1), 28-32 **IF:4.126**
155. Landi E., Valentini F. and Tampieri A. Freeze casting of biomimetic apatites for scaffolds development. *Journal of applied biomaterials and biomechanics* (2010), 8, 119. **IF: 0.544**
156. Sakhno Y., Bertinetti L., Iafisco M., Tampieri A., Roveri N. and Martra G. Surface hydration and cationic sites of nanohydroxyapatites with amorphous or crystalline surfaces: a comparative study. *J. Phys. Chem. C* 114 (39); (2010) 16640–16648. doi: 10.1021/jp105971s **IF: 4.52**
157. Landi E., Uggeri J., Sprio S., Tampieri A. and Guizzardi S. Human osteoblast behavior on as-synthesized SiO₄ and B-CO₃ co-substituted apatite. *J Biomed Mater Res A* (2010), 94, 59-70. doi: 10.1002/jbm.a.32671 PMID: 20091710. **IF: 3.04**
158. Bock N., Riminucci A., Dionigi C., Russo A., Tampieri A., Landi E., Goranov V., Marcacci M. and Dediu V. A novel route in bone tissue engineering: Magnetic biomimetic scaffolds. *Acta Biomaterialia* (2009), 6(3), 786-796. doi: 10.1016/j.actbio.2009.09.017 PMID: 19788946. **IF: 4.82**
159. Tampieri A., Sprio S., Ruffini A., Lesci I.G. and Roveri N. From wood to bone: multi-step process to convert hierarchical structures into biomimetic hydroxyapatite scaffolds for bone tissue engineering. *Journal of Materials Chemistry* (2009), 19(28), 4973-4980. doi:10.1039/b900333a. **IF: 5.10**
160. Strelci C., Zoeger N., Meirer F., Pemmer B., Göttlicher J., Steininger R., Mangold S., Tampieri A., Sprio S., Pepponi G., Hofstaetter J.G., Klaushofer K. and Roschger P. Speciation of Pb in the tidemark of human articular cartilage. *Bone* (2009), 44, Supplement 2, S255. doi: 10.1016/j.bone.2009.03.433. **IF: 4.60**
161. Sprio S., Tampieri A., Celotti G., Landi E. Development of hydroxyapatite/calcium silicate composites addressed to the design of load-bearing bone scaffolds. *Journal of the Mechanical Behavior of Biomedical Materials*. (2009), 2, 147-155. doi: 10.1016/j.jmbbm.2008.05.006 PMID: 19627818. **IF: 3.372**
162. Bertinetti L., Ceschino R., Bollati D., Landi E., Tampieri A. and Martra G. Protein adsorption on nanohydroxyapatites: spectroscopic investigations at molecular level. *Key Engineering Materials*. (2009), 396-398, 77-80. **IF: 0.19**
163. Bertinetti L., Drouet C., Combes C., Rey C., Tampieri A., Coluccia S. and Martra G. Surface characteristics of nanocrystalline apatites: effect of Mg surface enrichment on morphology, surface hydration species and cationic environments. *Langmuir* (2009), 25(10), 5647-54. **IF: 4.27**
164. Monticelli C., Zucchi F. and Tampieri A. Triboelectrochemical behaviour of a Si₃N₄-TiN ceramic composite and a titanium alloy commonly used in biomedical applications. *Wear* (2009), 266(1-2), 327-336. **IF: 1.63**
165. Tampieri A., Sandri M., Landi E., Sprio S., Valentini F. and Boskey A.L. Synthetic bio-mineralization yielding HA / Collagen hybrid composite. *Adv Appl Ceram* (2008), 107(5), 298-302. **IF:1.107**

166. Valentini, F., Buldini, P.L., Landi, E., Tampieri, A., Tonelli, D. HPLC determination of tobramycin in a simulated body fluid. *Microchemical Journal* (2008), 90 (2), 113-117. **IF: 2.48**
167. Landi E., Valentini F. and Tampieri A. Porous hydroxyapatite/gelatine scaffolds with ice-designed channel-like porosity for biomedical applications. *Acta Biomaterialia* (2008), 4(6), 1620-1626. **IF: 4.82**
168. Sprio S., Rinaldi D., Celotti G., Pialorsi E. and Tampieri A. Structure and superconducting properties of pure and variously doped bulk MgB₂ obtained by uniaxial and isostatic hot pressing. *Journal of Materials Science: Materials in Electronics* (2008), 19(10), 1012-1022. **IF: 1.054**
169. Tampieri A., Sandri M., Landi E., Pressato D., Francioli S., Quarto R. and Martin I. Design of graded biomimetic osteochondral composite scaffolds. *Biomaterials* (2008), 29(26), 3539-3546. doi: 10.1016/j.biomaterials.2008.05.008 PMID: 18538387. **IF: 7.88**
170. Lattanzi W., Parrilla C., Fetoni A., Logroscino G., Straface G., Pecorini G., Stigliano E., Tampieri A., Bedini R., Pecci R., Michetti F., Gambotto A., Robbins P.D. and Pola E. Ex vivo-transduced autologous skin fibroblasts expressing human Lim mineralization protein-3 efficiently form new bone in animal models. *Gene Therapy* (2008), 15(19), 1330-1343. doi: 10.1038/gt.2008.116 PMID: 18633445. **IF: 4.54**
171. Landi E., Sprio S., Sandri M., Celotti G. and Tampieri A. Development of Sr and CO₃ co-substituted hydroxyapatites for biomedical applications. *Acta Biomaterialia* (2008), 4(3), 656-663. Doi: 10.1016/j.actbio.2007.10.010 PMID: 18063430. **IF: 4.82**
172. Sprio S., Tampieri A., Landi E., Sandri M., Martorana S., Celotti G. and Logroscino G. Physico-chemical properties and solubility behaviour of multi-substituted hydroxyapatite powders containing silicon. *Materials Science and Engineering C* (2008), 28(1), 179-187. **IF: 2.18**
173. Landi E., Logroscino G., Proietti L., Tampieri A., Sandri M. and Sprio S. Biomimetic Mg-substituted hydroxyapatite: From synthesis to in vivo behaviour. *Journal of Materials Science: Materials in Medicine* (2008), 19(1), 239-247. **IF: 2.32**
174. Landi, E., Sprio, S., Sandri, M., Tampieri, A., Bertinetti, L., Martra, G. Development of multisubstituted apatites for bone reconstruction. *Key Engineering Materials* (2008), 361-363 I, 171-174. **IF: 0.19**
175. Ruffini, A., Sprio, S., Tampieri, A. Towards hierarchically organized scaffolds for bone substitutes from wood structures. *Key Engineering Materials* (2008), 361-363 II, 959-962. **IF: 0.19**
176. Tampieri, A., Sandri, M., Landi, E., Pressato, D. Biomimetic hybrid composites to repair osteochondral lesions. *Key Engineering Materials* (2008), 361-363 II, 927-930. **IF: 0.19**
177. Sandri, M., Tampieri, A., Bertinetti, L., Boskey, A. In vitro bio-mineralization process. *Key Engineering Materials* (2008), 361-363 I, 543-546. **IF: 0.19**
178. Bertinetti, L., Tampieri, A., Landi, E., Bolis, V., Busco, C., Martra, G. Surface structure, hydration and cationic sites of nanohydroxyapatite. *Key Engineering Materials* (2008), 361-363 I, 87-90. **IF: 0.19**
179. Landi E, Martorana S, Tampieri A, Guicciardi S, Melandri C. Carbonated-apatite/gelatine porous scaffolds for bone replacement. *Key Engineering Materials* (2008), 361-363 I, 547-550. **IF: 0.19**
180. Sprio S, Tampieri A, Landi E, Celotti G and Dalle Fabbriche D. Bioactive hydroxyapatite/calcium silicate composites obtained by fast hot pressing: Structure and flexural strength. *Key Engineering Materials* (2008), 361-363 I, 423-426. **IF: 0.19**
181. Panero, S., Serra Moreno, J., Aleandri, P., Landi, E., Sprio, S., Tampieri, A. Porous hydroxyapatite surface-modified by polypyrrole-heparin conducting polymer. *Key Engineering Materials* (2008), 361-363 I, 443-446. **IF: 0.19**
182. Landi E., Tampieri A., Celotti G., Sprio S., Sandri M. and Logroscino G. Sr-substituted hydroxyapatites for osteoporotic bone replacement. *Acta Biomaterialia* (2007), 3(6), 961-969. doi: 10.1016/j.actbio.2007.05.006 PMID: 17618844 **IF: 4.82**

