

Monica Ferraris

List of Publications by Year in Descending Order

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Version: 2024-04-09

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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	Fracture behavior of concrete containing MSWI vitrified bottom ash. <i>Procedia Structural Integrity</i> , 2022 , 39, 494-502	1	0
198	Modelling, additive layer manufacturing and testing of interlocking structures for joined components.. <i>Scientific Reports</i> , 2022 , 12, 2526	4.9	0
197	Torsion Test vs. Other Methods to Obtain the Shear Strength of Elastic-Plastic Adhesives. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3284	2.6	0
196	SiC particle reinforced Al matrix composites brazed on aluminum body for lightweight wear resistant brakes. <i>Ceramics International</i> , 2022 , 48, 10941-10951	5.1	1
195	Triple ion beam irradiation of glass-ceramic materials for nuclear fusion technology. <i>Journal of Nuclear Materials</i> , 2022 , 153783	3.3	0
194	Potential Role of Vitrification and Waste Vitrification in the Circular Economy. <i>Polito Springer Series</i> , 2021 , 325-343	0.4	0
193	Glasses and Glass-Ceramics for Biomedical Applications. <i>Polito Springer Series</i> , 2021 , 153-201	0.4	1
192	Vitrification of municipal solid waste incineration fly ash: An approach to find the successful batch compositions. <i>Ceramics International</i> , 2021 , 47, 7738-7744	5.1	5
191	Multifunctional stratified composite coatings by electrophoretic deposition and RF co-sputtering for orthopaedic implants. <i>Journal of Materials Science</i> , 2021 , 56, 7920-7935	4.3	7
190	Study on the joining of ceramic matrix composites to an Al alloy for advanced brake systems. <i>Ceramics International</i> , 2021 , 47, 23463-23473	5.1	2
189	Torsional shear strength and elastic properties of adhesively bonded glass-to-steel components. <i>Materials and Design</i> , 2020 , 192, 108739	8.1	5
188	Virucidal effect against coronavirus SARS-CoV-2 of a silver nanocluster/silica composite sputtered coating. <i>Open Ceramics</i> , 2020 , 1, 100006	3.3	99
187	Joining of SiC, alumina, and mullite by the Refractory Metal-Wrap pressure-less process. <i>International Journal of Applied Ceramic Technology</i> , 2020 , 17, 980-989	2	2
186	Surface machining of Ti6Al4V by means of Micro-Electrical Discharging to improve adhesive joining. <i>Journal of Materials Processing Technology</i> , 2020 , 286, 116813	5.3	11
185	Etching of Carbon Fiber-Reinforced Plastics to Increase Their Joint Strength. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 242-250	1.6	
184	Glass as a joining material for ceramic matrix composites: 25 years of research at Politecnico di Torino. <i>International Journal of Applied Glass Science</i> , 2020 , 11, 569-576	1.8	3
183	A plasma pre-treatment to improve adhesion on SiC and Si ₃ N ₄ ceramics. <i>Materials Letters</i> , 2020 , 272, 127855	3.3	0

182 Graphite and Carbon Fiber Composite for Fusion **2020**, 54-92

181 Torsional shear strength behavior of advanced glass-ceramic sealants for SOFC/SOEC applications. *Journal of the European Ceramic Society*, **2020**, 40, 4067-4075 6 13

180 Adsorption of Pb and Cd in rice husk and their immobilization in porous glass-ceramic structures. *International Journal of Applied Ceramic Technology*, **2020**, 17, 105-112 2 4

179 Antipathogen nanostructured coating for air filters. *Applied Surface Science*, **2020**, 508, 145283 6.7 16

178 Antibacterial inorganic coatings on metallic surfaces for temporary fixation devices. *Applied Surface Science*, **2020**, 508, 144707 6.7 4

177 Vitrified and nonvitrified municipal solid wastes as ordinary Portland cement (OPC) and sand substitution in mortars. *International Journal of Applied Ceramic Technology*, **2020**, 17, 573-583 2 5

176 Progress in development of SiC-based joints resistant to neutron irradiation. *Journal of the European Ceramic Society*, **2020**, 40, 1023-1034 6 13

175 Adhesive Joining of Zerodur®FRP®Zerodur Sandwich Structures for Aerospace Applications. *Macromolecular Materials and Engineering*, **2020**, 305, 2000464 3.9 4

174 Design, Realization, and Characterization of Advanced Adhesives for Joining Ultra-Stable C/C Based Components. *Macromolecular Materials and Engineering*, **2020**, 305, 2000229 3.9 2

