

Monica Ferraris

List of Publications by Year in descending order

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208
papers

5,786
citations

61984

43
h-index

106344

65
g-index

216
all docs

216
docs citations

216
times ranked

4431
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation protective multilayer coatings for carbon-carbon composites. Carbon, 2002, 40, 583-587.	10.3	214
2	Silicon carbide composites as fusion power reactor structural materials. Journal of Nuclear Materials, 2011, 417, 330-339.	2.7	211
3	Virucidal effect against coronavirus SARS-CoV-2 of a silver nanocluster/silica composite sputtered coating. Open Ceramics, 2020, 1, 100006.	2.0	166
4	Glass-ceramic seal to join Crofer 22 APU alloy to YSZ ceramic in planar SOFCs. Journal of the European Ceramic Society, 2008, 28, 61-68.	5.7	140
5	Radiation-tolerant joining technologies for silicon carbide ceramics and composites. Journal of Nuclear Materials, 2014, 448, 497-511.	2.7	140
6	Multilayer coating with self-sealing properties for carbon-carbon composites. Carbon, 2003, 41, 2105-2111.	10.3	132
7	Coatings on zirconia for medical applications. Biomaterials, 2000, 21, 765-773.	11.4	117
8	Recent progress in the development of SiC composites for nuclear fusion applications. Journal of Nuclear Materials, 2018, 511, 544-555.	2.7	114
9	Joining of C/SiC composites by spark plasma sintering technique. Journal of the European Ceramic Society, 2014, 34, 903-913.	5.7	97
10	Use of vitrified MSWI bottom ashes for concrete production. Waste Management, 2009, 29, 1041-1047.	7.4	93
11	Joining of β -SiC by spark plasma sintering. Journal of the European Ceramic Society, 2014, 34, 1681-1686.	5.7	90
12	Biomaterials for orbital implants and ocular prostheses: Overview and future prospects. Acta Biomaterialia, 2014, 10, 1064-1087.	8.3	87
13	Optimization of composition, structure and mechanical strength of bioactive 3-D glass-ceramic scaffolds for bone substitution. Journal of Biomaterials Applications, 2013, 27, 872-890.	2.4	86
14	Production of glass-ceramic bodies from the bottom ashes of municipal solid waste incinerators. Journal of the European Ceramic Society, 2004, 24, 803-810.	5.7	84
15	In vitro characterisation of zirconia coated by bioactive glass. Biomaterials, 2001, 22, 987-994.	11.4	81
16	Joining of SiC-based materials for nuclear energy applications. Journal of Nuclear Materials, 2011, 417, 379-382.	2.7	80
17	Protective glass coating for carbon-carbon composites. Carbon, 1998, 36, 1213-1218.	10.3	78
18	Joining of machined SiC/SiC composites for thermonuclear fusion reactors. Journal of Nuclear Materials, 2008, 375, 410-415.	2.7	76

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19	Antimicrobial functionalization of cotton fabric with silver nanoclusters/silica composite coating via RF co-sputtering technique. <i>Cellulose</i> , 2017, 24, 2331-2345.	4.9	75
20	Joining of CVD-SiC coated and uncoated fibre reinforced ceramic matrix composites with pre-sintered Ti ₃ SiC ₂ MAX phase using Spark Plasma Sintering. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3957-3967.	5.7	70
21	Glass matrix composites from solid waste materials. <i>Journal of the European Ceramic Society</i> , 2001, 21, 453-460.	5.7	69
22	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.	5.7	68
23	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.	7.8	67
24	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.	5.7	66
25	Protective coatings for carbon bonded carbon fibre composites. <i>Ceramics International</i> , 2008, 34, 1297-1301.	4.8	63
26	New glass and glass-ceramic sealants for planar solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , 2010, 30, 933-940.	5.7	60
27	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.	4.8	60
28	Sintering and plasma spray deposition of bioactive glass-Matrix composites for medical applications. <i>Journal of the European Ceramic Society</i> , 1998, 18, 363-372.	5.7	59
29	Preparation and characterization of new fluorotellurite glasses for photonics application. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 447-452.	3.1	58
30	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.	8.0	58
31	Measurement of thermal properties of a ceramic/metal joint by laser flash method. <i>Journal of Nuclear Materials</i> , 2010, 407, 83-87.	2.7	55
32	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.	4.8	55
33	Joining of Carbon-Carbon Composites for Thermonuclear Fusion Applications. <i>Journal of the American Ceramic Society</i> , 1997, 80, 206-212.	3.8	53
34	Novel Er-doped PbO and B ₂ O ₃ based glasses: investigation of quantum efficiency and non-radiative transition probability for 1.5 μ m broadband emission fluorescence. <i>Journal of Non-Crystalline Solids</i> , 2003, 324, 12-20.	3.1	53
35	Joining of surface modified carbon/carbon composites using a barium-aluminum-boro-silicate glass. <i>Journal of the European Ceramic Society</i> , 1998, 18, 1017-1024.	5.7	52
36	Proposal for a new technique to join CFC composites to copper. <i>Journal of Nuclear Materials</i> , 2006, 348, 102-107.	2.7	52

