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CECILIA BARTULI
Curriculum Vitae

Rome, November 24, 2020

ORCID ID 0000-0002-1480-7505
WOS RESEARCHERID: B-8869-2011
SCOPUS AUTHOR ID: 6701725431
PUBLONS ID: PUBLONS.COM/A/569892/

Part I – General Information

Full Name	Cecilia Bartuli
Date of Birth	
Place of Birth	
Citizenship	Italian
Permanent Address	
Mobile Phone Number	
E-mail	
Spoken Languages	Italian, English, French

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,…)
Licensure	1984	Liceo-Ginnasio M.Foscarini, Venezia, Italy	Maturità classica, 60/60
University graduation	1989	Università degli Studi di Padova	Chemical Engineering, Materials Curriculum, 110/110 *cum laude*
Post-graduate studies	1993	Drexel University, Philadelphia, PA, U.S.A.	Thermal Spray Independent Study Course

Part III – Appointments

IIIA – Main Career Appointments

Start	End	Institution	Position
2005	today	University of Rome "La Sapienza", Dept. Chemical Engineering Materials Environment	Associate Professor
2001	2005	University of Rome "La Sapienza", Faculty of Engineering	Assistant Professor (Ricercatore Confermato)
1993	2001	University of Rome "La Sapienza"	Technician (Funzionario Tecnico)
1990	1993	University of Rome "La Sapienza"	Technician (Collaboratore Tecnico)
1993	1993	Drexel University, "Center for Plasma Processing of Materials", Department of Materials Engineering, Philadelphia, PA, U.S.A.	Visiting Research Engineer (6 months)
1990	1990	Centro Sviluppo Materiali spa	*Post lauream* scholarship (10 months)

IIIB –Academic Appointments

Start	End	Institution	Position
2020	today	University of Rome "La Sapienza", "Consiglio Area Didattica Ingegneria Chimica e Materiali", Faculty of Civil & Industrial Engineering	Chair - "Presidente CAD"
2019	today	University of Rome "La Sapienza", Faculty of Civil & Industrial Engineering	Member of the Faculty Board
2019	today	University of Rome "La Sapienza", Department of Chemical Engineering Materials Environment	Member of the Department Board
2017	today	University of Rome "La Sapienza", Academic Council of Chemical & Materials Engineering, Faculty of Civil & Industrial Engineering	Member of the Council Board
2013	2017	University of Rome "La Sapienza", Monitoring Board, Faculty of Civil & Industrial Engineering	Member of the Monitoring Board
2011	2012	University of Rome "La Sapienza", Department of Chemical Engineering Materials Environment	Responsible for VQR activities for DICMA
2011	2013	University of Rome "La Sapienza", Faculty of Civil & Industrial Engineering, Research Evaluation Board	Member of the Research Evaluation Board
2008	2012	University of Rome "La Sapienza", Academic Council of Chemical & Materials Engineering, Faculty of Civil & Industrial Engineering	President of the Quality Committee
2004	2015	University of Rome "La Sapienza", PhD in Materials & Raw Materials Engineering	Vice-Coordinator
2012	2018	University of Rome "La Sapienza", PhD in Electrical, Materials and Nanotechnologies Engineering	Member of the PhD Council and Responsible for "Materials Engineering" Curriculum
2006	2019	University of Florence, Rome "Tor Vergata", Polytecnic of Milan	Member of final exam Committees for Materials Engineering PhDs

IIIB – Other Professional Appointments

Committees and Research Groups

Start	End	Institution	Position
2020	today	INSTM – National Interuniversity Consortium for Materials Science & Technology	Member of the Board and Directive Committee
2020	today	CISTeC -Research Center in Science % Technique for the Conservation of Historical and Architectural Heritage, University "La Sapienza".	Director (previously member of the Directive Committee, 2017)
2015	today	Ministry of Infrastructures and Transportation, "Commissione per le Funicolari Aeree e Terrestri"	Member of the FAT Committee

2006	today	MATRIS (Consortium of High Temperature Materials and Coatings)	Member of the Technical-Scientific Board
2006	2006	Municipality of Rome, Medieval and Modern Monuments	Member of the “Fountains” Committee
2001	2005	Ministry of Cultural Heritage, "NorMaL-Metals" Committee	Member
2001	2005	UNI –Ente Nazionale Italiano Unificazione, “UNI-Cultural Heritage- Metals" Committee	Member
1999	2007	European COST Action 521 “Corrosion of steel in reinforced concrete structures” & COST Action 534 “New Materials and Systems for Prestressed Concrete Structures	Participant

