Maria Paola Bracciale
Curriculum Vitae ai fini della pubblicazione

Part I – General Information

Full Name	Maria Paola Bracciale
Scopus Author ID	55252809300
ORCID	0000-0002-3863-1188

Part II – Education

Type	Year	Institution	Notes
PhD in Materials and Raw Materials Engineering (26° cycle)	2014	Sapienza University of Rome - Department of Chemical Engineering, Materials and Environment	Dissertation: *Development and optimization of Eco-Friendly systems for the durability of building materials: salt crystallization inhibitors* Grade: Ottimo Supervisor: Prof. M.L. Santarelli Co-supervisor: Prof. A. Marrocchi (University of Perugia)
Master Degree in Applied Sciences for the Conservation of Cultural Heritage	2010	Sapienza University of Rome - Faculty of Mathematical, Natural and Physical Sciences	Chemical-physical Curriculum Dissertation: *Modeling and simulation of the sulphation process of stone surfaces* Grade: 110/110 *cum laude* Supervisor: Prof. M.L. Santarelli Co-supervisor: Prof. R. Natalini (IAC-CNR)

Part III – Appointments

III A – Academic Appointments

Start	End	Institution	Position
16/10/2023	16/10/2034	Ministry of University and Research (MUR)	National Scientific qualification as Associate Professor in the Italian higher education system for the disciplinary field of 09/D3

			- Chemical plants and technologies (Academic Recruitment Field 09/D - Chemical and materials engineering, according to the national classification): GSD 09/D3 SSD ING-IND/27 - INDUSTRIAL AND TECHNOLOGICAL CHEMISTRY (D.M. 855/2015), converted into GSD 09/ICHI-02 SSD ICHI-02/B - INDUSTRIAL AND TECHNOLOGICAL CHEMISTRY (D.M. n. 639/2024)
01/10/2019	30/09/2024	Sapienza University of Rome - Department of Chemical Engineering, Materials Environment	Fixed-term researcher type A, art. 24 c.3-a L. 240/10 (full-time): GSD 09/D3 SSD ING-IND/27 (D.M. 855/2015) converted into GSD 09/ICHI-02 SSD ICHI-02/B (D.M. n. 639/2024)
01/08/2014	31/07/2019	Sapienza University of Rome - Department of Chemical Engineering, Materials Environment	Research Fellow cat. B)-type II: GSD 09/D3 SSD ING-IND/27 (D.M. 855/2015) converted into GSD 09/ICHI-02 SSD ICHI-02/B (D.M. n. 639/2024)
07/01/2014	07/07/2014	CISTeC-Center for Research, Science and Technology for the Conservation of the Historical-Architectural Heritage-Sapienza University of Rome - Department of Chemical Engineering, Materials Environment	Research Collaborator (co.co.co) for the Project "Study of replacement systems for the cement layer of one of the mosaics of the peristyle of the Roman Villa of Silin (Libya)"
01/10/2009	31/10/2009	Sapienza University of Rome - Department of Chemical Engineering, Materials Environment	Occasional professional service for the execution of 60 PAH analyses on samples collected from conglomerate production sites.

III B – Other Appointments

Start	End	Institution	Position
02/09/2019	30/09/2019	INSTM-National Interuniversity Consortium of Materials Science and Technology	Research Collaborator (ex art. 2222 c.c., art. 50 c-bis e ss. dpr 917/86, art. 409 c.p.c and subsequent art. 2 dlgs 81/2015) for the Project "Nano-materials and composites for the extrusion of multi-layer tubes in advanced applications related to environmental sustainability (NANOMATUBAM)
27/09/2013	31/10/2013	Northwestern University (Evanston, IL) – Department of Chemistry	Pre-Doctoral visiting Scholar in the research group of Prof. T.J. Marks. Research activity on the topic *Realization and characterization of*

OFET and OPV devices

Part IV – Teaching experience

IV A – Master and Advanced Courses/Lectures

Year	Institution	Course
2023-2024	Sapienza University of Rome – Latina. Master's Degree in Green Industrial Engineering for Sustainable Development (LM-26, Code 32342)	Green chemical processes for farmaceutical and agrofood industries (9 CFU; GSD 09/D3 SSD ING-IND/27 (D.M. 855/2015) converted into GSD 09/ICHI-02 SSD ICHI-02/B (D.M. n. 639/2024)).

Year	Institution	Course
2023-2024 2021-2022 2020-2021	Sapienza University of Rome – Rome, San Pietro in Vincoli university pole. Master's Degree in Chemical Engineering (LM-22, Code 30426)_Chemical Engineering Materials Curriculum	Polymerization Processes (3 CFU; GSD 09/D3 SSD ING-IND/27 (D.M. 855/2015) converted into GSD 09/ICHI-02 SSD ICHI-02/B (D.M. n. 639/2024))

Year	Institution	Lecture
2022	Baku Higher Oil School (Azerbajian).	Teaching appointment in the advanced course on "Environmental Remediation and Oil and Gas Sustainable Extraction" delivered as part of the Erasmus+ CBHE ITACA project. *Module 4: Separation Technologies* - 8 hours on "Introduction to adsorption"

Year	Institution	Lecture
2018-2019 2017-2018 2016-2017 2015-2016	University of Perugia – Department of Chemistry, Biology and Biotechnology. Master's Degree in Molecular and Industrial Biotechnology (LM-8, Code A003501)_Biocompatible materials for biotechnological applications Module	*Techniques for the analysis of the surface structure, morphology, and topography of biomaterials* (CHIM/06)

IV B – Bachelor Courses/Lectures

Year	Institution	Course
2023-2024 2022-2023 2021-2022 2020-2021	Sapienza University of Rome – Rome, San Pietro in Vincoli university pole. Bachelor's Degree in Chemical Engineering (L-9, Code 29907)	Industrial Chemical Processes (3 CFU; GSD 09/D3 SSD ING-IND/27 (D.M. 855/2015) converted into GSD 09/ICHI-02 SSD ICHI-02/B (D.M. n. 639/2024))

Year	Institution	Course
2019-2020	Sapienza University of Rome – Rieti. Bachelor's Degree in "Sustainable Building Engineering" (L-23, Code 30425)	Pre-course in "Chemistry elements" (20 hours, ING-IND/22)

IV C – PhD Courses

Year	Institution	Course
2020-2021	Sapienza University of Rome – Department of Chemical Engineering, Materials Environment. PhD course in Chemical Processes for Industry and Environment	*Polymer processing and application in the preservation of monuments*, as part of the module on "Polymeric materials for applications in electrochemistry, food and cultural heritage" (4 CFU, GSD 09/ICHI-02 SSD ICHI-02/B; ex GSD 09/D3 SSD ING-IND/27)