173 Processing, structural and humidity sensing properties of PbTiO₃ ceramic synthesized by solid state reaction. *Journal of Porous Materials*, **2020**, 27, 947-958 2.4 6

172 Characterisation of joined surface modified SiCf/SiC composites. *Ceramics International*, **2020**, 46, 4159-4166 3

171 Antibacterial nanostructured composite coating on high performance Vectran® fabric for aerospace structures. *Surface and Coatings Technology*, **2019**, 373, 47-55 4.4 12

170 Joining and mechanical testing of oxide/oxide (Nextel®B10/alumina-zirconia) ceramic composites. *Journal of the European Ceramic Society*, **2019**, 39, 2510-2517 6 5

169 Antibacterial, highly hydrophobic and semi transparent Ag/plasma polymer nanocomposite coating on cotton fabric obtained by plasma based co-deposition. *Cellulose*, **2019**, 26, 8877-8894 5.5 22

168 Refractory Metal, RM®Wrap®A tailorable, pressure-less joining technology. *Ceramics International*, **2019**, 45, 4824-4834 5.1 4

167 Production and characterization of ceramic foams derived from vitrified bottom ashes. *Materials Letters*, **2019**, 236, 281-284 3.3 16

166 CaO-Al₂O₃ glass-ceramic as a joining material for SiC based components: A microstructural study of the effect of Si-ion irradiation. *Journal of Nuclear Materials*, **2018**, 501, 172-180 3.3 32

165 Joining of carbon fibre reinforced polymer to Al-Si alloy for space applications. *International Journal of Adhesion and Adhesives*, **2018**, 82, 146-152 3.4 13

164	In situ TiC particle reinforced TiCuZrNi brazing alloy for joining C/C composites to Ti6Al4V. <i>International Journal of Applied Ceramic Technology</i> , 2018 , 15, 611-618	2	14
163	SiC foam sandwich structures obtained by Mo-wrap joining. <i>Materials Letters</i> , 2018 , 221, 240-243	3.3	8
162	Development and characterisation of dynamic bi-phase (epoxy/PU) composites for enhanced impact resistance. <i>Composites Part B: Engineering</i> , 2018 , 155, 122-131	10	11
161	Recent progress in the development of SiC composites for nuclear fusion applications. <i>Journal of Nuclear Materials</i> , 2018 , 511, 544-555	3.3	70
160	Torsional shear strength of novel glass-ceramic composite sealants for solid oxide fuel cell stacks. <i>International Journal of Applied Ceramic Technology</i> , 2018 , 15, 286-295	2	11
159	Joining and testing of alumina fibre reinforced YAG-ZrO ₂ matrix composites. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1802-1811	6	10
158	Brazing of Mo to Glidcop Dispersion Strengthened Copper for Accelerating Structures. <i>Materials</i> , 2018 , 11,	3.5	1
157	Joining of Aluminium Alloy Sheets to Aluminium Alloy Foam Using Metal Glasses. <i>Metals</i> , 2018 , 8, 614	2.3	8
156	5.11 Joining and Machining of CMCs 2018 , 293-307		1
155	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> , 2017 , 105, 1586-1593	3.5	17
154	Joining of AL-6016 to Al-foam using Zn-based joining materials. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 96, 122-128	8.4	19
153	Antimicrobial functionalization of cotton fabric with silver nanoclusters/silica composite coating via RF co-sputtering technique. <i>Cellulose</i> , 2017 , 24, 2331-2345	5.5	61
152	Flash joining of CVD-SiC coated Cf/SiC composites with a Ti interlayer. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 3841-3848	6	24
151	Glass-ceramic joining material for sodium-based battery. <i>Ceramics International</i> , 2017 , 43, 8329-8333	5.1	15
150	Learning from Nature: Using bioinspired approaches and natural materials to make porous bioceramics. <i>International Journal of Applied Ceramic Technology</i> , 2017 , 14, 507-520	2	34
149	Polypropylene prostheses coated with silver nanoclusters/silica coating obtained by sputtering: Biocompatibility and antibacterial properties. <i>Surface and Coatings Technology</i> , 2017 , 319, 326-334	4.4	15
148	Surface engineering of SiCf/SiC composites by selective thermal removal. <i>International Journal of Applied Ceramic Technology</i> , 2017 , 14, 287-294	2	4
147	Pressure-less joining of C/SiC and SiC/SiC by a MoSi ₂ /Si composite. <i>International Journal of Applied Ceramic Technology</i> , 2017 , 14, 305-312	2	12