183. Bertinetti L., Tampieri A., Landi E., Ducati C., Midgley P.A., Coluccia S. and Martra G. Surface structure, hydration, and cationic sites of nanohydroxyapatite: UHR-TEM, IR, and microgravimetric studies. *Journal of Physical Chemistry C* (2007), 111(10), 4027-4035. **IF: 4.52**
184. Ruffini, A., Sprio, S., Tampieri, A. Wood structures with organized morphology for bone substitutes *Journal of Applied Biomaterials and Biomechanics* (2007), 5(3), 207. **IF: 0.944**
185. Sandri, M., Tampieri, A., Landi, E. New morphosynthetic processes for biomaterials development. *Journal of Applied Biomaterials and Biomechanics* (2007), 5(3), 208. **IF: 0.944**
186. Martorana, S., Tampieri, A., Landi, E., Celotti, G., Guicciardi, S., Melandri, C. Correlation between suspension rheological properties and mechanical properties of carbonated-apatite porous bioceramics. *Journal of Applied Biomaterials and Biomechanics* (2007), 5(3), 216. **IF: 0.944**
187. Sprio, S., Sandri, M., Landi, E., Tampieri, A. Synthesis and characterization of multi- substituted apatites and bio-hybrid composites containing silicon. *Journal of Applied Biomaterials and Biomechanics* (2007),5(3), 220. **IF: 0.944**
188. Celotti G., Tampieri A., Sprio S., Landi E., Bertinetti L., Martra G. and Ducati C. Crystallinity in apatites: How can a truly disordered fraction be distinguished from nanosize crystalline domains? *Journal of Materials Science: Materials in Medicine* 17 (11); (2006) 1079-1087. **IF: 2.32**
189. Landi E., Tampieri A., Mattioli-Belmonte M., Celotti G., Sandri M., Gigante A., Fava P. and Biagini G. Biomimetic Mg- and MgCO₃-substituted hydroxyapatites: synthesis characterization and in vitro behaviour. *Journal of the European Ceramic Society* (2006), 26(13), 2593-2601. **IF: 2.57**
190. Bertinetti L., Tampieri A., Landi E., Martra G. and Coluccia S. Punctual investigation of surface sites of HA and magnesium-HA. *Journal of the European Ceramic Society* (2006), 26(6), 987-991. **IF: 2.57**
191. Landi E., Tampieri A., Celotti G., Langenati R., Sandri M. and Sprio S. Nucleation of biomimetic apatite in synthetic body fluids: Dense and porous scaffold development. *Biomaterials* (2005), 26(16), 2835-2845. **IF: 7.88**
192. Tampieri A., Sandri M., Landi E., Celotti G., Roveri N., Mattioli-Belmonte M., Virgili L., Gabbanelli F. and Biagini G. HA/alginate hybrid composites prepared through bio-inspired nucleation. *Acta Biomaterialia* (2005), 1(3), 343-351. **IF: 4.82**
193. Landi, E., Tampieri, A., Celotti, G., Belmonte, M.M., Logroscino, G. Synthetic biomimetic nanostructured hydroxyapatite. *Key Engineering Materials* (2005), 284-286, 949-952. **IF: 0.19**
194. Sprio, S., Celotti, G., Landi, E., Tampieri, A. Activation of hydroxyapatite crystal growth on the surface of biomimetic synthetic apatites through electrical polarization *Key Engineering Materials* (2005), 284-286, 521-524. **IF: 0.19**
195. Palazzo B., Sidoti M.C., Roveri N., Tampieri A., Sandri M., Bertolazzi L., Galbusera F., Dubini G., Vena P. and Contro, R. Controlled drug delivery from porous hydroxyapatite grafts: An experimental and theoretical approach. *Materials Science and Engineering C* (2005), 25(2), 207-213. **IF: 1.812**
196. Sprio S., Pezzotti G., Celotti G. Landi E. and Tampieri A. Raman and cathodoluminescence spectroscopies of magnesium-substituted hydroxyapatite powders. *Journal of Materials Research* (2005), 20(4), 1009-1016. **IF: 1.743**
197. Tampieri A., Celotti G. and Landi E. From biomimetic apatites to biologically inspired composites. *Analytical and Bioanalytical Chemistry* (2005), 381(3), 568-576. **IF: 3.328**
198. Quadrani P., Pasini A. Mattioli-Belmonte M., Zannoni C., Tampieri A., Landi E., Giantomassi F., Natali D., Casali F., Biagini G. and Tomei-Minardi A. High-resolution 3D scaffold model for engineered tissue fabrication using a rapid prototyping technique. *Medical and Biological Engineering and Computing* (2005), 43, 196-99. **IF: 1.379**

199. Babini G.N. and Tampieri A. Towards biologically inspired materials. *British Ceramic Transactions* (2004), 103(3), 101-109. **IF: 0.708**
200. Landi E., Tampieri A., Celotti G., Vichi L. and Sandri M. Influence of synthesis and sintering parameters on the characteristics of carbonate apatite. *Biomaterials* (2004), 25(10), 1763-1770. **IF: 7.88**
201. Tampieri A., Celotti G., Sprio S., Caciuffo R. and Rinaldi D. Study of the sintering behaviour of MgB₂ superconductor during hot-pressing. *Physica C: Superconductivity and its Applications* (2004), 400(3-4), 97-104. **IF: 0.740**
202. Sprio, S., Tampieri, A., Celotti, G., Rinaldi, D. Densification behaviour of MgB₂ superconductor by hot-pressing. *Key Engineering Materials* (2004), 264-268 (II), 1201-1204. **IF: 0.19**
203. Tampieri, A., Celotti, G., Landi, E., Sandri, M. Magnesium doped hydroxyapatite: Synthesis and characterization. *Key Engineering Materials* (2004), 264-268 (III), 2051-2054. **IF: 0.19**
204. Tampieri, A., Celotti, G., Landi, E., Sandri, M., Roveri, N., Falini, G. Biologically inspired synthesis of nanocomposites for bone tissue regeneration. *Key Engineering Materials* (2004), 264-268 (III), 1937-1940. **IF: 0.19**
205. Celotti, G., Landi, E., Sandri, M., Tampieri, A. New method to prepare natural-like carbonate apatite for bone replacement. *Key Engineering Materials* (2004), 264-268 (III), 2071-2074. **IF: 0.19**
206. Bezzi G., Celotti G., Landi E., La Torretta T.M.G., Sopyan I. and Tampieri A. A novel sol-gel technique for hydroxyapatite preparation. *Mater Chem Phys* (2003), 78(3), 816-824. **IF: 1.799**
207. Tampieri A., Celotti G., Sprio S. and Rinaldi D. Effects of Cu and other metallic dopings on the superconducting properties of MgB₂. *International Journal of Modern Physics B* (2003), 17(4-6 I), 438-445. **IF: 0.558**
208. Tampieri A., Celotti G., Landi E., Sandri M., Roveri N. and Falini G. Biologically inspired synthesis of bone like composite: self-assembled collagen fibers/hydroxyapatite nanocrystals. In: *J. Biomed. Mater. Res.* (2003), 67A, 618-625 **IF: 3.04**
209. Landi E., Celotti G., Logroscino G. and Tampieri A. Carbonated hydroxyapatite as bone substitute. *J. Eur. Ceram. Soc.* (2003), 23, 2931-2937 **IF: 1.580**
210. Pretto M., Costa A.L., Landi E., Tampieri A. and Galassi C. Dispersing behavior of hydroxyapatite powders produced by wet-chemical synthesis. *Journal of the American Ceramic Society* (2003), 86(9), 1534-1539. **IF: 2.101**
211. Roveri N., Falini G., Sidotti M.C., Tampieri A., Landi E., Sandri M. and Parma B. Biologically inspired growth of hydroxyapatite nanocrystals inside self-assembled collagen fibers *Material Science & Engineering C* (2003), 23, 441-446. **IF: 1.812**
212. Tampieri A., Celotti G., Landi E., Montevecchi M., Roveri N., Bigi A., Panzavolta S. and Sidoti M.C. Porous phosphate-gelatine composite as bone graft with drug delivery function. *J. Mater. Sci.: Mater. Med.* (2003), 14, 623-627. **IF: 1.508**
213. Bastidas D.M., Piñol S., Plain J., Puig T., Obradors X., Celotti G., Sprio s. and Tampieri A. Synthesis and densification of Hg(Re)-1223 superconductors. *Physica C* 372-376; (2002) 1171-1173. **IF: 0.740**
214. Tampieri A., Celotti G., Sprio s., Rinaldi d., Barucca G. and Caciuffo R. Effects of copper doping in MgB₂ superconductor. *Solid State Comm.* (2002), 121, 497-500. **IF: 1.557**
215. Bindi M., Fuso F., Arimondo E., Tampieri A., Celotti G. and Rinaldi D. Fabrication and characterization of Hg-based superconductive thin films. *Physica C* (2002), 377, 319-326. **IF: 0.740**
216. Specchia N., Pagnotta A., Cappella M., Tampieri A. and Greco F. Effect of hydroxyapatite porosity on growth and differentiation of human osteoblast-like cells. *Journal of Materials Science* (2002), 37(3), 577-584. **IF: 1.181**