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

VI A – European Union's program

Year	Title	Program	Role	Grant value
2022-2025	Innovative technologies for the production of clean H_2 without CO_2 emissions – TIPIC Project Code RSH2A_000036	Inv. 3.5 "Hydrogen Research and Development", Miss. 2 "Green Revolution and Ecological Transition", Comp. 2 "Renewable energy, hydrogen and local sustainable mobility" of PNRR, funded by European Union – Next Generation EU	I	
2020-2023	WP5 – Laboratory Raman measurements and data simulations_ BLUEBrillouin – backscatter – fluorescence LIDAR research for Underwater Exploration of marine litter project	Discovery Element of the European Space Agency's Basic Activities, grant number 4000132184/20/NL/GLC	I	

VI B – Italian Research Agencies

Year	Title	Program	Role	Grant value
2023-2025	Food packaging: towards new biodegradable antibacterial solutions for longer shelf life and healthier food.	Progetto Medio di Ateneo funded by Sapienza University of Rome	I	
2021-2023	SMART-SURFACE: Super hydrophobic, antimicrobial and self-cleaning nano-systems for the protection of porous surfaces	Progetto Medio di Ateneo funded by Sapienza University of Rome	I	
2021-2022	Testing the effects of SARS-CoV-2 inhibiting UV light on Cultural Heritage materials and developing safe UV/White Light IoT lightening system with App – ICARO Project Code FISR2020IP_03917	Special Supplementary Fund for Research (FISR) 2020 COVID – PE_ Physics and Engineering area – funded by MUR	Co-PI	
2020-2022	Molecular firefighting-towards halogen-free bioderived flame-retardant phosphorus additives for polymeric systems.	Progetto Medio di Ateneo funded by Sapienza University of Rome	PI	
2020-2022	Task 1 – Define status of aggression by pollution on CH	ARTES BASS program cofinanced by ESA and ASI within the joint initiative	I	

	surfaces; Task 2 – Modelling of the future evolution of pollution aggression within WP 4700 – Results Analysis and Modelling _POMERIUM project	Space for L'ART (L'Aquila, Rome, Turin).		
2020-2022	Thermo-cavitative technology for the production of bio-oil – T-CAVBIO project	POR FESR 2014-2020, Research Group Projects 2020, number A0375-2020-36690, funded by Regione Lazio	I	
2019-2020	WP3 – Establishment of Best Available Techniques (BAT) for Plastic Materials; WP5 – Material characterization from recovery processes; WP6 – Validation of materials for green battery production_ CIRCULAR ECONOMY: Recovery of plastics and wood with green technologies – ECORETE-GREEN project	POR FESR LAZIO 2014-2020, Strategic Projects, DG G04052, funded by Lazio Innova S.p.A.	I	

VI C – Public or private Institutions

Year	Title	Company/Institution	Role	Grant value
2023	Purificazione di oli vegetali mediante idrolisi e adsorbimento	NextChem S.p.A.	Co-PI	
2023	Produzione di dimetil maleato e sua idrogenazione a dimetil succinato	Conser S.p.A.	Co-PI	
2022	Sviluppo e testing di malte e rivestimenti nanostrutturati e compositi nel campo del restauro – Lotto 2, per le esigenze del Progetto P.O. FESR SICILIA 2014/2020 "SMART-ART" – Project Code 082030000276	Department of Engineering, University of Messina	I	
2015	Studio relativo all'impiego di nanotecnologie e nanomateriali per il recupero e la conservazione dei beni culturali e la partecipazione ad un evento di presentazione dei risultati.	INNOVA FVG Consortium	I	

Part VII – Results obtained by technology transfer [participation in the creation of spin-offs or start-ups, and in the development, use and transfer of patents]

Year	Type	Authors	Description
2017	International patent (WO2017125388A1, 27.07.2017)	Bracciale M.P, Broggi A., Chandraiahgari C.R., De Bellis G.	"Coating Composition with Antimicrobial and Antisaline Acitivity, and Process for the Preparation Thereof". (Patent Sapienza University of Rome – University of Perugia)

Santarelli M. L., Sarto M. S., Uccelletti D., Zanni E., Marrocchi A.

Part VIII – Research Activities

Keywords	Brief Description
Hydrothermal Liquefaction (HTL)	Investigation and optimization of the thermochemical conversion of waste biomass (P1; P9; P11) to improve the yield and quality of bio-crude oil, exploing the metallic-based materials (Fe, Zn) for in-situ active hydrogen production through redox reaction with water. This approach promotes oxygen removal through hydrodeoxygenation reactions and prevents the repolymerization of unstable short-chain products during the reaction, which typically leads to lower bio-crude yields. Furthermore, the study of synergic effect between Fe, acting as a hydrogen producer, and Al_2O_3-supported Ni, as hydrogenation catalyst, significantly boosts bio-crude yield and quality. This improvement results in a product that could serve as an ideal precursor for producing bio-synthetic fuels and green chemical compounds (P7).
Plastic waste	Hydrothermal treatment for the chemical recycling of plastic waste (P2; P5) to explore a sustainable method for disposal and potentially recover raw chemicals for reuse or to produce valuable products.
	Bioplastic waste (Mater-Bi® and PLA), a significant component of municipal solid waste, was also studied through lab-scale anaerobic degradability tests under thermophilic and mesophilic conditions. The research aimed to assess the relationship between physical, chemical, and morphological characteristics and the potential for materials and energy recovery (P3; P6).
H_2 production	Hydrogen production by chemical looping (CLH) for the production of pure hydrogen stream suitable for direct use into (PEMFCs), exploiting the redox properties of Fe and bioethanol as renewable reductant. The studies focused on employing different structural promoters (Al_2O_3, MgO, CeO_2) to improve the low thermal stability of iron oxides, which leads to decay of iron reactivity in consecutive redox cycles due to aggregation phenomena (P4; P8; P10).
Production of clean syngas	Investigation of synthetic routes to produce Ni/mayenite catalysts for the steam reforming of toluene and pyrocatechol - a model tar compounds - in a fixed-bed lab-scale atmospheric reactor, evaluating carbon conversion, hydrogen selectivity, and catalyst stability (P12).