146	Antibacterial silver nanocluster/silica composite coatings on stainless steel. <i>Applied Surface Science</i> , 2017 , 396, 1546-1555	6.7	30
145	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 & Interfaces</i> , 2017 , 9, 32489-32497	9.5	43
144	Bonding of ceramics: An analysis of the torsion hourglass specimen. <i>International Journal of Adhesion and Adhesives</i> , 2016 , 70, 46-52	3.4	13
143	Antibacterial Nanocoatings for Ocular Applications. <i>Advances in Science and Technology</i> , 2016 , 102, 24-28	0.1	2
142	Microstructure and mechanical properties of C/C composite/Ti6Al4V joints with a Cu/TiCuZrNi composite brazing alloy. <i>Ceramics International</i> , 2016 , 42, 6347-6354	5.1	46
141	Friction, mechanical and ageing properties of surface modified materials for space debris capture. <i>Advances in Space Research</i> , 2016 , 57, 1177-1188	2.4	2
140	Novel antibacterial ocular prostheses: Proof of concept and physico-chemical characterization. <i>Materials Science and Engineering C</i> , 2016 , 60, 467-474	8.3	26
139	He-irradiation effects on glass-ceramics for joining of SiC-based materials. <i>Journal of Nuclear Materials</i> , 2016 , 472, 28-34	3.3	11
138	Ceramic protection plates brazed to aluminum brake discs. <i>Ceramics International</i> , 2016 , 42, 15739-15746	0.1	16
137	Joining of CVD-SiC coated and uncoated fibre reinforced ceramic matrix composites with pre-sintered Ti3SiC2 MAX phase using Spark Plasma Sintering. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 3957-3967	6	48
136	Synthesis of magnetic hydroxyapatite by hydrothermal-microwave technique: Dielectric, protein adsorption, blood compatibility and drug release studies. <i>Ceramics International</i> , 2015 , 41, 13153-13163	5.1	44
135	Microwave Assisted Self-Propagating High-Temperature Synthesis for Joining SiC Ceramics and SiC/SiC Composites by Ni-Al System. <i>Applied Mechanics and Materials</i> , 2015 , 727-728, 213-218	0.3	3
134	Erbium-doped borosilicate glasses containing various amounts of P2O5 and Al2O3: Influence of the silica content on the structure and thermal, physical, optical and luminescence properties. <i>Materials Research Bulletin</i> , 2015 , 70, 47-54	5.1	4
133	Modeling and testing miniature torsion specimens for SiC joining development studies for fusion. <i>Journal of Nuclear Materials</i> , 2015 , 466, 253-268	3.3	14
132	Fracture behavior of soldered Al2O3 ceramic to A356 aluminum alloy and resistance of the joint to low temperature exposure. <i>Materials and Design</i> , 2015 , 88, 889-896	8.1	20
131	Influence of P2O5 and Al2O3 content on the structure of erbium-doped borosilicate glasses and on their physical, thermal, optical and luminescence properties. <i>Materials Research Bulletin</i> , 2015 , 63, 41-50	5.1	12
130	Comparison of Shear Strength of Ceramic Joints Determined by Various Test Methods with Small Specimens. <i>Ceramic Engineering and Science Proceedings</i> , 2015 , 139-149	0.1	1
129	Torsional Shear Strength Tests for Glass-Ceramic Joined Silicon Carbide. <i>International Journal of Applied Ceramic Technology</i> , 2015 , 12, 693-699	2	12