Research Evaluation

Start	End	Institution	Position
2010	2013	ANVUR, Research Evaluation VQR 2004-2010	Member of GEV 09 – Industrial & Information Engineering, SSD ING-IND/22
2010	2011	MIUR PON01 Ricerca Competitività 2007-2013	Vice-coordinator of the Evaluation Panel “Advanced Materials”
2010	2017	MIUR, PON01 Ricerca Competitività 2007-2013	Technical Scientific Expert
2011	2017	Regione Campania, Progetti MIUR Art.13	Technical Scientific Expert
2011	2012	Regione Lazio Progetti FILAS	Technical Scientific Expert
2015	2015	Regione Lombardia Progetti Ricerca	Technical Scientific Expert
2015	oggi	Regione Toscana Progetti Sviluppo Toscana	Technical Scientific Expert
2019	2019	Regione Puglia Progetti Ricerca	Technical Scientific Expert
2011	oggi	Provincia Autonoma di Trento, Progetti Ricerca	Technical Scientific Expert
2016	2016	Deutsche Forschungsgemeinschaft, German Research Foundation	Technical Scientific Expert
2000	2000	Israel Science Foundation.	Technical Scientific Expert

Editorial activity

Start	End	Institution	Position
2018	today	*Coatings* (MDPI)	Member of Editorial Board
2013	2016	*Journal of Coatings* (Hindawi)	Member of Editorial Board
2014	2020	*Journal of Advanced Thermal Science Research*	Member of Editorial Board
2009	2010	*The Open Civil Engineering Journal*	Member of Editorial Board
1995	today	42 International Peer-Reviewed Journals in the “Materials Science” Category	Reviewer of 235 papers, verified by Publons

Part IV – Teaching experience

University courses, Masters, Permanent Schools

Year	Institution	Lecture/Course
2011-2021	University of Rome “La Sapienza”	*Materiali* (8 CFU) Corso di Laurea in Ingegneria Chimica, Università "La Sapienza".
2019-2021	University of Rome “La Sapienza”	*Corrosion Engineering* (6 CFU), Corso di Laurea Magistrale in Ingegneria Chimica - Master in Chemical Engineering
2003-2019	University of Rome “La Sapienza”	*Corrosione e Protezione dei Materiali* (6 CFU), Corso di Laurea Magistrale in Ingegneria Chimica
2006-2012	University of Rome “La Sapienza”	*Durabilità dei Materiali* (6 CFU), Corso di Laurea Magistrale in Ingegneria Chimica
1999-2006	University of Rome “La Sapienza”	*Chimica e Tecnologia del Restauro e della Conservazione dei Materiali* (12 CFU), Corso di Laurea in Ingegneria Edile
1997-1998	University of Rome “La Sapienza”	*Elementi di Chimica Applicata e Tecnologia dei Materiali,* Corso di Diploma Universitario in Edilizia
2002-2005	University of Rome “La Sapienza”	*Durabilità e Metodologie di Conservazione,* Master Universitario di II Livello "Management dei Materiali e dei loro Sistemi Complessi"
2005-2006	University of Rome “La Sapienza”	*Determinazione dello Stato di Degrado delle Opere in Acciaio e Muratura,* Master Universitario di II Livello “Gestione & Manutenzione nella Valutazione di Impatto Ambientale degli Impianti e delle Opere Civili”
2013-2015	University of Rome “La Sapienza”	*Degrado, Corrosione e Protezione dei Materiali Metallici per gli Strumenti Musicali,* Corso di Alta Formazione “Materiali negli strumenti musicali”
2005-2009	Ministero per i Beni e le Attività Culturali	*Monitoraggio della corrosione di opere in bronzo esposte all'aperto e in interno,* Corso Quadriennale di Restauro, Istituto Centrale per il Restauro, Roma.
2009	Ministero per i Beni e le Attività Culturali	*Corrosione e protezione in situ di opere in lega di ferro immerse in acqua di mare*, Corso Quadriennale di Restauro, Istituto Centrale per il Restauro