Part IX – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	79	Scopus (last access 17/08/2024)	2012	2024
Conference Papers [international]	11	Scopus (last access 17/08/2024)	2013	2023
Book Chapters [scientific]	2	Scopus (last access 17/08/2024)	2022	2022

Total products	92	Scopus (last access 17/08/2024)	2012	2024

Total Impact factor[a]	334.749
Average Impact factor[b]	4.237 (=334.749/79 papers)
Total Citations[c]	1192 (Scopus last access 17/08/2024)
Average Citations per Product	12.957 (=1192/92)
Hirsch (H) index[c]	19 (Scopus last access 17/08/2024)
Normalized H index*	1.461 (= 19/12 years from first publication)

[a] IF at the year of publication (Journal Citation Report of Clarivate-Web of Science)
[b] Average IF at the year of publication (Journal Citation of Clarivate-Web of Science)
[c] Scopus Author ID: 55252809300
***** H index divided by the academic seniority (12 years from first publication).

Part X– Selected Publications

List of the publications selected for the evaluation.
For each publication year, title, authors, reference data, journal IF at the year of publication (Journal Citation Report of Clarivate-Web of Science), citations (Scopus database at 17/08/2024), quartile at the year of publication (Scimago), are reported.

	Year	Title	Authors	Reference data	IF	Citations	Quartile
P1	2024	Red mud as hydrogen producer in hydrothermal liquefaction of pinewood: Minimization of process wastes by recycling the water and hydrochar phases	Damizia M., Bracciale M.P.*, Mousavi S.*, Tai L., De Filippis P., de Caprariis B.	Renewable Energy, 2024, 232, 121139 DOI: 10.1016/j.renene.2024.121139	9	0	Q1
P2	2024	Chemical Recycling of Cellulose Acetate Eyewear Industry Waste by Hydrothermal Treatment	Bracciale M.P., de Caprariis B.*, Musivand S.*, Damizia M., De Filippis P.	Industrial and Engineering Chemistry Research, 2024, 63(12), pp. 5078–5088 DOI: 10.1021/acs.iecr.3c04162	3.8	1	Q1
P3	2024	Disposable Mater-Bi® bioplastic tableware: Characterization and assessment of anaerobic biodegradability	Bracciale M.P., De Gioannis G., Falzarano M.*, Muntoni A., Polettini A., Pomi R., Rossi A., Sarasini F., Tirillò J., Zonfa T.	Fuel, 2024, 355, 129361 DOI: 10.1016/j.fuel.2023.129361	6.7	5	Q1
P4	2023	Efficient	Damizia M.,	International Journal of	8.1	5	Q1

		utilization of Al_2O_3 as structural promoter of Fe into 2 and 3 steps chemical looping hydrogen process: Pure H_2 production from ethanol	Bracciale M.P.*, Anania F., Tai L., De Filippis P., de Caprariis B.	Hydrogen Energy, 2023, 48(99), pp. 39112–39123 DOI: 10.1016/j.ijhydene.2023.04.067			
P5	2023	Viable Recycling of Polystyrene via Hydrothermal Liquefaction and Pyrolysis	Musivand S., Bracciale M.P.*, Damizia M.*, De Filippis P., de Caprariis B.	Energies, 2023, 16(13), 4917 DOI: 10.3390/en16134917	3.0	2	Q2
P6	2023	Anaerobic biodegradation of disposable PLA-based products: Assessing the correlation with physical, chemical and microstructural properties	Bracciale M.P., De Gioannis G., Falzarano M.*, Muntoni A., Polettini A., Pomi R., Rossi A., Sarasini F., Tirillò J., Zonfa T.	Journal of Hazardous Materials, 452, 131244 DOI: 10.1016/j.jhazmat.2023.131244	12.2	8	Q1
P7	2023	Catalytic Hydrothermal Liquefaction of Brachychiton populneus Biomass for the Production of High-Value Bio-Crude	Eladnani I., Bracciale M.P.*, Damizia M.*, Mousavi S., De Filippis P., Lakhmiri R., de Caprariis B.	Processes, 2023, 11(2), 324 DOI: 10.3390/pr11020324	2.8	4	Q2
P8	2022	Clean Syngas and Hydrogen Co-Production by Gasification and Chemical Looping Hydrogen Process Using MgO-Doped Fe_2O_3 as Redox Material	Bracciale M.P., Damizia M.*, De Filippis P., de Caprariis B.	Catalysts, 2022, 12(10), 1273 DOI: 10.3390/catal12101273	3.9	6	Q2
P9	2021	Effect of Ni, Zn and Fe on hydrothermal liquefaction of cellulose: Impact on bio-crude yield and composition	de Caprariis B., Scarsella M., Bavasso I., Bracciale M.P., Tai L.*, De Filippis P.	Journal of Analytical and Applied Pyrolysis, 2021, 157, 105225 DOI: 10.1016/j.jaap.2021.105225	6.437	29	Q1
P10	2021	The role of Al_2O_3, MgO	de Caprariis B., Damizia M.*,	International Journal of Hydrogen Energy, 2021, 46(79),	7.139	11	Q1

		and CeO_2 addition on steam iron process stability to produce pure and renewable hydrogen	De Filippis P., Bracciale M.P.	pp. 39067–39078 DOI: 10.1016/j.ijhydene.2021.09.135			
P11	2019	Enhanced bio-crude yield and quality by reductive hydrothermal liquefaction of oak wood biomass: Effect of iron addition	de Caprariis B., Bavasso I., Bracciale M.P., Damizia M., De Filippis P., Scarsella M.*	Journal of Analytical and Applied Pyrolysis, 2019, 139, pp. 123–130 DOI: 10.1016/j.jaap.2019.01.017	3.905	54	Q1
P12	2019	New synthetic route for the production of mayenite support to enhance Ni resistance to coke deposition in the reforming of tar model compounds	Bracciale M.P., de Caprariis B., De Filippis P., Hernandez A.D.*, Scarsella M.	Applied Catalysis A: General, 2019, 574, pp. 48–59 DOI: 10.1016/j.apcata.2019.01.029	5.006	17	Q1

Part XI– Publications

List of all publications indexed in the SCOPUS database (Author ID: 55252809300).
IF was reported at the year of publication (Journal Citation Report of Clarivate-Web of Science) and the citations are based on data from the Scopus database as of 17/08/2024.