128	GlaCERCo: Glass and Ceramic Composites for High Technology Applications [Marie Curie Initial Training Network. <i>Advances in Applied Ceramics</i> , 2015 , 114, S1-S2	2.3	1
127	Joining of C/SiC composites by spark plasma sintering technique. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 903-913	6	81
126	Biomaterials for orbital implants and ocular prostheses: overview and future prospects. <i>Acta Biomaterialia</i> , 2014 , 10, 1064-87	10.8	62
125	Chemical, mechanical and antibacterial properties of silver nanocluster/silica composite coated textiles for safety systems and aerospace applications. <i>Applied Surface Science</i> , 2014 , 317, 131-139	6.7	19
124	Silver nanocluster-silica composite antibacterial coatings for materials to be used in mobile telephones. <i>Applied Surface Science</i> , 2014 , 313, 107-115	6.7	22
123	Thermal and structural characterization of erbium-doped borosilicate fibers with low silica content containing various amounts of P2O5 and Al2O3. <i>Optical Materials</i> , 2014 , 37, 87-92	3.3	1
122	Characterization of innovative CFC/Cu joints by full-field measurements and finite elements. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 595, 306-317	5.3	8
121	Integration and Joining of Ceramic Matrix Composites 2014 , 549-567		1
120	Novel Glass-Ceramic Composition as Sealant for SOFCs. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3835-3842	3.8	30
119	Shear Strength Measurement of AV119 Epoxy-Joined SiC by Different Torsion Tests. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 394-401	2	10
118	Radiation-tolerant joining technologies for silicon carbide ceramics and composites. <i>Journal of Nuclear Materials</i> , 2014 , 448, 497-511	3.3	108
117	Joining of SiC by spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1681-1686	6	72
116	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> , 2013 , 33, 1707-1719	6	42
115	New glass-based coatings coloured with red pigments for Foamglas panels. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 1517-1523	6	0
114	Mn1.5Co1.5O4 protective coating on Crofer22APU produced by thermal co-evaporation for SOFCs. <i>Materials Letters</i> , 2013 , 95, 82-85	3.3	20
113	Performance of a glass-ceramic sealant in a SOFC short stack. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 588-596	6.7	35
112	Optimization of composition, structure and mechanical strength of bioactive 3-D glass-ceramic scaffolds for bone substitution. <i>Journal of Biomaterials Applications</i> , 2013 , 27, 872-90	2.9	77
111	Silver Nanocluster/Silica Composite Coatings Obtained by Sputtering for Antibacterial Applications. <i>Engineering Materials</i> , 2013 , 225-247	0.4	4

110	Shear and Bending Strength of SiC/SiC Joined by a Modified Commercial Adhesive. <i>International Journal of Applied Ceramic Technology</i> , 2012 , 9, 778-785	2	19
109	Torsion Tests on AV119 Epoxy Joined SiC. <i>International Journal of Applied Ceramic Technology</i> , 2012 , 9, 795-807	2	18
108	Torsional Shear Strength of Silicon Carbide Components Pressurelessly Joined by a Glass-Ceramic. <i>International Journal of Applied Ceramic Technology</i> , 2012 , 9, 786-794	2	26
107	A Brazilian Disk Test for the Evaluation of the Shear Strength of Epoxy-Joined Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2012 , 9, 808-815	2	8
106	Thermal fatigue characterization of CFC divertor modules using a one step brazing process. <i>Journal of Nuclear Materials</i> , 2012 , 426, 78-84	3.3	8
105	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> , 2012 , 429, 166-172	3.3	38
104	Durable Glass-Ceramic Coatings for Foam Glass. <i>International Journal of Applied Glass Science</i> , 2012 , 3, 69-74	1.8	3
103	Investigation of the Faraday effect in tellurite glass optical fibre 2012 ,		1
102	Antibacterial coating on polymer for space application. <i>Materials Chemistry and Physics</i> , 2012 , 135, 714-722	4.4	41
101	Characterization of New Glass Coated Foam Glass Insulating Tiles by Standard Tests. <i>Journal of Materials Engineering and Performance</i> , 2012 , 21, 2380-2388	1.6	5
100	Surface modification of carbon/carbon composites to improve their wettability by copper. <i>Carbon</i> , 2012 , 50, 2296-2306	10.4	36
99	Adhesion Aspects in Composites 2011 , 1		
98	Joining and Integration Issues of Ceramic Matrix Composites for the Nuclear Industry 2011 , 39-89		2
97	A New Glass Coating for Foam Glass. <i>International Journal of Applied Ceramic Technology</i> , 2011 , 8, 187-193	2.3	7
96	Joining of SiC-based materials for nuclear energy applications. <i>Journal of Nuclear Materials</i> , 2011 , 417, 379-382	3.3	70
95	Silicon carbide composites as fusion power reactor structural materials. <i>Journal of Nuclear Materials</i> , 2011 , 417, 330-339	3.3	182
94	Surface functionalization of Ag-nanoclusters/Silica composite films for biosensing. <i>Materials Chemistry and Physics</i> , 2011 , 130, 1307-1316	4.4	21
93	Performance and testing of joined Crofer22APU-glass-ceramic sealant-anode supported cell in SOFC relevant conditions. <i>Materials Letters</i> , 2011 , 65, 1048-1052	3.3	32

