

# Monica Ferraris

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199 papers	4,725 citations	40 h-index	58 g-index
216 ext. papers	5,272 ext. citations	4.3 avg, IF	5.56 L-index

#	Paper	IF	Citations
199	Oxidation protective multilayer coatings for carbon-carbon composites. <i>Carbon</i> , <b>2002</b> , 40, 583-587	10.4	193
198	Silicon carbide composites as fusion power reactor structural materials. <i>Journal of Nuclear Materials</i> , <b>2011</b> , 417, 330-339	3.3	182
197	Multilayer coating with self-sealing properties for carbon-carbon composites. <i>Carbon</i> , <b>2003</b> , 41, 2105-2111	10.4	123
196	Glass-ceramic seal to join Crofer 22 APU alloy to YSZ ceramic in planar SOFCs. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 61-68	6	119
195	Coatings on zirconia for medical applications. <i>Biomaterials</i> , <b>2000</b> , 21, 765-73	15.6	109
194	Radiation-tolerant joining technologies for silicon carbide ceramics and composites. <i>Journal of Nuclear Materials</i> , <b>2014</b> , 448, 497-511	3.3	108
193	Virucidal effect against coronavirus SARS-CoV-2 of a silver nanocluster/silica composite sputtered coating. <i>Open Ceramics</i> , <b>2020</b> , 1, 100006	3.3	99
192	Joining of C/SiC composites by spark plasma sintering technique. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 903-913	6	81
191	Use of vitrified MSWI bottom ashes for concrete production. <i>Waste Management</i> , <b>2009</b> , 29, 1041-7	8.6	78
190	Optimization of composition, structure and mechanical strength of bioactive 3-D glass-ceramic scaffolds for bone substitution. <i>Journal of Biomaterials Applications</i> , <b>2013</b> , 27, 872-90	2.9	77
189	Protective glass coating for carbon-carbon composites. <i>Carbon</i> , <b>1998</b> , 36, 1213-1218	10.4	74
188	Joining of SiC by spark plasma sintering. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 1681-1686	6	72
187	Production of glass-ceramic bodies from the bottom ashes of municipal solid waste incinerators. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 803-810	6	72
186	In vitro characterisation of zirconia coated by bioactive glass. <i>Biomaterials</i> , <b>2001</b> , 22, 987-94	15.6	72
185	Recent progress in the development of SiC composites for nuclear fusion applications. <i>Journal of Nuclear Materials</i> , <b>2018</b> , 511, 544-555	3.3	70
184	Joining of SiC-based materials for nuclear energy applications. <i>Journal of Nuclear Materials</i> , <b>2011</b> , 417, 379-382	3.3	70
183	Joining of machined SiC/SiC composites for thermonuclear fusion reactors. <i>Journal of Nuclear Materials</i> , <b>2008</b> , 375, 410-415	3.3	65

182	Biomaterials for orbital implants and ocular prostheses: overview and future prospects. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 1064-87	10.8	62
181	Performance and testing of glass-ceramic sealant used to join anode-supported-electrolyte to Crofer22APU in planar solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2009</b> , 190, 402-407	8.9	62
180	Glass and composite seals for the joining of YSZ to metallic interconnect in solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 611-616	6	62
179	Antimicrobial functionalization of cotton fabric with silver nanoclusters/silica composite coating via RF co-sputtering technique. <i>Cellulose</i> , <b>2017</b> , 24, 2331-2345	5.5	61
178	Protective coatings for carbon bonded carbon fibre composites. <i>Ceramics International</i> , <b>2008</b> , 34, 1297-1301	5.1	60
177	Glass matrix composites from solid waste materials. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 453-460	6	60
176	New glass and glass-ceramic sealants for planar solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 933-940	6	58
175	Characterization and performance of glass-ceramic sealant to join metallic interconnects to YSZ and anode-supported-electrolyte in planar SOFCs. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 2521-2527	6	58