XI A – Book Chapters [scientific]

Year	Title	Authors	Reference data	Citations
2022	End-of-life organic electronics: Which sustainable models?	Bracciale M.P.	Sustainable Strategies in Organic Electronics, 2022, pp. 507–519 DOI: 10.1016/B978-0-12-823147-0.00014-8 ISBN: 978-012823147-0	1
2022	Organic electronics: An overview of key materials, processes, and devices	Bracciale M.P., Kim C., Marrocchi A.	Sustainable Strategies in Organic Electronics, 2022, pp. 3–71 DOI: 10.1016/B978-0-12-823147-0.00001-X ISBN: 978-012823147-0	9

XI B – Papers [international]

2024

	Title	Authors	Reference data	IF	Citations
1	Red mud as hydrogen producer in hydrothermal liquefaction of pinewood:	Damizia M., Bracciale M.P., Mousavi S., Tai L., De Filippis P., de	Renewable Energy, 2024, 232, 121139 DOI: 10.1016/j.renene.2024.121139	9	0

	Minimization of process wastes by recycling the water and hydrochar phases	Caprariis B.			
2	Methane cracking in molten tin for hydrogen and carbon production-a comparison with homogeneous gas phase process	Busillo E., de Caprariis B., Bracciale M.P., Cosentino V., Damizia M., Iaquaniello G., Palo E., De Filippis P.	Frontiers of Chemical Science and Engineering, 2024, 18, 7, Art. number 82 DOI: 10.1007/s11705-024-2437-x	4.3	0
3	Recycling of a commercial biodegradable polymer blend: Influence of reprocessing cycles on rheological and thermo-mechanical properties	Bavasso I., Bracciale M.P., De Bellis G., Pantaleoni A., Tirillò J., Pastore J., Gabrielli S., Sarasini F.	Polymer Testing, 2024, 134, 108418 DOI: 10.1016/j.polymertesting.2024.108418	5.0	0
4	Turquoise hydrogen and carbon materials production from thermal methane cracking: An experimental and kinetic modelling study with focus on carbon product morphology	Busillo E., Nobili A., Serse F., Bracciale M.P., De Filippis P., Pelucchi M., de Caprariis B.	Carbon, 2024, 225, 119102 DOI: 10.1016/j.carbon.2024.119102	10.5	1
5	Facile and Bioinspired Approach from Gallic Acid for the Synthesis of Biobased Flame Retardant Coatings of Basalt Fibers	Pantaleoni A., Sarasini F., Russo P., Passaro J., Giorgini L., Bavasso I., Santarelli M.L., Petrucci E., Valentini F., Bracciale M.P., Marrocchi A.	ACS Omega, 2024, 9(17), pp. 19099–19107 DOI: 10.1021/acsomega.3c10129	3.7	0
6	Chemical Recycling of Cellulose Acetate Eyewear Industry Waste by Hydrothermal Treatment	Bracciale M.P., de Caprariis B., Musivand S., Damizia M., De Filippis P.	Industrial and Engineering Chemistry Research, 2024, 63(12), pp. 5078–5088 DOI: 10.1021/acs.iecr.3c04162	3.8	1
7	Cork consolidated by hot compression as a viable bio-based alternative to polyolefines in decking boards: A preliminary study	Sergi C., Sarasini F., Bracciale M.P., Russo P., Tirillò J.	Construction and Building Materials, 2024, 420, 135541 DOI: 10.1016/j.conbuildmat.2024.135541	7.4	0
8	Iron-doped titania nanoparticles supported on polystyrene for photocatalytic treatment of contaminated water in a continuous system	Rosa D., Cimini G., Bracciale M.P., Felici A.C., Di Palma L.	Journal of Photochemistry and Photobiology A: Chemistry, 2024, 447, 115241 DOI: 10.1016/j.jphotochem.2023.115241	4.1	2
9	Waste Reduction and Bioenergy Generation from Secondary Sludge using Hydrothermal Liquefaction	Amadei A., De Filippis P., Damizia M., Bracciale M.P., de Caprariis B.	Chemical Engineering Transactions, 2024, 109, pp. 547–552 DOI: 10.3303/CET24109092	-	0
10	Disposable Mater-Bi® bioplastic tableware: Characterization and assessment of anaerobic biodegradability	Bracciale M.P., De Gioannis G., Falzarano M., Muntoni A., Polettini A., Pomi R., Rossi A., Sarasini F., Tirillò J., Zonfa T.	Fuel, 2024, 355, 129361 DOI: 10.1016/j.fuel.2023.129361	6.7	5
11	Effects of accelerated aging on compressive response of natural and synthetic core materials: freeze-thaw cycles and UV radiation	Sergi C., Sarasini F., Felici A.C., Bracciale M.P., Tirillò J.	Wood Material Science and Engineering, 2024, 19(1), pp. 253–263 DOI: 10.1080/17480272.2023.2236988	2.2	0

2023

	Title	Authors	Reference data	IF	Citations
12	Efficient utilization of Al_2O_3 as structural promoter	Damizia M., Bracciale M.P., Anania F., Tai L.,	International Journal of Hydrogen Energy, 2023, 48(99), pp. 39112–39123	8.1	5

	of Fe into 2 and 3 steps chemical looping hydrogen process: Pure H_2 production from ethanol	De Filippis P., de Caprariis B.	DOI: 10.1016/j.ijhydene.2023.04.067		
13	Toward clima-resilient ultra-high performance concrete (UHPC): A survey on high-strength mortars engineered with extra-low dosage graphene-based materials (GBMs)	Lamastra F.R., Bavasso I., Bracciale M.P., Duranti L., Montesperelli G., Di Palma L., Bianco A.	Ceramics International, 2023, 49(23), pp. 38482–38498 DOI: 10.1016/j.ceramint.2023.09.179	5.1	2
14	Glycerol valorization: Development of selective protocols for acetals production through tailor-made macroreticular acid resins	Marrocchi A., Trombettoni V., Campana F., Passagrilli V., Nazari A., Bracciale M.P., Santarelli M.L., Vaccaro, L.	Catalysis Today, 2023, 424, 113876 DOI: 10.1016/j.cattod.2022.08.018	5.2	1
15	Viable Recycling of Polystyrene via Hydrothermal Liquefaction and Pyrolysis	Musivand S., Bracciale M.P., Damizia M., De Filippis P., de Caprariis B.	Energies, 2023, 16(13), 4917 DOI: 10.3390/en16134917	3.0	2
16	Anaerobic biodegradation of disposable PLA-based products: Assessing the correlation with physical, chemical and microstructural properties	Bracciale M.P., De Gioannis G., Falzarano M., Muntoni A., Polettini A., Pomi R., Rossi A., Sarasini F., Tirillò J., Zonfa T.	Journal of Hazardous Materials, 2023, 452, 131244. DOI: 10.1016/j.jhazmat.2023.131244	12.2	8
17	Structure and thermal properties of copper-polypropylene based nanocomposites	Hajiyeva F.V., Ramazanov M.A., Di Palma L., Bracciale M.P.	Journal of Thermoplastic Composite Materials, 2023, 36(6), pp. 2332–2349 DOI: 10.1177/08927057221094987	3.6	2
18	Easy way to produce iron-doped titania nanoparticles via the solid-state method and investigation their photocatalytic activity	Rosa D., D'Agostino F., Bavasso I., Bracciale M.P., Di Palma L.	Journal of Materials Research, 2023, 38(5), pp. 1282–1292. DOI: 10.1557/s43578-022-00885-8	2.7	10
19	Catalytic Hydrothermal Liquefaction of Brachychiton populneus Biomass for the Production of High-Value Bio-Crude	Eladnani I., Bracciale M.P., Damizia M., Mousavi S., De Filippis P., Lakhmiri R., de Caprariis B.	Processes, 2023, 11(2), 324 DOI: 10.3390/pr11020324	2.8	4
20	Soil Biocementation via Enzyme Induced Carbonate Precipitation (EICP) Method Employing Soybeans as a Source of Cheap Enzyme	Rosa D., Verdirame L., Bavasso I., Bracciale M.P., Di Palma L.	Chemical Engineering Transactions, 2023, 99, pp. 157–162 DOI: 10.3303/CET2399027	-	1
21	Hydrothermal Liquefaction of Waste Biomass Model Compounds: a Study to Unravel the Complexity of Interactions in Biocrude Production from Mixtures of Cellulose-Albumin-Lipids	Amadei A., De Filippis P., Damizia M., Bracciale M.P., de Caprariis B.	Chemical Engineering Transactions, 2023, 99, pp. 385–390 DOI: 10.3303/CET2399065	-	0
22	Simulation on Hydrothermal Liquefaction of Pinewood to Produce Bio-Crude in a Zero-Waste Process Scheme	Mousavi S., de Caprariis B., Damizia M., Bracciale M.P., De Filippis P.	Chemical Engineering Transactions, 2023, 99, pp. 109–114 DOI: 10.3303/CET2399019	-	0
23	Plant Waste as Green Reinforcement for Polymer Composites: A Case Study of Pteris Vittata Roots	Bavasso I., Marzi D., Bracciale M.P., Di Palma L., Tirillò J., Sarasini F.	Journal of Natural Fibers, 2023, 20(1), 2135669 DOI: 10.1080/15440478.2022.2135669	2.8	2