92	Thermal cycling and ageing of a glass-ceramic sealant for planar SOFCs. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11895-11903	6.7	42
91	Evaluation of residual stresses in carbon/carbon composites components joined to copper before and after pulse electromagnetic treatment. <i>Strength of Materials</i> , 2011 , 43, 637-644	0.6	1
90	Fabrication of large-area microfluidics structures on glass by imprinting and diode-pumped solid state laser writing techniques. <i>Microsystem Technologies</i> , 2011 , 17, 1611-1619	1.7	5
89	Novel Tm ³⁺ -doped fluorotellurite glasses with enhanced quantum efficiency. <i>Optical Materials</i> , 2011 , 33, 428-437	3.3	25
88	Study on Thermal Assisted Direct Bonding of Glasses for Lab-on-Chip Application through Surface Activation Process. <i>Advanced Materials Research</i> , 2011 , 327, 124-129	0.5	2
87	HREM characterization of nano-composite Au/SiO ₂ layers. <i>Journal of Microscopy</i> , 2010 , 237, 333-6	1.9	0
86	Joining of Advanced Ceramics, Glasses and Composites at Politecnico di Torino, Italy. <i>Key Engineering Materials</i> , 2010 , 434-435, 197-201	0.4	8
85	Microwave Activated Combustion Synthesis and Compaction in Separate E and H Fields: Numerical Simulation and Experimental Results. <i>Advances in Science and Technology</i> , 2010 , 63, 197-202	0.1	8
84	Spectroscopy and optical characterization of thulium doped TZN glasses. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 135104	3	22
83	Tm ³⁺ and Yb ³⁺ co-doped tellurite glasses for short cavity optical fiber lasers: Fabrication and optical characterization. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2378-2383	3.9	11
82	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> , 2010 , 210, 791-798	5.3	8
81	Measurement of thermal properties of a ceramic/metal joint by laser flash method. <i>Journal of Nuclear Materials</i> , 2010 , 407, 83-87	3.3	47
80	Optimization of thermal assisted direct bonding of soda-lime glasses for lab-on chip application. <i>Microsystem Technologies</i> , 2010 , 16, 527-532	1.7	7
79	A New Glass to Join Foam Glass Components. <i>Journal of Materials Engineering and Performance</i> , 2010 , 19, 1244-1247	1.6	3
78	Comparison of shear strength tests on AV119 epoxy-joined ceramics. <i>Journal of Materials Science</i> , 2010 , 45, 4401-4405	4.3	19
77	Silver nanocluster/silica composite coatings with antibacterial properties. <i>Materials Chemistry and Physics</i> , 2010 , 120, 123-126	4.4	42
76	Yttria-stabilized zirconia thin film electrolyte produced by RF sputtering for solid oxide fuel cell applications. <i>Materials Letters</i> , 2010 , 64, 2450-2453	3.3	28
75	Chemical, Mechanical, and Antibacterial Properties of Silver Nanocluster/Silica Composite Coatings Obtained by Sputtering. <i>Advanced Engineering Materials</i> , 2010 , 12, B276-B282	3.5	28

74	New glass and glass/ceramic sealants for planar solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 933-940	6	58
73	Study of joining of carbon/carbon composites for ultra stable structures. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 1751-1759	6	26
72	Processing and characterization of core/clad tellurite glass preforms and fibers fabricated by rotational casting. <i>Optical Materials</i> , 2010 , 32, 582-588	3.3	18
71	Micro-structures fabrication on glasses for micro-fluidics by imprinting technique. <i>Microsystem Technologies</i> , 2009 , 15, 1067-1071	1.7	15
70	Thermal assisted direct bonding between structured glasses for lab-on-chip technology. <i>Microsystem Technologies</i> , 2009 , 15, 1873-1877	1.7	9
69	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> , 2009 , 190, 402-407	8.9	62
68	Use of vitrified MSWI bottom ashes for concrete production. <i>Waste Management</i> , 2009 , 29, 1041-7	8.6	78
67	One-step brazing process for CFC monoblock joints and mechanical testing. <i>Journal of Nuclear Materials</i> , 2009 , 393, 300-305	3.3	15
66	Development of titania coatings on glass foams. <i>Construction and Building Materials</i> , 2009 , 23, 2554-2558	7	27
65	Erosion protective coatings for low density, highly porous carbon/carbon composites. <i>Carbon</i> , 2009 , 47, 1511-1519	10.4	27
64	Preparation and characterization of new fluorotellurite glasses for photonics application. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 447-452	3.9	53
63	Spectroscopic investigation and optical characterization of novel highly thulium doped tellurite glasses. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 548-555	3.9	33
62	Electric field induced structural modification and second order optical nonlinearity in potassium niobium silicate glass. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 2578-2582	3.9	12
61	Fabrication and direct bonding of photosensitive multicomponent silicate glasses for lossless planar waveguide splitters. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1230-1234	3.9	11
60	Investigation of infrared emission and lifetime in Tm-doped 75TeO ₂ :20ZnO:5Na ₂ O (mol%) glasses: Effect of Ho and Yb co-doping. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1955-1961	3.9	20
59	Neutron diffraction measurement of residual stresses in CFC/Cu/CuCrZr joints for nuclear fusion technology. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104260	1.8	1
58	One-step brazing process to join CFC composites to copper and copper alloy. <i>Journal of Nuclear Materials</i> , 2008 , 374, 69-74	3.3	37
57	Experimental evaluation of pulse electric current effect on residual stresses in composite-to-copper joints. <i>Strength of Materials</i> , 2008 , 40, 452-457	0.6	9