174	Sintering and plasma spray deposition of bioactive glass-Matrix composites for medical applications. <i>Journal of the European Ceramic Society</i> , <b>1998</b> , 18, 363-372	6	56
173	Preparation and characterization of new fluorotellurite glasses for photonics application. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 447-452	3.9	53
172	Proposal for a new technique to join CFC composites to copper. <i>Journal of Nuclear Materials</i> , <b>2006</b> , 348, 102-107	3.3	51
171	Joining of surface modified carbon/carbon composites using a barium-aluminum-boro-silicate glass. <i>Journal of the European Ceramic Society</i> , <b>1998</b> , 18, 1017-1024	6	49
170	Novel Er-doped PbO and B <sub>2</sub> O <sub>3</sub> based glasses: investigation of quantum efficiency and non-radiative transition probability for 1.5 $\mu$ m broadband emission fluorescence. <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 324, 12-20	3.9	48
169	Joining of CVD-SiC coated and uncoated fibre reinforced ceramic matrix composites with pre-sintered Ti <sub>3</sub> SiC <sub>2</sub> MAX phase using Spark Plasma Sintering. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 3957-3967	6	48
168	Measurement of thermal properties of a ceramic/metal joint by laser flash method. <i>Journal of Nuclear Materials</i> , <b>2010</b> , 407, 83-87	3.3	47
167	Microstructure and mechanical properties of C/C composite/Ti6Al4V joints with a Cu/TiCuZrNi composite brazing alloy. <i>Ceramics International</i> , <b>2016</b> , 42, 6347-6354	5.1	46
166	Synthesis of magnetic hydroxyapatite by hydrothermal-microwave technique: Dielectric, protein adsorption, blood compatibility and drug release studies. <i>Ceramics International</i> , <b>2015</b> , 41, 13153-13163	5.1	44
165	Antibacterial and Bioactive Coatings Based on Radio Frequency Co-Sputtering of Silver Nanocluster-Silica Coatings on PEEK/Bioactive Glass Layers Obtained by Electrophoretic Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32489-32497	9.5	43

164	Microwave assisted combustion synthesis in the system TiSiC for the joining of SiC: Experimental and numerical simulation results. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 1707-1719	6	42
163	Thermal cycling and ageing of a glass-ceramic sealant for planar SOFCs. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 11895-11903	6.7	42
162	Silver nanocluster/silica composite coatings with antibacterial properties. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 120, 123-126	4.4	42
161	Antibacterial coating on polymer for space application. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 135, 714-722	4.4	41
160	Direct joining of CFC to copper. <i>Journal of Nuclear Materials</i> , <b>2004</b> , 329-333, 1563-1566	3.3	41
159	Joining of Carbon-Carbon Composites for Thermonuclear Fusion Applications. <i>Journal of the American Ceramic Society</i> , <b>1997</b> , 80, 206-212	3.8	40
158	Effects of neutron irradiation on glass ceramics as pressure-less joining materials for SiC based components for nuclear applications. <i>Journal of Nuclear Materials</i> , <b>2012</b> , 429, 166-172	3.3	38
157	One-step brazing process to join CFC composites to copper and copper alloy. <i>Journal of Nuclear Materials</i> , <b>2008</b> , 374, 69-74	3.3	37
156	Surface modification of carbon/carbon composites to improve their wettability by copper. <i>Carbon</i> , <b>2012</b> , 50, 2296-2306	10.4	36
155	Performance of a glass-ceramic sealant in a SOFC short stack. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 588-596	6.7	35
154	Learning from Nature: Using bioinspired approaches and natural materials to make porous bioceramics. <i>International Journal of Applied Ceramic Technology</i> , <b>2017</b> , 14, 507-520	2	34
153	Cordierite/hullite coating for SiCf/SiC composites. <i>Journal of the European Ceramic Society</i> , <b>2002</b> , 22, 2343-2347	6	34