2022

	Title	Authors	Reference data	IF	Citations
24	Clean Syngas and Hydrogen Co-Production by Gasification and Chemical Looping Hydrogen Process Using MgO-Doped Fe_2O_3 as Redox Material	Bracciale M.P., Damizia M., De Filippis P., de Caprariis B.	Catalysts, 2022, 12(10), 1273 DOI: 10.3390/catal12101273	3.9	6
25	Physical-Chemical Characterization of Different Carbon-Based Sorbents for Environmental Applications	Marzeddu S., Décima M.A., Camilli L., Bracciale M.P., Genova V., Paglia L., Marra F., Damizia M., Stoller M., Chiavola A., Boni M.R.	Materials, 2022, 15(20), 7162 DOI: 10.3390/ma15207162	3.4	13
26	Characterization of waste roots from the as hyperaccumulator Pteris vittata as low-cost adsorbent for methylene blue removal	Mazzeo L., Marzi D., Bavasso I., Bracciale M.P., Piemonte V., Di Palma L.	Chemical Engineering Research and Design, 2022, 186, pp. 13–21 DOI: 10.1016/j.cherd.2022.07.025	3.9	10
27	Effect of ceramic nano-particles on the properties of a carbon-phenolic ablator	Paglia L., Mapelli C., Genova V., Bracciale M.P., Marra F., Bartuli C., Fratoddi I., Pulci G.	Polymer Composites, 2022, 43(10), pp. 7345–7359 DOI: 10.1002/pc.26811	5.2	4
28	Highly aligned growth of carbon nanotube forests with in-situ catalyst generation: A route to multifunctional basalt fibres	Sarasini F., Tirillò J., Lilli M., Bracciale M.P., Vullum P.E., Berto F., De Bellis G., Tamburrano A., Cavoto G., Pandolfi F., Rago I.	Composites Part B: Engineering, 2022, 243, 110136 DOI: 10.1016/j.compositesb.2022.110136	13.1	11
29	Effect of Water–Ethanol Extraction as Pre-Treatment on the Adsorption Properties of Aloe vera Waste	Mazzeo L., Bavasso I., Spallieri M., Bracciale M.P., Piemonte V., Di Palma L.	Materials, 2022, 15(16), 5566 DOI: 10.3390/ma15165566	3.4	5
30	Thermal Abuse Tests on 18650 Li-Ion Cells Using a Cone Calorimeter and Cell Residues Analysis	Mele M.L., Bracciale M.P., Ubaldi S., Santarelli M.L., Mazzaro M., Di Bari C., Russo P.	Energies, 2022, 15(7), 2628 DOI: 10.3390/en15072628	3.2	5
31	Effect of Aging on the Mechanical Properties of Highly Transparent Fluoropolymers for the Conservation of Archaeological Sites	Bracciale M.P., Capasso L., Sarasini F., Tirillò J., Santarelli M.L.	Polymers, 2022, 14(5), 912 DOI: 10.3390/polym14050912	5	5
32	Synthesis, Characterization, and Thin-Film Transistor Response of Benzo[i]pentahelicene-3,6-dione	Bracciale M.P., Kwon G., Ho D., Kim C., Santarelli M.L., Marrocchi A.	Molecules, 2022, 27(3), 863 DOI: 10.3390/molecules27030863	4.6	2

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33	The role of Al_2O_3, MgO and CeO_2 addition on steam iron process stability to produce pure and renewable hydrogen	de Caprariis B., Damizia M., De Filippis P., Bracciale M.P.	International Journal of Hydrogen Energy, 2021, 46(79), pp. 39067–39078 DOI: 10.1016/j.ijhydene.2021.09.135	7.139	11
34	Effect of Ni, Zn and Fe on hydrothermal liquefaction of cellulose: Impact on bio-crude yield and composition	de Caprariis B., Scarsella M., Bavasso I., Bracciale M.P., Tai L., De Filippis P.	Journal of Analytical and Applied Pyrolysis, 2021, 157, 105225 DOI: 10.1016/j.jaap.2021.105225	6.437	29
35	Sulfonated Fe_3O_4/PES nanocomposites as efficient	Bavasso I., Bracciale M.P., Sbardella F.,	Journal of Membrane Science, 2021, 620, 118967	10.53	16