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37	Silver nanocluster-silica composite coatings with antibacterial properties. <i>Materials Chemistry and Physics</i> , 2010, 120, 123-126.	4.0	50
38	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.	2.7	48
39	One-step brazing process to join CFC composites to copper and copper alloy. <i>Journal of Nuclear Materials</i> , 2008, 374, 69-74.	2.7	46
40	Antibacterial coating on polymer for space application. <i>Materials Chemistry and Physics</i> , 2012, 135, 714-722.	4.0	46
41	Microwave assisted combustion synthesis in the system Ti-Si-C for the joining of SiC: Experimental and numerical simulation results. <i>Journal of the European Ceramic Society</i> , 2013, 33, 1707-1719.	5.7	46
42	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.	2.1	46
43	Thermal cycling and ageing of a glass-ceramic sealant for planar SOFCs. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11895-11903.	7.1	44
44	Surface modification of carbon/carbon composites to improve their wettability by copper. <i>Carbon</i> , 2012, 50, 2296-2306.	10.3	44
45	Direct joining of CFC to copper. <i>Journal of Nuclear Materials</i> , 2004, 329-333, 1563-1566.	2.7	43
46	Spectroscopic investigation and optical characterization of novel highly thulium doped tellurite glasses. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 548-555.	3.1	43
47	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.	5.7	42
48	CaO-Al ₂ O ₃ 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> , 2018, 501, 172-180.	2.7	41
49	Cordierite-mullite coating for SiCf/SiC composites. <i>Journal of the European Ceramic Society</i> , 2002, 22, 2343-2347.	5.7	38
50	Yttria-stabilized zirconia thin film electrolyte produced by RF sputtering for solid oxide fuel cell applications. <i>Materials Letters</i> , 2010, 64, 2450-2453.	2.6	38
51	Novel Glass-Ceramic Composition as Sealant for SOFCs. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3835-3842.	3.8	38
52	Performance of a glass-ceramic sealant in a SOFC short stack. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 588-596.	7.1	35
53	Antibacterial silver nanocluster/silica composite coatings on stainless steel. <i>Applied Surface Science</i> , 2017, 396, 1546-1555.	6.1	34
54	Antibacterial, highly hydrophobic and semi transparent Ag/plasma polymer nanocomposite coating on cotton fabric obtained by plasma based co-deposition. <i>Cellulose</i> , 2019, 26, 8877-8894.	4.9	34

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55	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.	3.1	33
56	Characterising the sintering behaviour of pulverised fuel ash using heating stage microscopy. <i>Materials Characterization</i> , 2007, 58, 980-988.	4.4	32
57	Performance and testing of joined Crofer22APU-glass-ceramic sealant-anode supported cell in SOFC relevant conditions. <i>Materials Letters</i> , 2011, 65, 1048-1052.	2.6	32
58	Chemical, Mechanical, and Antibacterial Properties of Silver Nanocluster-Silica Composite Coatings Obtained by Sputtering. <i>Advanced Engineering Materials</i> , 2010, 12, B276.	3.5	31
59	Study of joining of carbon/carbon composites for ultra stable structures. <i>Journal of the European Ceramic Society</i> , 2010, 30, 1751-1759.	5.7	31
60	Erosion protective coatings for low density, highly porous carbon/carbon composites. <i>Carbon</i> , 2009, 47, 1511-1519.	10.3	30
61	Bioverit® I base glass/Ti particulate biocomposite: <i>in situ</i> vacuum plasma spray deposition. <i>Journal of the European Ceramic Society</i> , 2000, 20, 473-479.	5.7	29
62	Novel antibacterial ocular prostheses: Proof of concept and physico-chemical characterization. <i>Materials Science and Engineering C</i> , 2016, 60, 467-474.	7.3	29
63	Development of titania coatings on glass foams. <i>Construction and Building Materials</i> , 2009, 23, 2554-2558.	7.2	28
64	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.	2.1	28
65	Antipathogen nanostructured coating for air filters. <i>Applied Surface Science</i> , 2020, 508, 145283.	6.1	28
66	Spectroscopy and optical characterization of thulium doped TZN glasses. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 135104.	2.8	27
67	Glass coating for SiCf/SiC composites for high-temperature application. <i>Acta Materialia</i> , 2000, 48, 4721-4724.	7.9	26
68	Novel Tm ³⁺ -doped fluorotellurite glasses with enhanced quantum efficiency. <i>Optical Materials</i> , 2011, 33, 428-437.	3.6	26
69	Silver nanocluster-silica composite antibacterial coatings for materials to be used in mobile telephones. <i>Applied Surface Science</i> , 2014, 313, 107-115.	6.1	26
70	Torsional shear strength behavior of advanced glass-ceramic sealants for SOFC/SOEC applications. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4067-4075.	5.7	26
71	Vacuum Plasma Spray Deposition of Titanium Particle/Glass-Ceramic Matrix Biocomposites. <i>Journal of the American Ceramic Society</i> , 1996, 79, 1515-1520.	3.8	25
72	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.	7.6	25