152	Spectroscopic investigation and optical characterization of novel highly thulium doped tellurite glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 548-555	3.9	33
151	CaO-Al <sub>2</sub> O <sub>3</sub> glass-ceramic as a joining material for SiC based components: A microstructural study of the effect of Si-ion irradiation. <i>Journal of Nuclear Materials</i> , <b>2018</b> , 501, 172-180	3.3	32
150	Performance and testing of joined Crofer22APU-glass-ceramic sealant-anode supported cell in SOFC relevant conditions. <i>Materials Letters</i> , <b>2011</b> , 65, 1048-1052	3.3	32
149	Novel erbium doped PbO and B <sub>2</sub> O <sub>3</sub> based glasses with broad 1.5 $\mu$ m absorption line width and low refractive index. <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 324, 1-11	3.9	31
148	Antibacterial silver nanocluster/silica composite coatings on stainless steel. <i>Applied Surface Science</i> , <b>2017</b> , 396, 1546-1555	6.7	30
147	Novel Glass-Ceramic Composition as Sealant for SOFCs. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3835-3842	3.8	30

146	Characterising the sintering behaviour of pulverised fuel ash using heating stage microscopy. <i>Materials Characterization</i> , <b>2007</b> , 58, 980-988	3.9	29
145	Yttria-stabilized zirconia thin film electrolyte produced by RF sputtering for solid oxide fuel cell applications. <i>Materials Letters</i> , <b>2010</b> , 64, 2450-2453	3.3	28
144	Chemical, Mechanical, and Antibacterial Properties of Silver Nanocluster-Silica Composite Coatings Obtained by Sputtering. <i>Advanced Engineering Materials</i> , <b>2010</b> , 12, B276-B282	3.5	28
143	Bioverit® I base glass/Ti particulate biocomposite: In situ vacuum plasma spray deposition. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 473-479	6	28
142	Development of titania coatings on glass foams. <i>Construction and Building Materials</i> , <b>2009</b> , 23, 2554-2558	5.7	27
141	Erosion protective coatings for low density, highly porous carbon/carbon composites. <i>Carbon</i> , <b>2009</b> , 47, 1511-1519	10.4	27
140	Novel antibacterial ocular prostheses: Proof of concept and physico-chemical characterization. <i>Materials Science and Engineering C</i> , <b>2016</b> , 60, 467-474	8.3	26
139	Torsional Shear Strength of Silicon Carbide Components Pressurelessly Joined by a Glass-Ceramic. <i>International Journal of Applied Ceramic Technology</i> , <b>2012</b> , 9, 786-794	2	26
138	Study of joining of carbon/carbon composites for ultra stable structures. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 1751-1759	6	26
137	Novel Tm <sup>3+</sup> -doped fluorotellurite glasses with enhanced quantum efficiency. <i>Optical Materials</i> , <b>2011</b> , 33, 428-437	3.3	25
136	Flash joining of CVD-SiC coated Cf/SiC composites with a Ti interlayer. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 3841-3848	6	24
135	Vacuum Plasma Spray Deposition of Titanium Particle/Glass-Ceramic Matrix Biocomposites. <i>Journal of the American Ceramic Society</i> , <b>1996</b> , 79, 1515-1520	3.8	24
134	Antibacterial, highly hydrophobic and semi transparent Ag/plasma polymer nanocomposite coating on cotton fabric obtained by plasma based co-deposition. <i>Cellulose</i> , <b>2019</b> , 26, 8877-8894	5.5	22
133	Silver nanocluster-silica composite antibacterial coatings for materials to be used in mobile telephones. <i>Applied Surface Science</i> , <b>2014</b> , 313, 107-115	6.7	22
132	Spectroscopy and optical characterization of thulium doped TZN glasses. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 135104	3	22
131	Glass coating for SiCf/SiC composites for high-temperature application. <i>Acta Materialia</i> , <b>2000</b> , 48, 4721-4724	4.4	22
130	Surface functionalization of Ag-nanoclusters-silica composite films for biosensing. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 130, 1307-1316	4.4	21
129	Cu-Pb rheocast alloy as joining material for CFC composites. <i>Journal of Nuclear Materials</i> , <b>1995</b> , 226, 67-71	3.3	21