Other (Seminars for post-lauream schools)

2009	Associazione Italiana Metallurgia	*Monitoraggio della corrosione e collaudo di interventi conservativi per opere in bronzo,* Scuola di Degrado e Protezione di Materiali Metallici di Interesse Storico, AIM, Ferrara, 17-19 Giugno 2009
2009	Università di Roma “La Sapienza”	*Monitoraggio della corrosione e collaudo di interventi conservativi per opere in bronzo,* Laurea in Scienze Applicate ai Beni Culturali e alla Diagnostica per la loro Conservazione, Aprile 2009
2008	AIMAT	*Rivestimenti protettivi per applicazioni tribologiche, XIV Scuola AIMAT: Materiali Innovativi e Nanotecnologie per il Made in Italy,*

		Ischia, Luglio 2008
2007	Associazione Italiana Metallurgia	*Monitoraggio della Corrosione e Collaudo di Interventi Conservativi per Opere in Bronzo,* Scuola di Degrado e Protezione di Materiali Metallici di Interesse Storico, Padova, 22-28 Settembre 2007
2004	AIMAT	*Impiego di tecniche di diagnostica strumentale per la valutazione dello stato di conservazione di leghe metalliche*, Scuola AIMAT di perfezionamento "Materiali nella Conservazione Edilizia", Cagliari, Giugno 2004
1998	Università “La Sapienza” di Roma	*Inquinamento atmosferico e corrosione dei metalli: la statua equestre di Marco Aurelio,* Corso di Perfezionamento in Tecniche Chimiche e Fisiche per il Controllo, la Conservazione e il Restauro dei Beni Culturali, 1998

Part V – Qualifications, awards and memberships

Year	Title
2017	National Scientific Qualification for Full Professor SC 09-D1 Materials Science & Technology
1994	Member of National Interuniversity Consortium for Materials Science & Technology i (INSTM), Area 1: "Advanced Mechanics, building, transportation".
1994	Member “Associazione Italiana di Ingegneria dei Materiali (AIMAT)”
1993-2005	Member of American Society of Materials
2007	“Donald Julius Groen Prize 2007” Institution of Mechanical Engineers, Structural Technology and Materials Group (STMG), for the paper “Advanced thermal spray coatings for tribological applications”, (C. Bartuli,T. Valente, F. Casadei, M.Tului), *Journal of Materials: Design and Application*, Proc. IMechE, Part L, 2007, 221, 175-185.
2018	Outstanding Reviewer Award for “Surface & Coatings Technology”, Elsevier
2017	Outstanding Reviewer Award for “Composites A”, Elsevier

Part VI - Funding Information

Grants as PI-principal investigator or I-investigator responsible for Research Unit

Year	Title	Program	Grant value
2018	ADAMO: Tecnologie di analisi, diagnostica e monitoraggio per la conservazione e il restauro dei beni culturali. **I: Responsible for Task** 4.4: "Analisi e diagnostica in-situ di manufatti metallici"	Regione Lazio, Distretto Tecnologico Beni e Attività Culturali DTC	€ 18.000 for DICMA
2018	"Caratterizzazione microstrutturale e analisi cristallografica avanzata di materiali policristallini mediante tecnica EBSD: Applicazioni nel campo dei rivestimenti protettivi e dei trattamenti superficiali". **PI**	Sapienza – Bandi di Ateneo per la ricerca - Acquisizione Medie Attrezzature	€ 75.000
2018	Finanziamento per "Workshop Young Materials and Surface Engineers (YMSE) **PI**	Sapienza – Bandi di Ateneo per la ricerca	€ 4.500
2011-2015	Attivita di R&S per messa a punto rivestimenti valvole motori marini **PI, Responsabile del progetto**	Fondi Industriali – Wartsila	€ 61.000
2009	"Meta-house: meta materiali per la realizzazione di sistemi per il contenimento e l'isolamento acustico in edilizia" **I, Co-Responsible**, Responsible for Sapienza Research Unit	INSTM-Regione Lombardia	€ 75.000 for Sapienza
2008	"Rivestimenti anti-usura da precursori nanostrutturati prodotti mediante termospruzzatura tradizionale e assistita da iniezione liquida" **PI**	Università "La Sapienza", Progetti Ateneo Federato della Scienza e della Tecnica (AST)	€ 4.100
2008	"Ordine-disordine e ossidazione in ossidi naturali e di sintesi: meccanismi, cinetiche e applicazioni" **I, Responsible for Research unit DICMA**	Sapienza – Bandi di Ateneo per la ricerca	€ 4000 for DICMA
2006	"Tecnologie e materiali innovativi per rivestimenti resistenti ... in ambienti altamente aggressivi e in infrastrutture civili" (ELCOMAT) **I: Responsible for task in Research unit** Roma La Sapienza – Consorzio MATRIS per l'attività di ricerca nell'ambito del Task: "Meccanismi di corrosione, metodi di protezione e prevenzione in reti di trasporto energetico; Modulo 2:–Individuazione di nuove soluzioni in termini di materiali metallici resistenti alla corrosione indotta da agenti atmosferici"	MIUR D.M. 24016	€ 164.000 for Sapienza
2006	"Scaffolds nanostrutturati organici, inorganici e ibridi per la medicina rigenerativa" **I: Responsible for Sapienza Research unit**	PRIN 2006	€ 29.300
2006	"Caratterizzazione meccanica e funzionale di solidi cellulari ceramici", **PI**	Università La Sapienza, Facoltà di Ingegneria	€ 2.450