217. Guicciardi S., Galassi C., Landi E., Tampieri A., Satou K. and Pezzotti G. Rheological characteristics of slurry controlling the microstructure and the compressive strength behaviour of biomimetic Hydroxyapatite. *J. Mater. Res.* (2001), 16, 163-170. **IF: 1.743**
218. Landi, E., Orlandi, L., Spagna, G., Tampieri, A., Zaffaroni, N. Calcium phosphate ceramics as drug-delivery system for anticancer therapy. *Key Engineering Materials* (2001), 192-195, 901-904. **IF: 0.19**
219. Tampieri A., Celotti G., Sprio S., Delcogliano A. and Franzese S. Porosity-graded hydroxyapatite ceramics to replace natural bone. *Biomaterials* (2001), 22, 1365-70 **IF: 7.88**
220. Bindi M., Fuso F., Puccini N., Arimondo E., Tampieri A. and Celotti G. Synthesis and characterization of Hg-based superconducting thin films produced starting from laser-deposited precursors. *Int. J. Mod. Phys. B* (2000), 14, 2731-6. **IF: 0.558**
221. Celotti G., Tampieri A. and Cavallaro A. Crystal structure data on a new cubic phase acting as antagonist in the synthesis of Hg(Re)-1223 superconductor. *Int. J. Mod. Phys. B* (2000), 14, 2706-12 **IF: 0.558**
222. Celotti G., Tampieri A. and Monteverde F. A new Cu-free cubic phase as competitor in the synthesis of Hg(Re)-1223 superconductor. *Solid State Comm.* (2000), 116, 109-114. **IF: 1.557**
223. Tampieri A. and Celotti G. Bi-2223 bulk superconductor with oriented texture and high transport current. *Supercond. Sci. Technol.* (2000), 13, 1113-9 **IF: 1.847**
224. Landi E., Tampieri A., Celotti G. and Sprio S. Densification behaviour and mechanisms of synthetic hydroxyapatites. *J. Eur. Ceram. Soc.* (2000), 20, 2377-2387. **IF: 1.580**
225. Tampieri A., Celotti G., Sprio s. and Mingazzini C. Characteristics of synthetic hydroxyapatites and attempts to improve their thermal stability. *Mater. Chem. And Phys.* (2000), 64, 54-61 **IF: 1.799**
226. Tampieri A., Celotti G., Lesca S., Bezzi G., La Torretta T.M.G. and Magnani G. BSCCO (2223) superconductor prepared by improved sol-gel technique. *J. Eur. Ceram. Soc.* (2000), 20, 119-126 **IF: 1.580**
227. Pekala M., Gadomski W., Szydłowska J., Tampieri A. and Ausloos M. Broadening of the resistive transition in polycrystalline Bi/Pb-2223 Broadening of the resistive transition in polycrystalline Bi/Pb-2223. *Superconductor Science and Technology* (2000), 13(8), 1142-1144. **IF: 1.847**
228. Celotti G., Tampieri A. and Rinaldi D. Characteristics of Hg-based superconductors prepared at 0.2 GPa by HIP. *Int. J. Mod. Phys. B* (1999), 13, 1017-1022. **IF: 0.558**
229. Tampieri A., Fiorani D., Sparvieri N., Rinaldi D., Celotti G. and Bartolucci R. Granular and intergranular properties of hot-pressed BSCCO (2223) superconductors. *J. Mater. Sci.* (1999), 34, 6177-6182 **IF: 1.181**
230. Tampieri A. and Celotti G. A multi-step process to improve texturing and transport current in BSCCO ("2223) superconductors. *IEEE Trans. Appl. Supercond.* (1999), 9, 2010-2013 **IF: 0.919**
231. Celotti G. and Tampieri a. Application of hot-isostatic pressing in the synthesis of Hg-based superconductors. *IEEE Trans. Appl. Supercond.* (1999), 9, 1779-1782 **IF: 0.919**
232. Tampieri A., Celotti G., Roncari E. and El-Tantawy F. Development of BSCCO superconducting thick film using tape casting and thermo-pressing techniques. *J. Mater. Proc. Technol.* (1999), 86, 177-183 **IF:1.143**
233. Tampieri A., Calestani G., Celotti G., Masini R. and Lesca S. *Multi.step process to prepare bulk BSCCO (2223) superconductor with improved transport properties. Physica C* (1998), 306, 21-33. **IF: 0.740**
234. Tampieri A., Calestani G., Celotti g., Micheletti C. and Rinaldi D. Preparation of Hg-1201 superconductor by hot-isostatic pressing. *Physica C* (1998), 298, 10-16. **IF: 1.086**

235. Tampieri A., Celotti G., Monteverde F., El-Tantawy F. and Mansour S. Influence of vanadium oxide on BSCCO(2223) phase formation and related properties. *J. Mater. Sci.* (1998), 33, 1857-1862. **IF: 1.181**
236. Tampieri A., Celotti G., Masini R., Lesca S. and Rossi M. Preparation of grain-aligned bulk (2223) B(Pb)SCCO superconductor with improved J_c by hot-texturing. *Nuovo Cimento* (1997), 19D, 1019-1024. **IF: 0.238**
237. James M.P., Glowacki B.a., Tampieri a. and Celotti G. Computer-modelled deformation mechanism map for hot uniaxially pressed Bi-2223 superconductor. *J. Mater. Sci.* (1997), 32, 1409-1414. **IF: 1.181**
238. Tampieri A., Celotti G., Szontagh F. and Landi E. Sintering and characterization of HA and TCP bioceramics with control of their strength and phase purity. *J. Mater. Sci.: Mater. Med.* (1997), 8, 29-37. **IF: 0.238**
239. Celotti G.C., Tampieri A., Micheletti, C., Dalle Fabbriche, D. Synthesis of Hg-based superconductors by hot-isostatic pressing. *Key Engineering Materials* (1997), 136 PART 2, 1243-1246. **IF: 0.19**
240. Pekala M., Tampieri a., Celotti G., Houssa M. and Ausloos M. Magneto-transport study of Bi-2223 superconductor produced by high pressure method. *Supercond. Sci. technol.* (1996),9, 644-652. **IF: 1.847**
241. Bellosi A., Celotti G., Landi e. and Tampieri A. Thermal expansion behaviour of bulk Bi-based (2223) superconductors. *J. Mater. Res.* (1996), 11, 1627-1634. **IF: 1.181**
242. Bertolotti M., Liakhov G., Ricciardiello F.G., Li Voti R., Paoloni S., Sibilica C., Tampieri A. and Sparvieri N. Thermal characterization of high T_c superconductors through the photodeflection method. *Journal of Thermal Analysis* (1996), 47(1), 67-74. **IF: 1.630**
243. Tampieri A., Landi E. and Celotti G. Mechanisms and kinetics of BSCCO superconducting phases synthesis via organometallic precursors. *Physica C* (1995), 254, 342-54. **IF: 1.710**
244. Tampieri A., Celotti G., Guicciardi S. and Melandri C. Microstructural and mechanical characterization of bulk BSCCO (2223) superconductor. *Mater.Chem.and Phys.* (1995), 42, 188-194. **IF: 1.799**
245. Tampieri A. and Celotti G. Synthesis and densification behaviour of Bi-based superconducting powder by organic precursors. *J.Eur.Cer.Soc.* (1995), 15, 735-39. **IF: 1.580**
246. Tampieri A., Celotti G. Bellosi A., Guicciardi S. and Landi E. Anisotropic thermal and mechanical properties of bulk high T_c Bi-based, superconductors. *Il Nuovo Cimento D* (1994), 16, 1863-69. **IF: 0.238**
247. Tampieri A., Celotti G., Landi E. and Babini G.N. Preparation and densification of HTc (2223) phase superconductor. *Physica C* (1994), 235-240, 501-2. **IF: 3.258**
248. Tampieri A., Fiorani D., Sparvieri N., Celotti G. and Testa A. Magnetic characterization of hot-pressed BSCCO (2223) phase superconducting, ceramic. *Il Nuovo Cimento D* (1994), 16, 1871-69. **IF: 0.238**
249. Dimesso L., Matsubara J., Ogura T., Yamashita H. and Tampieri A. Effect of additional elements in the glass precursor on the growth of the Bi₂Sr₂CaCu₂O_x whiskers. *J.Mater.Res.* (1994), 9, 2501-2509. **IF: 1.743**
250. Dimesso L., Matsubara J., Ogura T., Yamashita H. and Tampieri A. Preparation and characterization of Ga doped BiSrCaCuO system *Physica C* (1994), 227, 291-299. **IF: 0.740**
251. Celotti G., Tampieri A., Masini R., Malpezzi M.C. Evaluation of structure-related parameters of hot-pressed BSCCO (2223) phase *Physica C* (1994), 225, 346-352. **IF: 3.258**
252. Tampieri A., Celotti G., Ricciardiello F., Russo G. Powder preparation by organic precursor and densification of a high T_c Bi-based superconductor *Physica C* (1994), 227, 300-308. **IF: 3.258**