128	Viscous phase sintering of particle-reinforced glass matrix composites. <i>Journal of the European Ceramic Society</i> , <b>1996</b> , 16, 421-427	6	21
127	Fracture behavior of soldered Al <sub>2</sub> O <sub>3</sub> ceramic to A356 aluminum alloy and resistance of the joint to low temperature exposure. <i>Materials and Design</i> , <b>2015</b> , 88, 889-896	8.1	20
126	Mn <sub>1.5</sub> Co <sub>1.5</sub> O <sub>4</sub> protective coating on Crofer22APU produced by thermal co-evaporation for SOFCs. <i>Materials Letters</i> , <b>2013</b> , 95, 82-85	3.3	20
125	Investigation of infrared emission and lifetime in Tm-doped 75TeO <sub>2</sub> :20ZnO:5Na <sub>2</sub> O (mol%) glasses: Effect of Ho and Yb co-doping. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 1955-1961	3.9	20
124	Bragg gratings in ternary SiO(2):SnO(2):Na(2)O optical glass fibers. <i>Optics Letters</i> , <b>2000</b> , 25, 1153-5	3	20
123	Joining of AL-6016 to Al-foam using Zn-based joining materials. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2017</b> , 96, 122-128	8.4	19
122	Chemical, mechanical and antibacterial properties of silver nanocluster/silica composite coated textiles for safety systems and aerospace applications. <i>Applied Surface Science</i> , <b>2014</b> , 317, 131-139	6.7	19
121	Shear and Bending Strength of SiC/SiC Joined by a Modified Commercial Adhesive. <i>International Journal of Applied Ceramic Technology</i> , <b>2012</b> , 9, 778-785	2	19
120	Comparison of shear strength tests on AV119 epoxy-joined ceramics. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 4401-4405	4.3	19
119	Torsion Tests on AV119 Epoxy Joined SiC. <i>International Journal of Applied Ceramic Technology</i> , <b>2012</b> , 9, 795-807	2	18
118	Processing and characterization of core-clad tellurite glass preforms and fibers fabricated by rotational casting. <i>Optical Materials</i> , <b>2010</b> , 32, 582-588	3.3	18
117	Biocompatibility versus peritoneal mesothelial cells of polypropylene prostheses for hernia repair, coated with a thin silica/silver layer. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2017</b> , 105, 1586-1593	3.5	17
116	UV-Vis, FT-IR and EPR investigation on multi-component germano-silicate glasses for photonics. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 347, 246-253	3.9	17
115	Direct-UV-written buried channel waveguide lasers in direct-bonded intersubstrate ion-exchanged neodymium-doped germano-borosilicate glass. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3522-3524	3.4	17
114	Superoxide ions formed on MgO through the agency of presorbed molecules. Part 2. Details on the mechanism. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1992</b> , 88, 333-337		17
113	Antipathogen nanostructured coating for air filters. <i>Applied Surface Science</i> , <b>2020</b> , 508, 145283	6.7	16
112	Ceramic protection plates brazed to aluminum brake discs. <i>Ceramics International</i> , <b>2016</b> , 42, 15739-15746	5.1	16
111	Production and characterization of ceramic foams derived from vitrified bottom ashes. <i>Materials Letters</i> , <b>2019</b> , 236, 281-284	3.3	16

110	Glass-ceramic joining material for sodium-based battery. <i>Ceramics International</i> , <b>2017</b> , 43, 8329-8333	5.1	15
109	Polypropylene prostheses coated with silver nanoclusters/silica coating obtained by sputtering: Biocompatibility and antibacterial properties. <i>Surface and Coatings Technology</i> , <b>2017</b> , 319, 326-334	4.4	15
108	Micro-structures fabrication on glasses for micro-fluidics by imprinting technique. <i>Microsystem Technologies</i> , <b>2009</b> , 15, 1067-1071	1.7	15
107	One-step brazing process for CFC monoblock joints and mechanical testing. <i>Journal of Nuclear Materials</i> , <b>2009</b> , 393, 300-305	3.3	15
106	Pressureless sintering of bioverit <sup>®</sup> iii/ti particle biocomposites. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 2039-2047	6	15