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73	Viscous phase sintering of particle-reinforced glass matrix composites. Journal of the European Ceramic Society, 1996, 16, 421-427.	5.7	24
74	Bragg gratings in ternary SiO ₂ :SnO ₂ :Na ₂ O optical glass fibers. Optics Letters, 2000, 25, 1153.	3.3	24
75	Investigation of infrared emission and lifetime in Tm-doped 75TeO ₂ :20ZnO:5Na ₂ O (mol%) glasses: Effect of Ho and Yb co-doping. Journal of Non-Crystalline Solids, 2008, 354, 1955-1961.	3.1	24
76	Surface functionalization of Ag-nanoclusters@silica composite films for biosensing. Materials Chemistry and Physics, 2011, 130, 1307-1316.	4.0	23
77	Characterization of innovative CFC/Cu joints by full-field measurements and finite elements. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 595, 306-317.	5.6	23
78	Fracture behavior of soldered Al ₂ O ₃ ceramic to A356 aluminum alloy and resistance of the joint to low temperature exposure. Materials and Design, 2015, 88, 889-896.	7.0	23
79	Biocompatibility versus peritoneal mesothelial cells of polypropylene prostheses for hernia repair, coated with a thin silica/silver layer. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 1586-1593.	3.4	23
80	Vitrification of municipal solid waste incineration fly ash: An approach to find the successful batch compositions. Ceramics International, 2021, 47, 7738-7744.	4.8	23
81	Chemical, mechanical and antibacterial properties of silver nanocluster/silica composite coated textiles for safety systems and aerospace applications. Applied Surface Science, 2014, 317, 131-139.	6.1	22
82	Glass-ceramic joining material for sodium-based battery. Ceramics International, 2017, 43, 8329-8333.	4.8	22
83	Production and characterization of ceramic foams derived from vitrified bottom ashes. Materials Letters, 2019, 236, 281-284.	2.6	22
84	SiC particle reinforced Al matrix composites brazed on aluminum body for lightweight wear resistant brakes. Ceramics International, 2022, 48, 10941-10951.	4.8	22
85	Superoxide ions formed on MgO through the agency of presorbed molecules. Part 2. Details on the mechanism. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 333-337.	1.7	21
86	Cu-Pb rheocast alloy as joining material for CFC composites. Journal of Nuclear Materials, 1995, 226, 67-71.	2.7	21
87	UV-Vis, FT-IR and EPR investigation on multi-component germano-silicate glasses for photonics. Journal of Non-Crystalline Solids, 2004, 347, 246-253.	3.1	21
88	Comparison of shear strength tests on AV119 epoxy-joined ceramics. Journal of Materials Science, 2010, 45, 4401-4405.	3.7	21
89	Processing and characterization of core-clad tellurite glass preforms and fibers fabricated by rotational casting. Optical Materials, 2010, 32, 582-588.	3.6	21
90	Mn _{1.5} Co _{1.5} O ₄ protective coating on Crofer22APU produced by thermal co-evaporation for SOFCs. Materials Letters, 2013, 95, 82-85.	2.6	21