253. Dimesso L., Matsubara I., Ogura T., Funahashi R., Yamashita H., Tampieri A. Effect of the Ga-doping on the growth and superconducting properties of the Bi₂Sr₂CaCu₂O_y whiskers. *Physica C: Superconductivity and its applications* (1994), 235-240 (PART 1), 473-474. **IF: 3.258**
254. Tampieri A., Landi E., Bellosi A. Kinetic study on the formation of Bi_{1.8}Pb_{0.2}Sr₂Co₂Cu₃O_x ceramic superconductors *Mater.Chem. and Phys.* (1993), 34, 157-161. **IF: 1.799**
255. Tampieri A. Masini R., Dimesso L., Guicciardi S., Malpezzi C. Densification of Bi_{1.8}Pb_{0.35}Sr_{1.9}Ca_{2.1}Cu₃O_x and texture development through sinter-forging. *Jpn. J. Appl. Phys.* (1993), 32, 4490-4495. **IF: 1.309**
256. Bellosi A., Landi E., Tampieri A. Oxidation behavior of Aluminum Nitride *J. Mater. Res.* (1993), 8, 565-572. **IF: 1.743**
257. Tampieri A., Bellosi A. Oxidation of monolithic TiB₂ and of Al₂O₃-TiB₂ composites. *J. Mat. Sci.* (1993),28, 649-652. **IF: 1.181**
258. Tampieri A., Landi E., Bellosi A. On the Oxidation behaviour of monolithic TiB₂ and of Si₃N₄-TiB₂ and Al₂O₃-TiB₂ composites. *J. Thermal Analysis* (1992), 38, 2657-2668. **IF: 1.630**
259. Tampieri A., Bellosi A. Oxidation resistance of alumina-titanium nitride and alumina-titanium carbide composites. *J. Amer. Ceram. Soc.* (1992), 75(6), 1688-1690. **IF: 2.101**
260. Bellosi A., Guicciardi S., Tampieri A. Development and characterization of electroconductive Si₃N₄-TiN composites. *J. Europ. Ceram. Soc.* (1992), 9, 83-93. **IF: 1.580**
261. Tampieri A., Landi E., Bellosi A. On the oxidation behaviour of monolithic TiN ceramics. *Brit. Ceram. Trans.* (1991), 90, 194-196. **IF: 0.6**
262. Tampieri A., Babini G.N. Preparation of High T_c Superconductor in the (BiPbSrCaCuO) System by Hot-Pressing. *Jpn. J. Appl. Phy.* (1991), 30, L1163-1165. **IF: 1.309**
263. Tampieri A., Bellosi A., Yu-Zen Liu Oxidation Behaviour of electroconductive Si₃N₄ -TiN composites. *Material Sci. Eng. A* (1990), 127, 115-122. **IF: 1.806**
264. Spada G.P., Gottarelli G., Tampieri A., Moretti I., Torre G. A study of the thermal racemization of (-)-3,3-diphenyl-2-(t-butyl) oxaziridine and (-)-1-chloro-2,2-diphenylaziridine in several nematic solvents using a microscopic technique. *J. Chem. Soc. Perkin Trans.* (1989), II, 513-516. **IF: 3.55**
265. De Maria P., Tampieri A., Samorì B., Zani P. Liquid crystalline catalysis. Kinetic of the rearrangement of Allyl p- (dimethylamino) benzenesulphonate in a smectic B-solvent. *Bull. Chem. Soc. Japn.* (1988), 61, 1773-1777 **IF: 1.68**

CAPITOLI DI LIBRO

1. Ruffini A, Sprio S, Preti L, Tampieri A (2019). Synthesis of Nanostructured Hydroxyapatite via Controlled Hydrothermal Route. Biomaterial-supported Tissue Reconstruction or Regeneration. In Tech
2. Setua S, Jaggi M, Yallapu MM, Chauhan SC, Danilushkina A, Lee H, Choi I S, Fakhrullin R, Degli Esposti L, Tampieri A, Iafisco M, Shevtsov M, Multhoff G (2018). Targeted and theranostic applications for nanotechnologies in medicine. *Nanotechn Prev and Regen Med*, 399-511
3. Guarino V, Scaglione S, Sandri M, Sprio S, Tampieri A, Ambrosio L (2019). Composite scaffolds for bone and osteochondral defects. *Mater Biomed Eng*, 297-337
4. Ruffini A, Sprio S, Preti L, Tampieri A (2019). Synthesis of Nanostructured Hydroxyapatite via Controlled Hydrothermal Route. *Biomaterial-supported Tissue Reconstruction or Regeneration*. In Tech
5. Adamiano A, Iafisco M, Tampieri A (2018). Magnetic core-shell nanoparticles: Remote driving, hyperthermia, and controlled drug release. In: *Core-Shell Nanostructures for Drug Delivery and Theranostics*, Tampieri A and Focarete ML, eds. 259-296

6. E Campodoni, T Patricio, M Montesi, A Tampieri, M Sandri, S Sprio (2018) Biom mineralization process generating hybrid nano-and micro-carriers In: **Core-Shell Nanostructures for Drug Delivery and Theranostics**, Tampieri A and Focarete ML, eds., 19-42.
7. Preti L, Lambiase B, Campodoni E, Sandri M, Ruffini A, Pugno N, Tampieri A, Sprio S (2019). Nature-inspired processes and structures: new paradigms to develop highly bioactive devices for hard tissue regeneration. *Bio-Inspired Technology* In: Ruby Srivastava, ed., **Bio-Inspired Technology**, InTech
8. Sprio S, Sandri M, Iafisco M, Panseri S, Montesi M, Ruffini A, Adamiano A, Ballardini A, Tampieri A. (2016) Nature-inspired nanotechnology and smart magnetic activation: two ground-breaking approaches towards a new generation of biomaterials for hard tissue regeneration. In Rozim Zorzi A, de Miranda JB, eds: **Advanced Techniques in Bone Regeneration**, InTech Publication. ISBN 978-953-51-2539-6
9. Toni R, Bassi E, Zini N, Zamparelli A, Barbaro F, Dallatana D, Mosca S, Lippi G, Spaletta G, Bassoli E, Denti L, Gatto A, Parrilli A, Fini M, Giardino R, Sandri M, Sprio S, Tampieri A. (2016) Bioartificial endocrine organs: at the cutting edge of translational research in endocrinology. In: Tampieri A, Sprio S, editors. **Bio-inspired Regenerative Medicine: Materials, Processes and Clinical Applications**, PAN Stanford Publishing, Singapore.
10. Tampieri A, Sandri M, Panseri S, Adamiano A, Montesi M, Sprio S. (2016) Biologically-inspired nanomaterials and nano-bio-magnetism: a synergy among new emerging concepts in Regenerative Medicine. In Tampieri A, Sprio S, eds: **Bio-inspired Regenerative Medicine: Materials, Processes and Clinical Applications**, PAN Stanford Publishing, Singapore.
11. Tampieri A, Iafisco M, Sprio S, Ruffini A, Panseri S, Montesi M, Adamiano A, Sandri M. (2016) Bioceramics and hybrid nanocomposites for regenerative medicine. In Antoniac IV, ed: **Handbook of Bioceramics and Biocomposites**, Springer International Publishing.
12. Sprio S, Ruffini A, Dapporto M, Tampieri A. (2016) New strategies for regeneration of load bearing bones. In Tampieri A, Sprio S, eds: **Bio-inspired Regenerative Medicine: Materials, Processes and Clinical Applications**, PAN Stanford Publishing, Singapore.
13. Sprio S, Sandri M, Iafisco M, Panseri S, Montesi M, Ruffini A, Adamiano A, Ballardini A, Tampieri A. Nature-inspired nanotechnology and smart magnetic activation: two ground-breaking approaches towards a new generation of biomaterials for hard tissue regeneration. In: **Bone Regeneration**, InTechPublication. ISBN 978-953-51-4686-5.
14. Tampieri A, Sandri M, Panseri S, Adamiano A, Montesi M, Sprio S. Biologically-inspired nanomaterials and nano-bio-magnetism: a synergy among new emerging concepts in Regenerative Medicine. In Tampieri A, Sprio S, eds: **Bio-inspired Regenerative Medicine: Materials, Processes and Clinical Applications**. PAN Stanford Publishing, Singapore. (2015) In press.
15. Sprio S, Ruffini A, Dapporto M, Tampieri A. New strategies for regeneration of load bearing bones. In Tampieri A, Sprio S, eds: **Bio-inspired Regenerative Medicine: Materials, Processes and Clinical Applications**, PAN Stanford Publishing, Singapore. (2015) In press.
16. Toni R, Bassi E, Zini N, Zamparelli A, Barbaro F, Dallatana D, Mosca S, Lippi G, Spaletta G, Bassoli E, Denti L, Gatto A, Parrilli A, Fini M, Giardino R, Sandri M, Sprio S, Tampieri A. Bioartificial endocrine organs: at the cutting edge of translational research in endocrinology. In: Tampieri A, Sprio S, editors. **Bio-inspired Regenerative Medicine: Materials, Processes and Clinical Applications**. PAN Stanford Publishing, Singapore. (2015) In press.
17. Sprio S, Sandri M, Iafisco M, Panseri S, Filardo G, Kon E, Marcacci M, Tampieri A. Composite biomedical foams for engineering bone tissue. In: Netti PA, editor. **Biomedical foams for tissue engineering applications**. Woodhead Publishing Limited, Cambridge (UK), (2014) 249-280.