105	Modeling and testing miniature torsion specimens for SiC joining development studies for fusion. <i>Journal of Nuclear Materials</i> , <b>2015</b> , 466, 253-268	3.3	14
104	In situ TiC particle reinforced TiCuZrNi brazing alloy for joining C/C composites to Ti6Al4V. <i>International Journal of Applied Ceramic Technology</i> , <b>2018</b> , 15, 611-618	2	14
103	Joining of carbon fibre reinforced polymer to Al-Si alloy for space applications. <i>International Journal of Adhesion and Adhesives</i> , <b>2018</b> , 82, 146-152	3.4	13
102	Bonding of ceramics: An analysis of the torsion hourglass specimen. <i>International Journal of Adhesion and Adhesives</i> , <b>2016</b> , 70, 46-52	3.4	13
101	Vitreous joining process of SiCfSiC composites. <i>Journal of the European Ceramic Society</i> , <b>1996</b> , 16, 1231-1236	12.36	13
100	Torsional shear strength behavior of advanced glass-ceramic sealants for SOFC/SOEC applications. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 4067-4075	6	13
99	Progress in development of SiC-based joints resistant to neutron irradiation. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 1023-1034	6	13
98	Pressure-less joining of C/SiC and SiC/SiC by a MoSi <sub>2</sub> /Si composite. <i>International Journal of Applied Ceramic Technology</i> , <b>2017</b> , 14, 305-312	2	12
97	Antibacterial nanostructured composite coating on high performance Vectran <sup>®</sup> fabric for aerospace structures. <i>Surface and Coatings Technology</i> , <b>2019</b> , 373, 47-55	4.4	12
96	Influence of P <sub>2</sub> O <sub>5</sub> and Al <sub>2</sub> O <sub>3</sub> content on the structure of erbium-doped borosilicate glasses and on their physical, thermal, optical and luminescence properties. <i>Materials Research Bulletin</i> , <b>2015</b> , 63, 41-50	5.1	12
95	Torsional Shear Strength Tests for Glass/Ceramic Joined Silicon Carbide. <i>International Journal of Applied Ceramic Technology</i> , <b>2015</b> , 12, 693-699	2	12
94	Electric field induced structural modification and second order optical nonlinearity in potassium niobium silicate glass. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 2578-2582	3.9	12
93	Non-destructive characterization of carbon fiber composite/Cu joints for nuclear fusion applications. <i>Fusion Engineering and Design</i> , <b>2008</b> , 83, 702-712	1.7	12



92	Photosensitivity and directly UV written waveguides in an ion exchangeable bulk oxide glass. <i>Optical Materials</i> , <b>2001</b> , 18, 295-300	3.3	12
91	Surface machining of Ti6Al4V by means of Micro-Electrical Discharging to improve adhesive joining. <i>Journal of Materials Processing Technology</i> , <b>2020</b> , 286, 116813	5.3	11
90	He-irradiation effects on glass-ceramics for joining of SiC-based materials. <i>Journal of Nuclear Materials</i> , <b>2016</b> , 472, 28-34	3.3	11
89	Development and characterisation of dynamic bi-phase (epoxy/PU) composites for enhanced impact resistance. <i>Composites Part B: Engineering</i> , <b>2018</b> , 155, 122-131	10	11
88	Tm <sup>3+</sup> and Yb <sup>3+</sup> co-doped tellurite glasses for short cavity optical fiber lasers: Fabrication and optical characterization. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 2378-2383	3.9	11
87	Fabrication and direct bonding of photosensitive multicomponent silicate glasses for lossless planar waveguide splitters. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 1230-1234	3.9	11
86	Reaction of SiCf/SiC Composites with a Zinc Borate Glass. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 1691-1694	3.8	11
85	Interfacial reaction in AZ61/AZ91/P100 Mg/graphite composite: an Auger spectroscopy investigation. <i>Materials Letters</i> , <b>1994</b> , 21, 55-61	3.3	11
84	Torsional shear strength of novel glass-ceramic composite sealants for solid oxide fuel cell stacks. <i>International Journal of Applied Ceramic Technology</i> , <b>2018</b> , 15, 286-295	2	11