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91	Ceramic protection plates brazed to aluminum brake discs. <i>Ceramics International</i> , 2016, 42, 15739-15746.	4.8	21
92	Direct-UV-written buried channel waveguide lasers in direct-bonded intersubstrate ion-exchanged neodymium-doped germano-borosilicate glass. <i>Applied Physics Letters</i> , 2002, 81, 3522-3524.	3.3	20
93	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.	2.1	20
94	He-irradiation effects on glass-ceramics for joining of SiC-based materials. <i>Journal of Nuclear Materials</i> , 2016, 472, 28-34.	2.7	19
95	Antibacterial nanostructured composite coating on high performance Vectran [®] fabric for aerospace structures. <i>Surface and Coatings Technology</i> , 2019, 373, 47-55.	4.8	19
96	Progress in development of SiC-based joints resistant to neutron irradiation. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1023-1034.	5.7	19
97	Surface machining of Ti6Al4V by means of Micro-Electrical Discharging to improve adhesive joining. <i>Journal of Materials Processing Technology</i> , 2020, 286, 116813.	6.3	19
98	Torsion Tests on AV119 Epoxy \hat{c} Joined SiC. <i>International Journal of Applied Ceramic Technology</i> , 2012, 9, 795-807.	2.1	18
99	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.	5.2	18
100	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.	4.8	18
101	Development and characterisation of dynamic bi-phase (epoxy/PU) composites for enhanced impact resistance. <i>Composites Part B: Engineering</i> , 2018, 155, 122-131.	12.0	18
102	Joining of carbon fibre reinforced polymer to Al-Si alloy for space applications. <i>International Journal of Adhesion and Adhesives</i> , 2018, 82, 146-152.	2.9	17
103	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.	2.1	17
104	Torsional shear strength of novel glass \hat{c} ceramic composite sealants for solid oxide fuel cell stacks. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 286-295.	2.1	17
105	Multifunctional stratified composite coatings by electrophoretic deposition and RF co-sputtering for orthopaedic implants. <i>Journal of Materials Science</i> , 2021, 56, 7920-7935.	3.7	17
106	Pressureless sintering of bioverit [®] iii/ti particle biocomposites. <i>Journal of the European Ceramic Society</i> , 1999, 19, 2039-2047.	5.7	16
107	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.	3.1	16
108	Torsional Shear Strength Tests for Glass \hat{c} Ceramic Joined Silicon Carbide. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 693-699.	2.1	16

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109	Pressureless joining of C/SiC and SiC/SiC by a MoSi ₂ /Si composite. International Journal of Applied Ceramic Technology, 2017, 14, 305-312.	2.1	16
110	Photosensitivity and directly UV written waveguides in an ion exchangeable bulk oxide glass. Optical Materials, 2001, 18, 295-300.	3.6	15
111	Micro-structures fabrication on glasses for micro-fluidics by imprinting technique. Microsystem Technologies, 2009, 15, 1067-1071.	2.0	15
112	One-step brazing process for CFC monoblock joints and mechanical testing. Journal of Nuclear Materials, 2009, 393, 300-305.	2.7	15
113	Joining and testing of alumina fibre reinforced YAG-ZrO ₂ matrix composites. Journal of the European Ceramic Society, 2018, 38, 1802-1811.	5.7	15
114	Vitreous joining process of composites. Journal of the European Ceramic Society, 1996, 16, 1231-1236.	5.7	14
115	Modeling and testing miniature torsion specimens for SiC joining development studies for fusion. Journal of Nuclear Materials, 2015, 466, 253-268.	2.7	14
116	Bonding of ceramics: An analysis of the torsion hourglass specimen. International Journal of Adhesion and Adhesives, 2016, 70, 46-52.	2.9	14
117	Interfacial reaction in AZ61/AZ91/P100 Mg/graphite composite: an Auger spectroscopy investigation. Materials Letters, 1994, 21, 55-61.	2.6	13
118	Different fluorination processes with ammonium bifluoride and their effect on fluorozirconate glasses. Materials Research Bulletin, 1989, 24, 661-669.	5.2	12
119	Reaction of SiCf/SiC Composites with a Zinc Borate Glass. Journal of the American Ceramic Society, 1995, 78, 1691-1694.	3.8	12
120	Non-destructive characterization of carbon fiber composite/Cu joints for nuclear fusion applications. Fusion Engineering and Design, 2008, 83, 702-712.	1.9	12
121	Fabrication and direct bonding of photosensitive multicomponent silicate glasses for lossless planar waveguide splitters. Journal of Non-Crystalline Solids, 2008, 354, 1230-1234.	3.1	12
122	Tm ³⁺ and Yb ³⁺ co-doped tellurite glasses for short cavity optical fiber lasers: Fabrication and optical characterization. Journal of Non-Crystalline Solids, 2010, 356, 2378-2383.	3.1	12
123	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.	2.1	12
124	Joining of Aluminium Alloy Sheets to Aluminium Alloy Foam Using Metal Glasses. Metals, 2018, 8, 614.	2.3	11
125	Antibacterial inorganic coatings on metallic surfaces for temporary fixation devices. Applied Surface Science, 2020, 508, 144707.	6.1	11
126	Liquid-phase hot-pressing and WC-particle reinforcement of SiC-Si composites. Journal of the European Ceramic Society, 1994, 14, 549-555.	5.7	10