18. Sprio S, Sandri M, Panseri S, Iafisco M, Ruffini A, Minardi S, Tampieri A. Bone substitutes based on biomineralization. In: Mallick KK, editor. **Bone substitutes biomaterials**. Woodhead Publishing Limited, Cambridge (UK), (2014), 3-24.
19. Sprio S, Sandri M, Iafisco M, Panseri S, Cunha C, Ruffini A, Zini N, Toni R, Tampieri A. Biomimetic materials in regenerative medicine. In: Ruys AJ, editor. **Biomimetic biomaterials: Structure and applications**. Woodhead Publishing (2013), 3-45.
20. Iafisco M, Sprio S, D'Alessandro T, Tampieri A. Applications of biomimetic nanocrystalline apatites in drug delivery and tissue engineering. In: Gshalaev VS and Demirchan AC, editors. **Hydroxyapatite: Synthesis, Properties and Applications**. Nova Science Publisher, New York, (2012), 215-242.
21. Sprio S, Ruffini A, Tampieri A. Biomimetic scaffolds for the regeneration of load-bearing bones. In: **Advances in Nanoscience and nanotechnology. Volume 3: Nanomaterials Synthesis, Characterization and Applications** (AK Haghi, AK Zachariah, N Kalarikkal eds.), Apple Academic Press Inc, Oakville, Canada, (2011), 51-77.
22. Sprio S, Ruffini A, Tampieri A. Smart biomaterials obtained by biomimetic transformation. In: **Recent Advances in Nanostructured Materials: Synthesis, Characterization and Applications** (AK Zachariah, N Kalarikkal, Y Weimin, AK Haghi eds.), Apple Academic Press Inc, Oakville, Canada. (2011)
23. Tampieri A, Sprio S. New concepts applied to the development of biomaterials for orthopaedic tissue regeneration. **Surface tailoring of inorganic materials for biomedical applications** (L. Rimondini ed.), Bentham Science Publisher, (2011), 247-278.
24. Tampieri A, Sprio S, Landi E, Sandri M. Developing biocomposites as scaffolds in regenerative medicine, In **Biomedical composites** (L. Ambrosio ed.), Woodhead Publishing, Abington Hall, Abington, Cambridge, CB21 6AH, United Kingdom, (2009), 547-572.
25. Tampieri A, Celotti G, Sprio S. Innovative techniques in superconducting powder synthesis and densification. In: **Recent Research Developments in Material Science**, Vol. 3, Research Signpost, Trivandrum, India, (2002), 337-359.
26. Tampieri a. and Celotti G. Innovative techniques in superconducting powder synthesis and their influence on material processing. **Superconducting Materials: advances in technology and applications** A. Tampieri and G. Celotti (eds.), World Scientific Publ., Singapore (2000), 190-209
27. Tampieri A., Bellosi A., Biasini V. Oxidation resistance of Si₃N₄-TiB₂ Composites **Advanced Structural Inorganic Composites**. P. Vincenzini Ed. Elsevier Science, Publishers B.V. (1991) 408-419

CONFERENZE, PRESENTAZIONI E ATTI DI CONVEGNO

1. Tampieri A., Sandri M., Sprio S. and Panseri S. *Intelligent bio-inspired nano-composites for osteochondral regeneration: the magnetic scaffold, a new challenge*. **Nano Today**
2. Sprio S, Ruffini A, Panseri S, Tampieri A. Biomimetic apatites with hierarchically organized structure. MiMe-Materials in Medicine International Conference, 1st edition, Faenza (Italy), 8-11 October 2013.
3. Logroscino G, Pola E, Pagano E, Campana V, Colangelo D, Nasto L, Russo G, Malerba G, Ziranu A, Barba M, Dapporto M, Sprio S, Tampieri A, Lattanzi W. *Comparative analysis of a novel injectable bone substitute vs. Kyphos for kyphoplasty surgery: preliminary results*. **MiMe-Materials in Medicine International Conference**, 1st edition, Faenza (Italy), 8-11 October 2013.
4. Adamiano A, Iafisco M, Ruffini A, Sprio S, Strontium nano-triggers based on Mg-CO₃ apatites for osteoporotic bone reconstruction. **SIB 2013**, 3-5 June 2013, Baveno (Italy).

5. Sprio S., Ruffini A., Panseri S., Filardo G., Marcacci M. and Tampieri A. From wood to bone: new biomorphic scaffold for bone regeneration. **World Biotechnology Congress 2013**, 3-6 June 2013. Boston (USA).
6. Tampieri A., Sandri M., Sprio S. and Panseri S. Bio-inspired nanocomposites for tissue regeneration. **World Biotechnology Congress 2013**, 3-6 June 2013. Boston (USA).
7. Tampieri A., Sandri M., Sprio S., Panseri S., Kon E. and Marcacci M. Bio-inspired nano-composites for osteochondral regeneration: from the lab to the clinic. **ASME 2013: 2nd Global Congress on NanoEngineering for Medicine and Biology**. NEMB 2013 4-6 February 2013. Boston (USA).
8. Cunha C, Panseri S, Dapporto M, Sprio S, Tampieri A. Analysis of osteoblast viability and activity on ceramic β TCP/TiO₂ biomimetic scaffolds. **3rd TERMIS World Congress 2012 – Tissue Engineering and Regenerative Medicine**, 5-8 September 2012, Vienna (Austria).
9. Sandri M, Sprio S, Dapporto M, Tampieri A. Intelligent biomaterials for tissue regeneration and nanomedicine. **3rd TERMIS World Congress 2012 – Tissue Engineering and Regenerative Medicine**, 5-8 September 2012, Vienna (Austria).
10. Tampieri A., D'Alessandro T., Sandri M., Panseri S., Cunha C. Superparamagnetic bio-mimetic hybrid composites. **Congress of the Italian Society for Biomaterials**, June 18-20, 2012 Lecce (Italy).
11. Dapporto M, D'Alessandro T, Sprio S, Cunha C, Tampieri A. Novel biomimetic bone cements based on Sr-substituted hydroxyapatite for regenerative vertebroplasty. **Congresso Nazionale Biomateriali SIB 2012**, 18-20 June, Lecce (Italy).
12. Tampieri A, Sandri M, D'Alessandro T, Sprio S. High Superparamagnetism and hyperthermia in Bioactive HA, **9th Biomaterials Congress**, 1-5 June 2012, Chengdu, China.
13. De Santis R., Gloria A., Russo T., D'Amora U., Banobre-Lopez M., Tampieri A., Rivas J., Ambrosio L. and Pineiro-Redondo Y. Magnetic PCL-based Nanocomposite Substrates for Hard Tissue Engineering, **9th Biomaterials Congress**, 1-5 June 2012, Chengdu, China.
14. Panseri S., D'Alessandro T., Sandri M., Khanarian N., Lu H., Marcacci M., Hung C.T., Tampieri A. In vitro evaluation of novel magnetic Fe-Hydroxyapatite nanoparticles for bone applications. **9th World Biomaterials Congress** June 1-5 2012 Chengdu (China).
15. Panseri S., Sandri M., Valentini F., Cunha C., Hung C.T., Tampieri A. Novel magnetic hydroxyapatite porous scaffolds to stimulate bone regeneration. **9th World Biomaterials Congress** June 1-5 2012 Chengdu (China).
16. Ruffini A., Sprio S., Tampieri A., Panseri S. New generation bone scaffolds from wood: innovative biomorphic processes on natural templates. **9th World Biomaterials Congress** June 1-5 2012 Chengdu (China).
17. Sandri M., Panseri S., Iafisco M., Minardi S., Sultanova B., Müller F., Wendt D.J., Tampieri A. New Collagen/BNC Blending to Improve the Performances of Biohybrid Composites for Osteochondral Regeneration. **9th World Biomaterials Congress** June 1-5 2012 Chengdu (China).
18. Ruffini A., Sprio S., Panseri S., Tampieri A. Regenerative bone scaffolds in hydroxyapatite obtained by biomorphic transformation of ligneous structures. **23rd Symposium and Annual Meeting of International Society for Ceramics in Medicine (BIOCERAMICS 23)** November 06-09, 2011 Istanbul, Turkey.
19. Valentini F., Panseri S., Rivas J., Herrmannsdoerfer T., Tampieri A. Hydroxyapatite/Magnetite Porous Scaffolds to Stimulate Bone Regeneration. **Italian Society for Biomaterials Conference – May 23-25 2011, Bari, Italy**.
20. D'Alessandro T., Sprio S., Tampieri A. Solid state synthesis of Sr- α TCP to obtain Sr-HA bone cement. **Italian Society for Biomaterials Conference – May 23-25 2011, Bari, Italy**.