	separators in microbial fuel cells	Puglia D., Dominici F., Torre L., Tirillò J., Sarasini F., De Rosa I.M., Xin W., Di Palma L.	DOI: 10.1016/j.memsci.2020.118967		
36	Functionalization of commercial electrospun veils with zinc oxide nanostructures	Bavasso I., Sbardella F., Bracciale M.P., Lilli M., Tirillò J., Di Palma L., Felici A.C., Sarasini F.	Nanomaterials, 2021, 11(2), pp. 1–19, 418 DOI: 10.3390/nano11020418	5.719	3
37	Enhancing the photocatalytic activity of TiO_2 and TiO_2–SiO_2 by coupling with graphene–gold nanocomposites	Chinh V.D., Bavasso I., Di Palma L., Felici A.C., Scarsella M., Vilardi G., Bracciale M.P., Van N.T.	Journal of Materials Science: Materials in Electronics, 2021, 32(4), pp. 5082–5093 DOI: 10.1007/s10854-021-05242-9	2.779	17
38	Enhancement of the piezoelectric coefficient in PVDF-TrFe/$CoFe_2O_4$ nanocomposites through DC magnetic poling	Fortunato M., Tamburrano A., Bracciale M.P., Santarelli M.L., Sarto M.S.	Beilstein Journal of Nanotechnology, 2021, 12, pp. 1262–1270 DOI: 10.3762/bjnano.12.93	3.272	3
39	High thermal stability Fe system to produce renewable pure hydrogen in steam iron process	Damizia M., Bracciale M.P., De Caprariis B., Genova V., De Filippis P.	Chemical Engineering Transactions, 2021, 86, pp. 547–552 DOI: 10.3303/CET2186092	-	0
40	Principal component analysis (PCA) combined with naturally occurring crystallization inhibitors: An integrated strategy for a more sustainable control of salt decay in built heritage	Cardinali F., Bracciale M.P., Santarelli M.L., Marrocchi A.	Heritage, 2021, 4(1), pp. 220–229 DOI: 10.3390/heritage4010013	-	5
41	Tailoring the interfacial strength of basalt fibres/epoxy composite with ZnO-nanorods	Lilli M., Sbardella F., Bavasso I., Bracciale M.P., Scheffler C., Rivilla I., Tirillò J., Xin W., De Rosa I.M., Sarasini F.	Composite Interfaces, 2021, 28(8), pp. 771–793 DOI: 10.1080/09276440.2020.1805217	2.839	14

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42	Thermochemical characterization of polybenzimidazole with and without nano-ZrO_2 for ablative materials application	Paglia L., Genova V., Bracciale M.P., Bartuli C., Marra F., Natali M., Pulci G.	Journal of Thermal Analysis and Calorimetry, 2020, 142(5), pp. 2149–2161 DOI: 10.1007/s10973-020-10343-4	4.626	11
43	Waterborne modified-silica/acrylates hybrid nanocomposites as surface protective coatings for stone monuments	Sbardella F., Bracciale M.P., Santarelli M.L., Asua J.M.	Progress in Organic Coatings, 2020, 149, 105897 DOI: 10.1016/j.porgcoat.2020.105897	5.161	22
44	Yerba mate (Ilex paraguarensis) as bio-adsorbent for the removal of methylene blue, remazol brilliant blue and chromium hexavalent: Thermodynamic and kinetic studies	Mazzeo L., Bavasso I., Bracciale M.P., Cocchi M., Di Palma L., Piemonte V.	Water (Switzerland), 2020, 12(7), 2016 DOI: 10.3390/w12072016	3.103	8
45	Surface Modification of Flax Yarns by Enzymatic Treatment and Their Interfacial Adhesion with Thermoset Matrices	Seghini M.C., Tirillò J., Bracciale M.P., Touchard F., Chocinski-Arnault L., Zuorro A., Lavecchia R., Sarasini F.	Applied Sciences (Switzerland), 2020, 10(8), 2910 DOI: 10.3390/APP10082910	2.679	7

46	Molecular crystallization inhibitors for salt damage control in porous materials: An overview	Bracciale M.P., Sammut S., Cassar J., Santarelli M.L., Marrocchi A.	Molecules, 2020, 25(8), 25081873 DOI: 10.3390/molecules25081873	4.412	17
47	Unsupported Ni metal catalyst in hydrothermal liquefaction of oak wood: Effect of catalyst surface modification	de Caprariis B., Bracciale M.P., Bavasso I., Chen G., Damizia M., Genova V., Marra F., Paglia L., Pulci G., Scarsella M., Tai L., De Filippis P.	Science of the Total Environment, 2020, 709, 136215 DOI: 10.1016/j.scitotenv.2019.136215	7.963	36
48	Biomass Gasification: The Effect of the Surface Area of Different Materials on Tar Abatement Efficiency	de Caprariis B., Bassano C., Bracciale M.P., Deiana P., Hernandez A.D., Santarelli M.L., Scarsella M., De Filippis P.	Energy and Fuels, 2020, 34(2), pp. 1137–1144 DOI: 10.1021/acs.energyfuels.9b02371	3.605	6
49	Effect of electrospun nanofibres and MWCNTs on the low velocity impact response of carbon fibre laminates	Sarasini F., Tirillò J., Bavasso I., Bracciale M.P., Sbardella F., Lampani L., Cicala G.	Composite Structures, 2020, 234, 111776 DOI: 10.1016/j.compstruct.2019.111776	5.407	20
50	Effect of carbon nanostructures and fatty acid treatment on the mechanical and thermal performances of flax/polypropylene composites	Russo P., Vitiello L., Sbardella F., Santos J.I., Tirillò J., Bracciale M.P., Rivilla I., Sarasini F.	Polymers, 2020, 12(2), 438 DOI: 10.3390/polym12020438	4.329	18
51	Antibacterial effect of zinc oxide-based nanomaterials on environmental biodeteriogens affecting historical buildings	Schifano E., Cavallini D., De Bellis G., Bracciale M.P., Felici A.C., Santarelli M.L., Sarto M.S., Uccelletti D.	Nanomaterials, 2020, 10(2), 335 DOI: 10.3390/nano10020335	5.076	30
52	Environmentally friendly surface modification treatment of flax fibers by supercritical carbon dioxide	Seghini M.C., Touchard F., Chocinski-Arnault L., Placet V., François C., Plasseraud L., Bracciale M.P., Tirillò J., Sarasini F.	Molecules, 2020, 25(3), 438 DOI: 10.3390/molecules25030438	4.412	11
53	Effects of oxygen and tetravinylsilane plasma treatments on mechanical and interfacial properties of flax yarns in thermoset matrix composites	Seghini M.C., Touchard F., Sarasini F., Chocinski-Arnault L., Tirillò J., Bracciale M.P., Zvonek M., Cech V.	Cellulose, 2020, 27(1), pp. 511–530 DOI: 10.1007/s10570-019-02785-3	5.044	23
54	Effect of yerba mate (Ilex paraguariensis) residue and coupling agent on the mechanical and thermal properties of polyolefin-based composites	Bavasso I., Bracciale M.P., Sbardella F., Tirillò J., Sarasini F., Di Palma L.	Polymer Composites, 2020, 41(1), pp. 161–173 DOI: 10.1002/pc.25355	3.171	10