2005	"Celle a combustibile: sviluppo di nuovi materiali per SOFC" I: Responsible for a task in Research unit Roma La Sapienza – Consorzio INSTM	MIUR Progetti FISR	€ 134.268 for Sapienza
2005	"Sviluppo di nuovi materiali ceramici cellulari attraverso tecnologia gel-casting: ottimizzazione del processo di produzione e simulazione funzionale della microstruttura" I: Responsible for Sapienza Research unit	INSTM Progetti PRISMA	€ 28.000 for Sapienza
1999-2000	"Evaluation of the effect of hydrophobic treatments on corrosion resistance of steel in carbonated concrete in historical buildings and structures" I: Responsible for the task	European COST Action 521: Corrosion of steel in reinforced concrete structures	

Other Grants as I-investigator

Year	Title	Program
2019	"TecHnology And materials for safe Low consumption And low life cycle cost veSSels And crafts-THALASSA	MIUR Progetti PON
2018	SISMI - Tecnologie per il miglioramento della Sicurezza e la rIcostruzione dei centri Storici in area sisMIca (SISMI)	Distretto Tecnologico Beni e Attività Culturali DTC Regione Lazio
2018	"Caratterizzazione orientata al riciclo di circuiti stampati provenienti da scarti di apparecchiature elettriche ed elettroniche mediante analisi in microfluorescenza a raggi X e analisi d'immagine iperspettrale",	Sapienza – Bandi di Ateneo per la ricerca
2018	"Additive Manufacturing e automazione processo per materiali Ibridi e Compositi - AMICO	MIUR Progetti PON
2017	"Sviluppo e caratterizzazione di depositi di Nichel Chimico"	Galileo funding program (Ministero Sviluppo Economico-Regione Toscana-GE Oil&gas)(Subcontractor of Nuovo Pignone Tecnologie Srl)
2016	Mo.N.S.T.E.R. (Modified Ni-based Surface Treatments for Enhanced Resistance) "Rivestimenti base Electroless Ni-P per applicazioni nel settore Oil&Gas"	Funded by Nuovo Pignone Tecnologie Srl.
2017	"FIT4RRI" Fostering Improved Training Tools for Responsible Research & Innovation	Horizon 2020
2016	"Using coffee by-products as functional low-cost fillers for the production of new biodegradable materials"	Sapienza – Bandi di Ateneo per la ricerca
2015	"Messa a punto di metodologie e sistemi per la realizzazione di componentistica speciale per applicazioni aerospaziali (MANUSPACE)"	Regione Lazio
2015	"3D prototyping: additive manufacturing technologies and applications from micro to macro scales Macchina Selective Laser Sintering/Melting, macchina nano-fotopolimerizzazione e macchina concept modeler"	Università "La Sapienza", Grandi Attrezzature Scientifiche,
2008	""Textile-NanoTech: Studio e modellizzazione delle proprietà di tessuti nanofunzionalizzati"	MIUR Progetti PRIN
2007	TRIAL "Tecnologie e materiali innovativi per rivestimenti resistenti all'ossidazione ad elevata temperatura per componenti aerospaziali ad altissime prestazioni"	MIUR art.12 DM n.593/2000, progetti di Ricerca e Sviluppo Precompetitivo