21. Tampieri A, Sprio S, Sandri M, Ruffini A. New Smart Biomimetic Materials in Regenerative Medicine. **13th CCT**, A. Ravaglioli (ed.), Faenza, May 17-20, 2011.
22. Tampieri A., Lecture “Nuovi materiali biomimetici per la rigenerazione ossea. Presente e futuro”, **Biomateriali e rigenerazione ossea**, promoted by Sweden & Martina, Finceramica Regenerative Surgery and Associazione Nazionale Dentisti Italiani, 30 October 2010, Faenza, Italy
23. A. Tampieri, M. Sandri, T. D’Alessandro, M. Banobre-Lopez, J. Rivas. Invited Lecture “Innovative biomimetic hybrid composites to repair multifunctional anatomical region” **ASME2010 5th Frontiers in Biomedical Devices Conference & Exhibition**, 20-21 September 2010, Newport Beach, USA
24. Sprio S, Ruffini A, Tampieri A. Biomorphic bone scaffolds made of biomimetic hydroxyapatite obtained by transformation of rattan wood. **ESB2010**, 11-15th September 2010, Tampere, Finlandia.
25. Goranov V., Russo A., Panseri S., Sandri M., Tampieri, A. Makhaniok, Y. Haranava, V. Dediu, M. Marcacci “Magnetic biomimetic scaffold: peculiarities of cell development. **IMA2010** August 21-27 2010, Budapest, Hungary.
26. Russo A., Panseri S., Goranov V., Casino D., Shelyakova T., Sandri M., Tampieri A., Dionigi C., Dediu V., Marcacci M. Innovative Magnetic Biomimetic Scaffolds for Bone and Osteochondral Tissue Engineering. **TERMIS-EU 2010 Meeting**, June 13-17 2010, Galway, Ireland.
27. Casino D., Shelyakova T., Russo A., Panseri S., Tampieri A., Dionigi C., Dediu V., Marcacci M. Magnetic Scaffold for advanced Osteochondral Tissue Engineering: Multiphysics modeling. **TERMIS-EU 2010 Meeting**, June 13-17 2010, Galway, Ireland.
28. Russo A., Casino D., Shelyakova T., Panseri S., Dediu V., Bañobre M., Rivas J., Marcacci M. Magnetic Scaffold for Advanced Osteochondral Tissue Engineering. **8th Conference Scientific and Clinical Applications of Magnetic Carriers** May 25-29, 2010 Rostock, Germany.
29. Ruffini A, Sprio S, Tampieri A. Biomorphic transformation in Regenerative Medicine: innovative scaffolds from natural hierarchical structures. **Congresso Nazionale Biomateriali**, 24-26 May 2010, Camogli (GE), Italy.
30. Sprio S, Ruffini A, Tampieri A. Biomorphic transformations to obtain hierarchically organized bone scaffolds from native ligneous structures (invited lecture). **ICN 2010**, 27-29 Aprile 2010, Kottayam, India.
31. Sprio S, Celotti G, Landi E, Tampieri A. Development of hydroxyapatite / calcium silicate composites for biomedical applications. **EUROMAT 2009**, Glasgow (UK), 07-10 September 2009.
32. Sprio S, Ruffini A, Tampieri A. From Wood to Bone: new processes to develop hierarchically organized bone scaffold (keynote lecture). **EUROMAT 2009**, Glasgow (UK), 07-10 September 2009.
33. Valentini F., Landi E., Sandri M., Sommerdijk N., Nudelman F. and Tampieri A. “Study of biomineralization processes by Cryo-TEM”. In: **IEEE NANO 2009 - 9th Nanotechnology Conference** (Genova, 27-30 luglio 2009). Proceedings, pp. 426 - 428. IEEE NANO Organizers, 2009.
34. Russo A., Panseri S., Casino D., Shelyakova T., Tampieri A., Bock N., Goranov V., Landi E., Dionigi C., Riminucci A., Dediu V., Marcacci M. Innovative Magnetic Nanoparticles Approaches For Bone And Osteochondral Tissue Engineering. **1st Global Congress on NanoEngineering for Medicine and Biology NEMB 2010** February 7-10, 2010 Houston, TX, USA.
35. Tampieri A., Sandri M., D’Alessandro T., Landi E. and Bertinetti L. Biomimetic Fe Hydroxyapatite endowed with intrinsic magnetization. **Congresso Nazionale Biomateriali - SIB 2010**.
36. Ruffini A, Sprio S, Tampieri A. Biomorphic transformation to obtain hierarchical porous structures. **9th IEEE International Conference on Nanotechnology** July 26th-30th, 2009, Genoa, Italy: 609 – 612.
37. Tampieri A, Ruffini A, Sprio S. Biomorphic transformation in nanomedicine. (invited) Proc **CCT 12 - 12th Ceramics, Cells and Tissues**, A. Ravaglioli e A. Krajewski (eds.), Faenza, 2009: 60-64.

38. Landi E., Valentini F., Tampieri A. "Gelatine/hydroxyapatite ice-templated scaffolds: influence of mineralization and cross-linking extent". In: **CCT 12** - 12th Ceramics, Cells and Tissues (Faenza, 19-22 May 2009). Proceedings, pp. 205 - 209.
39. Bertinetti L., Ceschino R., Bollati D., Landi E., Tampieri A., Martra G. Protein adsorption on nanohydroxyapatites: spectroscopic investigations at molecular level. Proceedings **Bioceramics 21**, 21-24 Oct 2008 Búzios, Brazil, pp. 77 – 80.
40. Tampieri A., Ruffini A., Sprio S. and Sandri M. From Wood to Bone: New processes to develop hierarchically organized bone scaffolds with biomechanical performances. Global roadmap for ceramics – **ICC2** proceedings, Verona (Italy), June 29-July 4, 2008.
41. Sprio S, Tampieri A, Celotti G, Landi E. Bioactive scaffolds reinforced with Si-based phases. Global roadmap for ceramics – **ICC2** proceedings, Verona (Italy), June 29-July 4, 2008.
42. Valentini F., Landi E., Tonelli D., Tampieri A. Pore structures and properties of ice-designed apatite scaffolds for bone substitutions. Global roadmap for ceramics – **ICC2** proceedings, Verona (Italy), June 29-July 4, 2008.
43. Sprio S, Landi E, Celotti G, Tampieri A. Development of multi-substituted HA for bone reconstruction. **8th WBC**, Amsterdam (Olanda), 28 Maggio-01 Giugno 2008.
44. Sprio S, Tampieri A, Celotti G, Landi E. Synthesis and characterization of bioactive composites by fast hot pressing. **ICMOBT 2007**, Lihue (USA), 09-13 Dicembre 2007.
45. L. Ambrosio, P. Bianco, G. Condorelli, R. Giardino, PA Netti, R. Quarto, A. Quattrini, A. Sannino, A. Tampieri (University of Naples) TISSUENET: the italian research network of Tissue Regeneration
46. J. H. Levialedi Ghiron, G. Schiattarella, M. Sandri, R. Rizzi, G. Esposito, A. Tampieri, G. Condorelli (CNR Milan) A collagen Membrane-based Engineered Heart Tissue improve Cardiac Function in Ischemic Rat Hearts
47. E. Arcangeli, D. Pressato, E. Kon, A. Tampieri, B. Parma, M. Marcacci (Fin-Ceramica Faenza S.p.A.) Novel nano-composite biomaterial for osteo-chnodral tissue engineering: pilot clinical study
48. E. Landi, F. Valentini, S. Sprio, A. Ruffini, A. Tampieri (Institute of Science and Technology for Ceramics, ISTECCNR) Freeze casting of biomimetic apatites for scaffolds development
49. A. Tampieri, E. Landi, F. Valentini, M. Sandri, T. D'Alessandro (Fin-Ceramica Faenza S.p.A.) Magnetic bio-composite for bone regeneration
50. A. Nicoletti, M. Fiorini, L. Dolcini, E. Landi, M. Sandri, A. Tampieri, D. Pressato (Fin-Ceramica Faenza S.p.A.) Chemical and Physical Characterization of bio-mimetic composite scaffold cross-linked with 1,4 Butanediol diglycidyl ether (BDDGE)
51. Bertinetti, L., Tampieri, A., Landi, E., Bolis, V., Busco, C., Martra, G. Surface structure, hydration and cationic sites of nanohydroxyapatite. **BIOCERAMICS 20**, 23-26 Ottobre 2007, Nantes (Francia), Vol. 20, part 1: 87-90.
52. Ruffini A., Sprio S. and Tampieri A. Towards hierarchically organized scaffolds for bone substitutes from wood structures. **BIOCERAMICS 20**, 23-26 Ottobre 2007, Nantes (Francia), Vol. 20, part 2: 959-962.
53. Sandri M., Tampieri A., Bertinetti L. and Boskey A. In vitro-biomineralization. **BIOCERAMICS 20**, 23-26 Ottobre 2007, Nantes (Francia), Vol. 20, part 1: 543-546.
54. Landi E., Sprio S., Sandri M., Tampieri A., Bertinetti L. and Martra, G. Development of multisubstituted apatites for bone reconstruction. **BIOCERAMICS 20** (2007), 23-26 Ottobre 2007, Nantes (Francia), Vol. 20, part 1: 171-174.
55. Landi E., Martorana S., Tampieri A., Guicciardi S. and Melandri C. Carbonated-apatite /gelatine porous scaffolds for bone replacement. **BIOCERAMICS 20**, 23-26 Ottobre 2007, Nantes (Francia), Vol.20 part 1: 547-550.