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55	Manufacturing, thermochemical characterization and ablative performance evaluation of carbon-phenolic ablative material with nano-Al_2O_3 addition	Paglia L., Genova V., Marra F., Bracciale M.P., Bartuli C., Valente T., Pulci G.	Polymer Degradation and Stability, 2019, 169, 108979 DOI: 10.1016/j.polymdegradstab.2019.108979	4.032	35
56	Engineering the interfacial adhesion in basalt/epoxy	Seghini M.C., Touchard F., Sarasini F., Cech V.,	Composites Part A: Applied Science and Manufacturing, 2019, 122, pp. 67–76	6.444	30

	composites by plasma polymerization	Chocinski-Arnault L., Mellier D., Tirillò J., Bracciale M.P., Zvonek M.	DOI: 10.1016/j.compositesa.2019.04.013		
57	Enhanced bio-crude yield and quality by reductive hydrothermal liquefaction of oak wood biomass: Effect of iron addition	de Caprariis B., Bavasso I., Bracciale M.P., Damizia M., De Filippis P., Scarsella M.	Journal of Analytical and Applied Pyrolysis, 2019, 139, pp. 123–130 DOI: 10.1016/j.jaap.2019.01.017	3.905	54
58	New synthetic route for the production of mayenite support to enhance Ni resistance to coke deposition in the reforming of tar model compounds	Bracciale M.P., de Caprariis B., De Filippis P., Hernandez A.D., Scarsella M.	Applied Catalysis A: General, 2019, 574, pp. 48–59 DOI: 10.1016/j.apcata.2019.01.029	5.006	17
59	Steam reforming of model compounds from biomass fermentation over nanometric ruthenium modified nickel-lanthanum perovskites catalysts	Bracciale M.P., de Caprariis B., De Filippis P., Scarsella M.	Chemical Engineering Transactions, 2019, 73, pp. 19–24 DOI: 10.3303/CET1973004	-	0

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60	Waterborne acrylate-based hybrid coatings with enhanced resistance properties on stone surfaces	Sbardella F., Pronti L., Santarelli M.L., Gonzàlez J.M.A., Bracciale M.P.	Coatings, 2018, 8(8), 283 DOI: 10.3390/coatings8080283	2.33	34
61	Aqueous polythiophene electrosynthesis: A new route to an efficient electrode coupling of PQQ-dependent glucose dehydrogenase for sensing and bioenergetic applications	Fusco G., Göbel G., Zanoni R., Bracciale M.P., Favero G., Mazzei F., Lisdat F.	Biosensors and Bioelectronics, 2018, 112, pp. 8–17 DOI: 10.1016/j.bios.2018.04.014	9.518	26
62	Multi-technique characterisation of commercial alizarin-based lakes	Pronti L., Mazzitelli J.-B., Bracciale M.P., Massini Rosati L., Vieillescazes C., Santarelli M.L., Felici A.C.	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 200, pp. 10–19 DOI: 10.1016/j.saa.2018.04.008	2.931	16
63	Effect of an enzymatic treatment with cellulase and mannanase on the structural properties of Nannochloropsis microalgae	Maffei G., Bracciale M.P., Broggi A., Zuorro A., Santarelli M.L., Lavecchia R.	Bioresource Technology, 2018, 249, pp. 592–598 DOI:	6.669	62
64	Characterization and Digital Restauration of XIV-XV Centuries Written Parchments by Means of Nondestructive Techniques: Three Case Studies	Pronti L., Perino M., Cursi M., Santarelli M.L., Felici A.C., Bracciale M.P.	Journal of Spectroscopy, 2018, 2018, 2081548 DOI: 10.1155/2018/2081548	1.376	17
65	Boosting biomass valorisation. Synergistic design of continuous flow reactors and water-tolerant polystyrene acid catalysts for a non-stop production of esters	Trombettoni V., Sciosci D., Bracciale M.P., Campana F., Santarelli M.L., Marrocchi A., Vaccaro L.	Green Chemistry, 2018, 20(14), pp. 3222–3231 DOI: 10.1039/c8gc00824h	9.405	25
66	Influence of the catalyst support on the steam reforming performance of toluene as tar model compound	Bracciale M.P., De Caprariis B., Bassano C., De Filippis P., Deiana P., Hernandez A.D., Scarsella M.	Chemical Engineering Transactions, 2018, 65, pp. 241–246 DOI: 10.3303/CET1865041	-	3

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67	Steam reforming of tar model compounds over Ni supported on CeO_2 and mayenite	de Caprariis B., Bracciale M.P., De Filippis P., Hernandez A. D., Petrullo A., Scarsella M.	Canadian Journal of Chemical Engineering, 2017, 95(9), pp. 1745–1751 DOI: 10.1002/cjce.22887	1.265	19
68	Mathematical modelling of experimental data for crystallization inhibitors	Bracciale M.P., Bretti G., Broggi A., Ceseri M., Marrocchi A., Natalini R., Russo C.	Applied Mathematical Modelling, 2017, 48, pp. 21–38 DOI: 10.1016/j.apm.2016.11.026	2.617	8
69	Squaraine-Based Polymers: Toward Optimized Structures for Optoelectronic Devices	Broggi A., Kim H., Jung J., Bracciale M.P., Santarelli M.L., Kim C., Marrocchi A.	Macromolecular Chemistry and Physics, 2017, 218(13), 1600487 DOI: 10.1002/macp.201600487	2.492	14
70	Nucleation effect of unmodified graphene nanoplatelets on PVDF/GNP film composites	Bidsorkhi H.C., D'Aloia A.G., De Bellis G., Proietti A., Rinaldi A., Fortunato M., Ballirano P., Bracciale M.P., Santarelli M.L., Sarto M.S.	Materials Today Communications, 2017, 11, pp. 163–173 DOI: 10.1016/j.mtcomm.2017.04.001	-	49
71	Chemometrics approach to FT-IR hyperspectral imaging analysis of degradation products in artwork cross-section	Capobianco G., Bracciale M.P., Sali D., Sbardella F., Belloni P., Bonifazi G., Serranti S., Santarelli M.L., Cestelli Guidi M.	Microchemical Journal, 2017, 132, pp. 69–76 DOI: 10.1016/j.microc.2017.01.007	2.746	36
72	Improved photocatalytic properties of doped titanium-based nanometric oxides	Scarsella M., Bracciale M.P., de Caprariis B., De Filippis P., Petrullo A., Pronti L., Santarelli M.L.	Chemical Engineering Transactions, 2017, 60, pp. 133–138 DOI: 10.3303/CET1760023	-	15