2006-7	"Modifications to grouts to improve performance: Inhibitors"	COST 534: New materials, systems, methods and concepts for durable prestressed concrete structures
2005	Progetto Integrato NANOKER (Structural ceramic nanocomposites for top end functional applications) I: Responsible for the task "Sviluppo di un Sistema di Deposizione APS assistito da Iniezione Liquida", WP5 "Surface functionality and composites" e SP10 "Aeroengines", anno 2005.	UE, NoE - Network of Excellence
2000	"Rivestimenti Ceramici per Applicazioni in Condizioni Estreme di Temperatura", Consiglio Nazionale delle Ricerche, Agenzia 2000	CNR Agenzia 2000
1998	"Materiali Speciali per Tecnologie Avanzate II, Sottoprogetto SP1: Materiali Ceramici e Metallici, relativi Compositi - Tematica I.2. - Linea di Ricerca 1.2.3.: Compositi a Matrice Metallica. Titolo della Ricerca: "Sviluppo di Materiali Compositi a Matrice Metallica e Metodi di lavorazione"	MIUR, Legge n.449/97, Progetti Finalizzati

Part VII – Research Activities

Keywords	Short Description
Surface Engineering	• Study of the effect of the deposition temperature on the properties of ceramic coatings of ZrO2 stabilized with Y2O3 and Y2O3 – CeO2 used as thermal barriers (in collaboration with *CEA - Commissariat à Energie Atomique, France & Centro Sviluppo Materiali, Roma*)
	• Laser treatments of thermal barrier coatings (in collaboration with *Baikov Metallurgy Institute, Moscow, Russia*).
	• Production of ZrB2-SiC composite coatings for heat shield applications on aerospace vehicles (in collaboration with *Centro Sviluppo Materiali, Roma*)
	• SHS (self-propagating high tempertature synthesis) production of ceramic powders for thermal spray applications (in collaboration with *Center for Plasma Processing of Materials, Department of Materials Engineering, Drexel University, Philadelphia, PA* & *Exotherm Corporation, Camden, NJ, USA*).
	• Production of wear resistant coatings of the Cr3C2-Ni Cr type by APS and HVOF (in collaboration with *Central University of Venezuela, Sheffield Hallam University, UK, University of Science and Technology of Lille, France*).
	• Production of wear resistant TiN-Ti and CrxCyNz-Ni Cr composite coatings by Reactive Plasma Spray.
	• Production of nanostructured composite WC-Co coatings by HVOF spraying.
	• Oxide-base plasma spray ceramic coatings (CaO-SiO2-ZrO2 ternary glass-ceramic systems) containing nanophases through devitrifying heat treatments (in collaboration with *Università di Modena e Reggio Emilia*).
	• Implementation of finite element calculation methods integrated by experimental measurement by hole drilling of residual stresses in ceramic coatings obtained by plasma spray (in collaboration with *Università di Roma Tre*).
	• Oxide-based plasma spray ceramic coatings (Al2O3-TiO2 and ZrO2-Y2O3) containing nanophases from nano-structured precursors.
	• Graphite-containing self-lubricating coatings deposited by plasma spray.
	• Electromagnetic and mechanical properties of silica - mullite composite coatings.
	• Design and manufacture of surface coatings for the protection of mechanical components for marine engines (in collaboration with *Wärtsilä Italia and Finlandia*).
	• Development of complex coating architectures for the protection of turbine blades from hot corrosion.
	• Development of electroless nickel-phosphorus coatings to protect natural gas compressors from fouling (with *GE Nuovo Pignone*).
	• Design, production and optimization of carbon-phenolic composite systems with nanometric ceramic reinforcements for the thermal protection of re-entry aircraft for space missions.
	• Thick anti-reflective coatings based on silicon oxide and titanium using the sol-gel technique (in collaborazione con *Riga Polytecnical Institute*, Russia)
	• Deposition of thick diamond and diamond-like films by plasma spraying.
	• Vickers microhardness measurements of HfC thin films (600-900 nm) deposited on silicon substrates by pulsed laser ablation (PLAD) (in collaboration with the *Russian Academy of Sciences, Institute of Physical Chemistry of Ceramics*).