56. Sprio, S., Tampieri, A., Landi, E., Celotti, G. and Dalle Fabbriche, D. Bioactive hydroxyapatite/calcium silicate composites obtained by fast hot pressing: structure and flexural strength. **BIOCERAMICS 20**, 23-26 Ottobre 2007, Nantes (Francia), Vol. 20, part 1: 423-426.
57. Tampieri A., Sandri M., Landi E. and Pressato D. Biomimetic hybrid composites to repair osteochondral lesions. **BIOCERAMICS 20**, 23-26 Ottobre 2007, Nantes (Francia), Vol. 20, part 2: 927-930.
58. Tampieri A., Landi E., Sandri M. and Pressato D. Biomimetic Hybrid Composites to Repair Osteochondral Lesions. **EUROMAT 2007**, Norimberga, Germania, 9-14 Settembre 2007.
59. Sprio S, Ruffini A, Celotti G, Tampieri A. From natural hierarchic structures to bone substitutes. **EUROMAT 2007**, Norimberga, Germania, 9-14 Settembre 2007.
60. Landi E, Martorana S, Sprio S, Tampieri A, Valentini F. Bioactive porous scaffolds for bone regeneration. **BIOFOAM 2007**, Capri, Italia, 26-28 Settembre 2007.
61. Ruffini A, Sprio S, Landi E, Tampieri A. Strutture naturali vegetali con morfologia complessa per lo sviluppo di sostituti ossei. Congresso Nazionale Società Italiana Biomateriali, TOP Hotel Park, Rastignano, Italia, 28-29 Maggio 2007.
62. Sprio S, Tampieri A, Landi E, Celotti G. Sviluppo di compositi per scaffold ossei a base di idrossiapatite rinforzata con silicati di calcio bioattivi mediante Fast hot pressing. **Congresso Nazionale Società Italiana Biomateriali**, TOP Hotel Park, Rastignano, Italia, 28-29 Maggio 2007.
63. Sprio S, Sandri M, Landi E, Tampieri A. Sintesi e caratterizzazione di apatiti multi-sostituite e compositi bio-ibridi contenenti silicio. **Congresso Nazionale Biomateriali 2006**, Biomateriali e Medicina Rigenerativa, Hotel Oriente, Vico Equense (Italia), 13-16 Settembre 2006.
64. Pressato, D., Tampieri, A., Quarto, R., Arcangeli, A., Fiorini, M., Kon, E., Zaffagnini, S., Giardino, R., Parma, B., Marcacci, M. Nanocomposite biomimetic scaffolds in articular osteochondral regeneration: preliminary evaluations. **Proc. 11th CCT**, A. Ravaglioli e A. Krajewski (eds.), 2007: 195-201.
65. Landi, E., Valentini, F., Sprio, S., Tampieri, A., Tonelli, D. Apatite Lamellar Porous Scaffolds for Bone Substitution and Drug Release. **Proc. 11th CCT**, A. Ravaglioli e A. Krajewski (eds.), 2007: 202-205.
66. Tampieri, A., Sprio, S., Landi, E., Celotti, G., Sandri, M. Synthesis and properties of multisubstituted biomimetic apatites containing silicon. **Proc. 10th CCT**, A. Ravaglioli e A. Krajewski (eds.), 2006: 366-374.
67. Celotti, G., Sprio, S., Tampieri, A., Landi, E. Disordered fraction in apatites: amorphous or nanocrystalline? **Proc. 10th CCT**, A. Ravaglioli e A. Krajewski (eds.), 2006: 346-354.
68. Bertinetti, L., Martra, G., Coluccia, S., Bolis, V., Busco, C., Tampieri, A., Landi, E. Water in/on Nanosized Biomimetic Apatites: a Molecular View. **19th European Conference on Biomaterials**, 11-15 Sept 2005 Sorrento (Italy).
69. Sprio, S., Sandri, M., Landi, E., Celotti, G., Tampieri, A. Synthesis and characterization of differently co-substituted hydroxyapatite powders. **19th ESB**, Sorrento, Italy, 2005.
70. Sandri, M., Landi, E., Tampieri, A., Celotti, G., Sprio, S. Apatite/Alginate Biohybrid composites for biomedical applications. **IX Ecers**, Portorose (Slovenia), 2005.
71. Martorana S, Landi E, Piancastelli A, Meandri C, Celotti G, Sprio S, Tampieri A. B-carbonated hydroxyapatite porous scaffolds for bone substitution and drug delivery applications. **IX Ecers**, Portorose (Slovenia), 2005.
72. Landi E, Tampieri A, Celotti G, Mattioli Belmonte M, Logroscino G. Synthetic biomimetic nanostructured hydroxyapatite. **Proceedings Bioceramics 17**, 8-12 Dic. 2004 New Orleans.
73. Sprio S, Celotti G, Landi E, Tampieri A. Activation of hydroxyapatite crystal growth on the surface of biomimetic synthetic apatites through electrical polarization. **Proceedings Bioceramics 17**, 8-12 Dic. 2004 New Orleans.

74. Tampieri, A., Landi, E., Celotti, G., Sprio, S., Sandri, M., Martorana, S., Bertinetti, L. Biomimetism related to physico-chemical defects in apatites. Proc. **9th CCT**, A. Ravaglioli e A. Krajewski (eds.), 2004: 53-60.
75. Ma, S-C., Costa, A.L., Sandri, M., Landi, E., Ravaglioli, A., Sandri, M., Tampieri, A. "In vitro characterization of hydroxyapatite microparticles as gene carriers". Proc **9th CCT**, pp.425-432.
76. Celotti, G., Tampieri, A., Landi, E., Sprio, S. "Analysis of the surface activation in biomimetic apatites through electrical polarization". **Proc 9th CCT**, 2004, pp.408-415.
77. Landi, E., Tampieri, A., Sandri, M., Celotti, G. "Biohybrid HA/ALG composite as bone substitute with drug delivery function". Presented at **9th CCT**, 2004.
78. Sandri, M., Landi, E., Celotti, G., Tampieri, A., Logroscino, G. "Synthetic biomimetic nanostructured hydroxyapatite". **Nanocomposites 2004**, S. Francisco 1-3 Sept 2004.
79. Tampieri, A., Sandri, M., Landi, E., Celotti, G.. "Hybrid composites through bio-inspired nucleation of apatite on natural polymer". **Nanocomposites 2004**, S. Francisco 1-3 Sept 2004.
80. Tampieri, A., Landi, E., Sandri, M., Celotti, G., Logroscino, G. "Bio-Inspired and Bio-Templated Composites" **Nanoparticles, Nanostructures and Nanocomposites Ecers 2004** Topical Meeting, Saint Petersburg 5-7 July 2004.
81. Bertinetti, L., Tampieri, A., Landi, E., Sandri, M., Martra, G., Coluccia, S. "Biomaterials at nanoscale: morphology and surface structure of nanosized hydroxyapatite". **Nanoparticles, Nanostructures and Nanocomposites Ecers 2004** Topical Meeting, Saint Petersburg 5-7 July 2004.
82. Celotti, G., Tampieri, A., Landi, E., Sprio, S. "Surface activation of biomimetic synthetic apatites by electrical polarization". **Nanoparticles, Nanostructures and Nanocomposites Ecers 2004** Topical Meeting, Saint Petersburg 5-7 July 2004.
83. Tampieri, A., Celotti, G., Landi, E., Sandri, M. "Magnesium doped hydroxyapatite: synthesis and characterization". Proceedings **8th Ecers**, 2003, Istanbul-Turkey.
84. Celotti G, Landi E, Sandri M, Tampieri A. "New method to prepare natural-like carbonate apatite for bone replacement". Proceedings **8th Ecers**, 2003, Istanbul-Turkey.
85. Tampieri A., Celotti G., Landi E., Sandri M., Roveri N, Falini G. Biologically inspired synthesis of nanocomposites for bone tissue regeneration. Proceedings **8th Ecers**, 2003, Istanbul-Turkey.
86. Tampieri A, Celotti G, Sprio S, Rinaldi D. Synthesis and densification of variously doped MgB2 superconductor by HIP. **EUCAS 2003**, Sorrento (Italia), 14-18 Settembre 2003.
87. Tampieri, A., Celotti, G., Landi E., Logroscino, G., Lorini, G. "Proposta di un protocollo di idrossiapatite per riparazione ossea". **XV Congresso Nazionale Società italiana di biomeccanica in ortopedia e traumatologia: I sistemi complessi**. Rome May 2003.
88. Roveri, N., Palazzo, B., Sidoti, M.C., Tampieri, A., Celotti, G., Landi, E. "Controlled drug delivery from ceramic-polymeric composites". **8th CCT**, Faenza 18-21 March 2003.
89. Roveri, N., Palazzo, B., Sidoti, M.C., Tampieri, A., Celotti, G., Landi, E., Bertolazzi, L., Galbusera, F., Vena, P., Dubini, G., Contro, R. "Biomaterials with drug delivery function". **8th CCT**, Faenza 18-21 March 2003.
90. Tampieri, A., Celotti, G., Landi, E., Guicciardi, S., Roveri, N. "Hydroxyapatite for bone repair", **Atti conv. "Postura e protesi"**, A. Ravaglioli, M. Mazzocchi e A. Krajewski (eds.), 117-124 (2002).
91. Sprio S, Celotti G, Tampieri A, Caciuffo R, Rinaldi D. Synthesis and characterisation of MgB2 pure and doped with various elements. **CIMTEC 2002**-10th International Ceramic Congress & 3rd Forum on New Materials, Firenze, Italia, 14-18 Luglio 2002.
92. Tampieri, A., Celotti, G., Landi, E., Guicciardi, S., Roveri, N. Hydroxyapatite for bone repair. **Postura e protesi-Prevenzione e riabilitazione**, Faenza, 8-9 Marzo (2002), 117-124.
93. Celotti, G., Tampieri, A., Sprio, S.. Synthesis, densification and characterization of pure and doped MgB2 superconductor. **INFMeeting 2001**, Sez. D Simposio MgB2, Napoli 21 giugno (2002).