83	Shear Strength Measurement of AV119 Epoxy-Joined SiC by Different Torsion Tests. <i>International Journal of Applied Ceramic Technology</i> , <b>2014</b> , 11, 394-401	2	10
82	Joining and testing of alumina fibre reinforced YAG-ZrO <sub>2</sub> matrix composites. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 1802-1811	6	10
81	Thermal assisted direct bonding between structured glasses for lab-on-chip technology. <i>Microsystem Technologies</i> , <b>2009</b> , 15, 1873-1877	1.7	9
80	Experimental evaluation of pulse electric current effect on residual stresses in composite-to-copper joints. <i>Strength of Materials</i> , <b>2008</b> , 40, 452-457	0.6	9
79	Photosensitive properties of a tin-doped sodium silicate glass for direct ultraviolet writing. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 3259-3261	3.4	9
78	Different fluorination processes with ammonium bifluoride and their effect on fluorozirconate glasses. <i>Materials Research Bulletin</i> , <b>1989</b> , 24, 661-669	5.1	9
77	SiC foam sandwich structures obtained by Mo-wrap joining. <i>Materials Letters</i> , <b>2018</b> , 221, 240-243	3.3	8
76	Characterization of innovative CFC/Cu joints by full-field measurements and finite elements. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 595, 306-317	5.3	8
75	A Brazilian Disk Test for the Evaluation of the Shear Strength of Epoxy-Joined Ceramics. <i>International Journal of Applied Ceramic Technology</i> , <b>2012</b> , 9, 808-815	2	8



74	Thermal fatigue characterization of CFC divertor modules using a one step brazing process. <i>Journal of Nuclear Materials</i> , <b>2012</b> , 426, 78-84	3.3	8
73	Joining of Advanced Ceramics, Glasses and Composites at Politecnico di Torino, Italy. <i>Key Engineering Materials</i> , <b>2010</b> , 434-435, 197-201	0.4	8
72	Microwave Activated Combustion Synthesis and Compaction in Separate E and H Fields: Numerical Simulation and Experimental Results. <i>Advances in Science and Technology</i> , <b>2010</b> , 63, 197-202	0.1	8
71	Brazing of Mo to a CuZr alloy for the production of bimetallic raw materials for the CLIC accelerating structures. <i>Journal of Materials Processing Technology</i> , <b>2010</b> , 210, 791-798	5.3	8
70	Identification of silicon nitride/InGaAs interface states. <i>Applied Physics Letters</i> , <b>1990</b> , 56, 1661-1663	3.4	8
69	Joining of Aluminium Alloy Sheets to Aluminium Alloy Foam Using Metal Glasses. <i>Metals</i> , <b>2018</b> , 8, 614	2.3	8
68	A New Glass Coating for Foam Glass. <i>International Journal of Applied Ceramic Technology</i> , <b>2011</b> , 8, 187-193	2.3	7
67	Optimization of thermal assisted direct bonding of soda-lime glasses for lab-on chip application. <i>Microsystem Technologies</i> , <b>2010</b> , 16, 527-532	1.7	7
66	Protective coatings for induction casting of titanium. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 9541-9548	2.4	7
65	Structural and optical characterization of RF-sputtered metal cluster doped silica thin films. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 2548-2552	3.9	7
64	Different processes for the preparation of fluorozirconate glasses. <i>Materials Research Bulletin</i> , <b>1990</b> , 25, 891-897	5.1	7
63	Multifunctional stratified composite coatings by electrophoretic deposition and RF co-sputtering for orthopaedic implants. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 7920-7935	4.3	7
62	EPR and UV-Vis characterization of multicomponent germano-silicate glasses for photonics. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 2267-2278	3.9	6
61	Liquid-phase hot-pressing and WC-particle reinforcement of SiC-Si composites. <i>Journal of the European Ceramic Society</i> , <b>1994</b> , 14, 549-555	6	6
60	Interfacial equilibria in titanium particle/glass ceramic composites. <i>Composites</i> , <b>1994</b> , 25, 494-498		6
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