Diagnostic Techniques for Cultural Heritage	Development and application of innovative diagnostic techniques in the field of conservation of cultural heritage. Evaluation of the corrosion rate of copper alloys (bronze and brass), covered with natural patinas and artificial protective coatings, by measuring the polarization resistance. Application in the following projects:
	• Evaluation of the state of decay and possible interventions for the protection of the equestrian monument of Marcus Aurelius in Rome.
	• Development of techniques for the scheduled maintenance of modern statues belonging to the Peggy Guggenheim Collection in Venice.
	• Feasibility projects for field interventions aimed at the conservation of various bronze monuments: Colossus of Barletta, Geraldillo of Seville, Porta degli Angeli of the Cathedral of Orvieto, the support structure of Francesco Messina's "Dying Horse" at the RAI headquarters.
	• Technical testing of the restoration (completed in December 2006) of the Equestrian Monument to Bartolomeo Colleoni (A. Verrocchio, Venice, 1496), in collaboration with the *Central Institute for Restoration*.
	Development of a procedure for in situ cathodic protection of submerged marine finds (cast iron cannons dating back to the 18th century, lying on the seabed off the island of Marettimo, TP), in collaboration with the *Soprintendenza del Mare, Regione Sicilia and Central Institute for Restoration*.
	Evaluation of corrosion of metal materials exposed to atmospheric action: (light poles; durability of historic buildings in reinforced concrete).

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	**59**	**Scopus**	**1991**	**2020**
Papers [international]	(6)	Non indexed	2010	2016
Conference Papers [international]	(25)	Non indexed	1991	2017
Papers [national]	(8)	Non indexed	1995	2002
Chapters in books [national]	(2)	Non indexed	2001	2013

Total Impact Factor (WoS)	71,638
Total Impact Factor (WoS) (with IF for missing years = IF for closest available year)	80,506
Average Impact Factor per product	1,214
Average Impact Factor per product (with IF for missing years = IF for closest available year)	1,365
Total Citations (Scopus)	1011
Average Citations per Product	17
Hirsch (H) index	18
H index normalized for academic seniority	0,6

For the calculation of the above indices please refer to the attached file "**Calcolo degli indici bibliometrici.xls**"

Part IX– Selected Publications

(Scopus, EXPORT DATE: 18 Nov 2020)

1. Paglia, L., Genova, V., Bracciale, M.P., Bartuli, C., Marra, F., Natali, M., Pulci, G.
   Thermochemical characterization of polybenzimidazole with and without nano-ZrO_2 for ablative materials application
   (2020) *Journal of Thermal Analysis and Calorimetry*, 142 (5), pp. 2149-2161.
   DOI: 10.1007/s10973-020-10343-4
   (IF=2.731, Cit 0)

2. Paglia, L., Genova, V., Marra, F., Bracciale, M.P., Bartuli, C., Valente, T., Pulci, G.
   Manufacturing, thermochemical characterization and ablative performance evaluation of carbon-phenolic ablative material with nano-Al_2O_3 addition
   (2019) *Polymer Degradation and Stability*, 169, art. no. 108979.
   DOI: 10.1016/j.polymdegradstab.2019.108979
   (IF=4.032, Cit 6)

3. Baiamonte, L., Tului, M., Bartuli, C., Marini, D., Marino, A., Menchetti, F., Pileggi, R., Pulci, G., Marra, F.
   Tribological and high-temperature mechanical characterization of cold sprayed and PTA-deposited Stellite coatings
   (2019) *Surface and Coatings Technology*, 371, pp. 322-332.
   DOI: 10.1016/j.surfcoat.2019.04.032
   (IF=3.784, Cit 6)

4. Genova, V., Paglia, L., Marra, F., Bartuli, C., Pulci, G.
   Pure thick nickel coating obtained by electroless plating: Surface characterization and wetting properties
   (2019) *Surface and Coatings Technology*, 357, pp. 595-603.
   DOI: 10.1016/j.surfcoat.2018.10.049
   (IF=3.784, Cit 9)