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73	Characterisation of corrosion layers formed under burial environment of copper-based Greek and Roman coins from Pompeii	Pronti L., Felici A.C., Alesiani M., Tarquini O., Bracciale M.P., Santarelli M.L., Pardini G., Piacentini M.	Applied Physics A: Materials Science and Processing, 2015, 121(1), pp. 59–68 DOI: 10.1007/s00339-015-9351-5	1.444	18
74	Effectiveness of phosphocitrate as salt crystallization inhibitor in porous materials: Case study of the roman mosaic of orpheus and the beasts (Perugia, Italy)	Franceschini M., Broggi A., Bracciale M.P., Sommei L., Santarelli M.L., Marrocchi A.	International Journal of Architectural Heritage, 2015, 9(3), pp. 195–200 DOI: 10.1080/15583058.2012.760121	1.025	10

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75	Zinc oxide microrods and nanorods: Different antibacterial activity and their mode of action against Gram-positive bacteria	Rago I., Chandraiahgari C.R., Bracciale M.P., De Bellis G., Zanni E., Cestelli Guidi M., Sali D., Broggi A., Palleschi C., Sarto M.S., Uccelletti D.	RSC Advances, 2014, 4(99), pp. 56031–56040 DOI: 10.1039/c4ra08462d	3.84	62
76	The impact of chaotic advection on the	Bracciale M.P., Broggi A., Cerbelli S.,	AIChE Journal, 2014, 60(5), pp. 1870–1879	2.748	0

	microstructure of polymer-modified bitumen	Formisano M., Santarelli M.L., Scarsella M., Marrocchi A.	DOI: 10.1002/aic.14361		
77	Synthesis and characterization of novel polystyrene-supported TBD catalysts and their use in the Michael addition for the synthesis of Warfarin and its analogues	Alonzi M., Bracciale M.P., Broggi A., Lanari D., Marrocchi A., Santarelli M.L., Vaccaro L.	Journal of Catalysis, 2014, 309, pp. 260–267 DOI: 10.1016/j.jcat.2013.10.009	6.921	32

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78	Graphite nanoplatelets and Caenorhabditis elegans: Insights from an in vivo model	Zanni E., De Bellis G., Bracciale M.P., Broggi A., Santarelli M.L., Sarto M.S., Palleschi C., Uccelletti D.	Nano Letters, 2012, 12(6), pp. 2740–2744 DOI: 10.1021/nl204388p	13.025	129
79	FT-Raman spectroscopy for quantitative analysis of salt efflorescences	Broggi A., Petrucci E., Bracciale M.P., Santarelli M.L.	Journal of Raman Spectroscopy, 2012, 43(11), pp. 1560–1566 DOI: 10.1002/jrs.4153	2.679	18

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1	Recycled bacterial nanocellulose membranes as novel green gels for the cleaning of cultural heritage surfaces	Sonaglia, E., Bracciale, M.P., Santarelli, M.L.	IMEKO TC4 International Conference on Metrology for Archaeology and Cultural Heritage 2023, 2023, pp. 452–456 ISBN: 978-171388834-5	0
2	Low temperature Plasma Enhanced Growth of Carbon Nanostructures on Quartz Fibres	Lalle G., Rago I., Yadav R.P., Cavoto G., Pandolfi F., Bracciale M.P., Bavasso I., Sarasini F., Tirillò J.	ICCM International Conferences on Composite Materials, 2023	0
3	Utilization of Al_2O_3 and MgO as Structural Promoters of Fe into 2 AND 3 Steps Chemical Looping Hydrogen Process: Pure and Green H_2 Production	Damizia M., de Caprariis B., Bracciale M.P., Anania F., D'Alvia L., Del Prete Z., De Filippis P.	Proceedings of WHEC 2022 - 23rd World Hydrogen Energy Conference: Bridging Continents by H_2, 2022, pp. 74–76 ISBN: 978-625000843-0	0
4	3D-Printed Pure Copper: Density and Thermal Treatments Effects	Rago I., Iannone M., Marra F., Bracciale M.P., Paglia L., Orlandi D., Cortis D., Pettinacci V.	Lecture Notes in Mechanical Engineering, 2022, pp. 721–728	2
5	Hierarchical electrospun veils as potential toughening materials for structural composite laminates	Bavasso I., Sbardella F., Bracciale M.P., Tirillò J., Di Palma L., Lampani L., Sarasini F.	36th Technical Conference of the American Society for Composites 2021: Composites Ingenuity Taking on Challenges in Environment-Energy-Economy, ASC 2021, 2021, 1, pp. 497–505 ISBN: 978-171383759-6	0
6	Characterization of nanostructured calcium carbonate found in two ancient Etruscan tombs	Mura F., Cirigliano A., Bracciale M.P., Rinaldi T.	AIP Conference Proceedings, 2020, 2257, 020011 ISBN: 978-073542017-5	6
7	Functionalization of basalt fibres by hydrothermal growth of zinc oxide nanostructures	Lilli M., Sbardella F., Bavasso I., Bracciale M.P., Seghini M.C., Di Palma L., Tirillò J., Sarasini F.	ICCM International Conferences on Composite Materials, 2019, 2019-August	0
8	Hierarchical modification of flax fibres by zinc oxide nanostructures	Sbardella F., Lilli M., Bavasso I., Bracciale M.P., Seghini M.C., Di Palma L.,	ICCM International Conferences on Composite Materials, 2019, 2019-August	0

		Tirillò J., Sarasini F.		
9	Tailoring interfacial adhesion in basalt fibre reinforced polymer composites	Seghini M.C., Touchard F., Sarasini F., Cech V., Chocinski-Arnault L., Mellier D., Tirillò J., Bracciale M.P., Zvonek M.	ICCM International Conferences on Composite Materials, 2019, 2019-August	3
10	Piezo-resistive properties of graphene based PVDF composite films for strain sensing	Bidsorkhi H.C., D'Aloia A.G., Tamburrano A., De Bellis G., Bracciale M.P., Santarelli M.L., Sarto M.S.	2017 IEEE 17th International Conference on Nanotechnology, NANO 2017, 2017, pp. 411–415, 8117349 ISBN: 978-150903028-6	5
11	Fluorescence lidar measurements at the archaeological site house of augustus at palatino, Rome	Raimondi V., Alisi C., Barup K., Bracciale M.P., Broggi A., Hällström J., Lognoli D., Palombi L., Conti C., Santarelli M.L., Sprocati A.R.	Proceedings of SPIE - The International Society for Optical Engineering, 2013, 8893, 88930E	5