94. Landi, E., Orlandi, L., Spagna, G., Tampieri, A., Zaffaroni, N. Calcium phosphate ceramics as drug delivery system for anticancer therapy Proceedings **Bioceramics 13**, Bologna Nov.2000.
95. Celotti, G., Tampieri, A., Sprio, S., Mingazzini, C. "Synthetic hydroxyapatites: determination of stoichiometric deviations and improvement in their thermal stability", **VI EuroCeramics** (1999), Brighton, vol. 2: 557-558.
96. Tampieri, A., Celotti, G., Micheletti, C. "Synthesis of Hg-1223 superconductor by hot-isostatic pressing", **VI Euroceramics** (1999), Brighton, Vol. 1: 69-70
97. Tampieri A. "Fundamental aspects of superconductivity for applications" **5th Workshop organized by the Rete Europea SCENET**, 9-10 September 1998, Ravello, Italy
98. Tampieri, A., Celotti, G., Calestani, G. A multistep process to improve texturing and transport current in bulk (2223) BSCCO superconductors. **Applied Superconductivity Conference**, 13-18 Settembre 1998, Palm Desert, California (USA).
99. Pavese, F., Bianco, M., Tampieri, A., Itoh, M., Vanolo, M., Giraudi, D., Celotti, G., Mori, K. "Development of low-Jc applications of high-Tc superconductors based on extended thick films sprayed on metallic substrates with the HVOF technique", **ICMC 97** (1997), Portland.
100. Tampieri, A., Celotti, G., Calestani, G., Lesca, S. "New technology to improve texturing and transport current in bulk (2223) BSCCO superconductors", **V Euroceramics** (1997), Versailles, Vol. 2: 1247-1250.
101. Celotti, G., Tampieri, A., Micheletti, C., Dalle Fabbriche, D. "Synthesis of Hg-based superconductors by hot-isostatic pressing", **V Euroceramics** (1997) Versailles, Vol. 2: 1243-1246.
102. Tampieri, A., Celotti, G., Sprio, S. "Graded porosity ceramics made of hydroxyapatite- β tricalciumphosphate composite to substitute cortical-spongy bone", **IV Intern. Conf. On Composites Engineering** (1997) Big Island of Hawaii: 207-208.
103. Tampieri, A., Celotti, G. "Preparation and characterization of dense bulk high Tc superconductors", **Int. Conf. Teaching Sci. Cond. Matt. And New Mat.**, Udine, Aug. 1995: 332-336.
104. GRILLONE, M.D., RICCIARDIELLO, F.G., CELOTTI, G., TAMPIERI, A. "Preparation of reactive precursor for HgBa₂Can-1CunO_{2n+2}+ δ Superconductors", **Syntheses and Methodologies in Inorganic Chemistry** (1995) Bressanone, vol.5: 524-27.
105. TAMPIERI, A., CELOTTI, G., GUICCIARDI, S., MELANDRI, C. "Anisotropic properties characterization in bulk BSCCO superconductor", **Atti conv. Nuove Tecnol. Mater e loro applic. in campo navale** (1995), Livorno: 85-95.
106. SIBILIA, C., BERTOLOTI, M., RICCIARDIELLO, F.G., LIAKHOU, G., LIVOTI, R., TAMPIERI, A. "Room Temperature thermal diffusivity measurements on bulk and powder 2223 BSCCO superconductors", **4th ECerS Meeting**, Ottobre 1995, vol.6: 105-112.
107. BELLOSI, A., MALPEZZI, M.C., TAMPIERI, A. "Problems related to densification behaviour and microstructure development of MgO", **4th ECerS Meeting**, October 1995, vol. 2: 225-234.
108. TAMPIERI, A., CELOTTI, G., MAMMANA, E., BEZZI, G., LATORRETTA, T.M.G., MAGNANI, G. "Study of Sol Gel processes for BSCCO powders preparation", **4th ECerS Meeting**, October 1995, vol.6: 445-51.
109. TAMPIERI, A., CELOTTI, G., EL-TANTAWY, F., ROSSI, M. "Parameters influencing Bi-(2223) superconducting phase formation", **4th ECerS Meeting**, October 1995 vol.6: 313-22.
110. CELOTTI, G., TAMPIERI, A., LANDI, E., MASINI, R. "Alternative method to prepare bulk high Tc superconductor", **4th ECerS meeting**, October 1995, vol.6: 219-228.
111. TAMPIERI, A., CELOTTI, G., GUICCIARDI, S., MELANDRI, C. "Microstructural and mechanical characterization of bulk BSCCO(2223) superconductor", **IUMRS-International Conference on Electronic Material**, (1995) Hsinchu (Taiwan), vol.2: 337-82.

112. Tampieri, A., Celotti, G., Babini, G.N. "Preparation and densification of HTc (2223) phase superconductor", **IV Electroceramics**, (1994) Aachen, vol. 2: 1005-1008.
113. TAMPIERI, A., CELOTTI, G., BABINI, G.N. "Preparation and densification of BSCCO (2223) phase superconductor", presentato a **ELECTROCERAMICS IV**, Aachen Sept 1994 vol.2: 1005-1008.
114. TAMPIERI, A., MALPEZZI, C., SPARVIERI, N., FIORANI, D., TESTA, A.M. "Hot-forged high-Tc BSCCO superconductors", Presentato a **6th SATT** Maggio 1993.
115. TAMPIERI, A., BABINI, G.N., GUICCIARDI, S., MASINI, R. "Electrical and mechanical characterization of bulk BiSCCO superconductor", Presentato a **6th SATT** Maggio 1993
116. TAMPIERI, A., CELOTTI, G., MALPEZZI, M.C., MELANDRI, C. "Study on densification processes of Bi-based high Tc superconductor", **3rd ECerS Meeting**, (1993) vol. 2 667-72.
117. Tampieri, A., Celotti, G., Martinez, D., Piñol, S., Calleja, A., Puig, T., Sin, A., Obradors, X. Synthesis and densification of Hg- and Hg(Re)-1223 superconductors. **EUCAS 1999. 4th European Conference on Applied Superconductivity**, Sitges (Spagna), 14-17 Settembre 1999.
118. LANDI, E., BELLOSI, A., TAMPIERI, A. "Thermoanalytical technique applied to the study of aluminium nitride", **Atti del XIV Convegno Nazionale di Calorimetria ed Analisi Termica**, Udine, 13-17 Dicembre (1992): 213-217.
119. TAMPIERI, A. "Processing of Ceramics for superconducting powder generation", **Report NEDO-P-9171** Tokyo, Japan (1992):68.
120. TAMPIERI, A., BABINI, G.N. "Effect of powder nominal composition and Hot-pressing parameters on electrical properties BiPbSrCaCuO (2223) phase", Presentato al **5th SATT** Capri, Maggio 11-13 (1992).
121. BELLOSI, A., TAMPIERI, A., BABINI, G.N. "Some applications of thermal analysis to the study of advanced ceramics", Presentato al **XIII Convegno di Calorimetria e Analisi Termica CISI 91**, Chianciano 7-10 Ott. (1991): 22.
122. TAMPIERI, A., BABINI, G.N. "Densification of Bi_{1.8}Pb_{0.2}Sr₂Ca₂Cu₃O_x high Tc superconductor", Presentato a **2nd ECerS Meeting Augsburg**, Sept (1991) vol.3: 2251-56.
123. TAMPIERI, A., BIASINI, V., BELLOSI, A. "Oxidation of monolithic TiB₂ and of Al₂O₃-TiB₂ composite", Presentato a **2nd ECerS Meeting, Augsburg**, Sept. (1991), vol.2: 1407-11.
124. TAMPIERI, A. BELLOSI, A. "Studio del comportamento all'ossidazione di materiali ceramici: polveri di TiB₂ e di TiN e whiskers di SiC", Atti del **"XII Convegno Nazionale di Calorimetria e Analisi Termica"**, Università di Bari, (1990): 226-229.

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