5. Pulci, G., Paglia, L., Genova, V., Bartuli, C., Valente, T., Marra, F.
   Low density ablative materials modified by nanoparticles addition: Manufacturing and characterization
   (2018) *Composites Part A: Applied Science and Manufacturing*, 109, pp. 330-337.
   DOI: 10.1016/j.compositesa.2018.03.025
   (IF=6.282, Cit 14)

6. Baiamonte, L., Marra, F., Gazzola, S., Giovanetto, P., Bartuli, C., Valente, T., Pulci, G.
   Thermal sprayed coatings for hot corrosion protection of exhaust valves in naval Diesel engines
   (2016) *Surface and Coatings Technology*, 295, pp. 78-87.
   DOI: 10.1016/j.surfcoat.2015.10.072
   (IF=2.589, Cit 20)

7. Paglia, L., Tirillò, J., Marra, F., Bartuli, C., Simone, A., Valente, T., Pulci, G.
   Carbon-phenolic ablative materials for re-entry space vehicles: Plasma wind tunnel test and finite element modeling
   (2016) *Materials and Design*, 90, pp. 1170-1180.
   DOI: 10.1016/j.matdes.2015.11.066
   (IF=4.364, Cit 34)

8. Baiamonte, L., Marra, F., Pulci, G., Tirillò, J., Sarasini, F., Bartuli, C., Valente, T.
   High temperature mechanical characterization of plasma-sprayed zirconia-yttria from conventional and nanostructured powders
   (2015) *Surface and Coatings Technology*, 277, pp. 289-298.
   DOI: 10.1016/j.surfcoat.2015.07.071
   (IF=2.139, Cit 23)

9. Pulci, G., Tirillò, J., Marra, F., Sarasini, F., Bellucci, A., Valente, T., Bartuli, C.
   High temperature oxidation of MCrAlY coatings modified by Al_2O_3 PVD overlay

(2015) *Surface and Coatings Technology*, 268, pp. 198-204.
DOI: 10.1016/j.surfcoat.2014.09.048
(IF=2.139, Cit 26)

10. Pulci, G., Tirillò, J., Marra, F., Sarasini, F., Bellucci, A., Valente, T., Bartuli, C.
High temperature oxidation and microstructural evolution of modified MCrAly coatings
(2014) *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, 45 (3), pp. 1401-1408.
DOI: 10.1007/s11661-013-2086-z
(IF=1.730, Cit 18)

11. Pulci, G., Tirillò, J., Marra, F., Fossati, F., Bartuli, C., Valente, T.
Carbon-phenolic ablative materials for re-entry space vehicles: Manufacturing and properties
(2010) *Composites Part A: Applied Science and Manufacturing*, 41 (10), pp. 1483-1490.
DOI: 10.1016/j.compositesa.2010.06.010
(IF=2.349, Cit 121)

12. Bartuli, C., Bemporad, E., Tulliani, J.M., Tirillò, J., Pulci, G., Sebastiani, M.
Mechanical properties of cellular ceramics obtained by gel casting: Characterization and modeling
(2009) *Journal of the European Ceramic Society*, 29 (14), pp. 2979-2989.
DOI: 10.1016/j.jeurceramsoc.2009.04.035
(IF=2.090, Cit 28)

13. Bartuli, C., Cipri, F., Valente, T.
Thermal spraying and the fabrication of coatings with tailored electromagnetic properties
(2008) *Inorganica Chimica Acta*, 361 (14-15), pp. 4077-4088.
DOI: 10.1016/j.ica.2008.03.063
(IF=1.940, Cit 16)

14. Bolelli, G., Cannillo, V., Lusvarghi, L., Manfredini, T., Siligardi, C., Bartuli, C., Loreto, A., Valente, T.
Plasma-sprayed glass-ceramic coatings on ceramic tiles: Microstructure, chemical resistance and mechanical properties
(2005) *Journal of the European Ceramic Society*, 25 (11), pp. 1835-1853.
DOI: 10.1016/j.jeurceramsoc.2004.06.018
(IF=1.567, Cit 52)

15. Bartuli, C., Valente, T., Cipri, F., Bemporad, E., Tului, M.
Parametric study of an HVOF process for the deposition of nanostructured WC-Co coatings
(2005) *Journal of Thermal Spray Technology*, 14 (2), pp. 187-195.
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