56	Joining of machined SiC/SiC composites for thermonuclear fusion reactors. <i>Journal of Nuclear Materials</i> , 2008 , 375, 410-415	3.3	65
55	Glass/ceramic seal to join Crofer 22 APU alloy to YSZ ceramic in planar SOFCs. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 61-68	6	119
54	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> , 2008 , 28, 611-616	6	62
53	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> , 2008 , 28, 2521-2527	6	58
52	Protective coatings for carbon bonded carbon fibre composites. <i>Ceramics International</i> , 2008 , 34, 1297-1301	3.01	60
51	Non-destructive characterization of carbon fiber composite/Cu joints for nuclear fusion applications. <i>Fusion Engineering and Design</i> , 2008 , 83, 702-712	1.7	12
50	Protective coatings for induction casting of titanium. <i>Surface and Coatings Technology</i> , 2007 , 201, 9541-9548	4.48	7
49	Characterising the sintering behaviour of pulverised fuel ash using heating stage microscopy. <i>Materials Characterization</i> , 2007 , 58, 980-988	3.9	29
48	Microwave assisted diffusion of Au-nanoclusters in vitreous silica. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 2526-2531	3.9	2
47	EPR and UV-vis characterization of multicomponent germano-silicate glasses for photonics. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 2267-2278	3.9	6
46	Structural and optical characterization of RF-sputtered metal cluster doped silica thin films. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 2548-2552	3.9	7
45	Proposal for a new technique to join CFC composites to copper. <i>Journal of Nuclear Materials</i> , 2006 , 348, 102-107	3.3	51
44	Shear Strength Tests of Joined Advanced Ceramics 2006 ,		3
43	Self induced gratings in ternary SiO ₂ :SnO ₂ :Na ₂ O bulk glasses by UV light seeding. <i>Optics Express</i> , 2005 , 13, 6878-86	3.3	5
42	Photosensitive properties of a tin-doped sodium silicate glass for direct ultraviolet writing. <i>Applied Physics Letters</i> , 2004 , 84, 3259-3261	3.4	9
41	Production of glass/ceramic bodies from the bottom ashes of municipal solid waste incinerators. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 803-810	6	72
40	Oxidation Protective Glass-Ceramic Coating for SiC Fibre Reinforced Glass Matrix Composites. <i>Advanced Engineering Materials</i> , 2004 , 6, 910-914	3.5	1
39	Direct joining of CFC to copper. <i>Journal of Nuclear Materials</i> , 2004 , 329-333, 1563-1566	3.3	41

38	UV-Vis, FT-IR and EPR investigation on multi-component germano-silicate glasses for photonics. <i>Journal of Non-Crystalline Solids</i> , 2004 , 347, 246-253	3.9	17
37	Multilayer coating with self-sealing properties for carbon/carbon composites. <i>Carbon</i> , 2003 , 41, 2105-2111	10.4	123
36	Modelling of diffractive structures in photorefractive Er/Yb-doped glass waveguides. <i>Optics and Lasers in Engineering</i> , 2003 , 39, 333-344	4.6	4
35	Novel erbium doped PbO and B ₂ O ₃ based glasses with broad 1.5 μ m absorption line width and low refractive index. <i>Journal of Non-Crystalline Solids</i> , 2003 , 324, 1-11	3.9	31
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