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127	Photosensitive properties of a tin-doped sodium silicate glass for direct ultraviolet writing. Applied Physics Letters, 2004, 84, 3259-3261.	3.3	10
128	Thermal assisted direct bonding between structured glasses for lab-on-chip technology. Microsystem Technologies, 2009, 15, 1873-1877.	2.0	10
129	Shear Strength Measurement of AV^{119} Epoxy-Joined SiC by Different Torsion Tests. International Journal of Applied Ceramic Technology, 2014, 11, 394-401.	2.1	10
130	SiC foam sandwich structures obtained by Mo-wrap joining. Materials Letters, 2018, 221, 240-243.	2.6	10
131	Processing, structural and humidity sensing properties of PbTiO ₃ ceramic synthesized by solid state reaction. Journal of Porous Materials, 2020, 27, 947-958.	2.6	10
132	Experimental evaluation of pulse electric current effect on residual stresses in composite-to-copper joints. Strength of Materials, 2008, 40, 452-457.	0.5	9
133	Joining and mechanical testing of oxide/oxide (Nextel \hat{a} , C610 /alumina-zirconia) ceramic composites. Journal of the European Ceramic Society, 2019, 39, 2510-2517.	5.7	9
134	Different processes for the preparation of fluorozirconate glasses. Materials Research Bulletin, 1990, 25, 891-897.	5.2	8
135	Identification of silicon nitride/InGaAs interface states. Applied Physics Letters, 1990, 56, 1661-1663.	3.3	8
136	Structural and optical characterization of Rf-sputtered metal cluster doped silica thin films. Journal of Non-Crystalline Solids, 2006, 352, 2548-2552.	3.1	8
137	Protective coatings for induction casting of titanium. Surface and Coatings Technology, 2007, 201, 9541-9548.	4.8	8
138	Brazing of Mo to a CuZr alloy for the production of bimetallic raw materials for the CLIC accelerating structures. Journal of Materials Processing Technology, 2010, 210, 791-798.	6.3	8
139	Joining of Advanced Ceramics, Glasses and Composites at Politecnico di Torino, Italy. Key Engineering Materials, 2010, 434-435, 197-201.	0.4	8
140	Microwave Activated Combustion Synthesis and Compaction in Separate E and H Fields: Numerical Simulation and Experimental Results. Advances in Science and Technology, 0, , .	0.2	8
141	A Brazilian Disk Test for the Evaluation of the Shear Strength of Epoxy-Joined Ceramics. International Journal of Applied Ceramic Technology, 2012, 9, 808-815.	2.1	8
142	Thermal fatigue characterization of CFC divertor modules using a one step brazing process. Journal of Nuclear Materials, 2012, 426, 78-84.	2.7	8
143	Characterisation of joined surface modified SiCf/SiC composites. Ceramics International, 2020, 46, 4159-4166.	4.8	8
144	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.	2.1	8

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145	Adhesive Joining of Zerodur®/CFRP®/Zerodur Sandwich Structures for Aerospace Applications. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000464.	3.6	8
146	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.	2.0	8
147	Modelling, additive layer manufacturing and testing of interlocking structures for joined components. <i>Scientific Reports</i> , 2022, 12, 2526.	3.3	8
148	Optimization of thermal assisted direct bonding of soda-lime glasses for lab-on chip application. <i>Microsystem Technologies</i> , 2010, 16, 527-532.	2.0	7
149	A New Glass Coating for Foam Glass. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 187-193.	2.1	7
150	Surface engineering of SiC _f /SiC composites by selective thermal removal. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 287-294.	2.1	7
151	Torsional shear strength and elastic properties of adhesively bonded glass-to-steel components. <i>Materials and Design</i> , 2020, 192, 108739.	7.0	7
152	Interfacial equilibria in titanium particle/glass ceramic composites. <i>Composites</i> , 1994, 25, 494-498.	0.7	6
153	Characterization of the UV-induced refractive index variation in a new photosensitive glass. , 1999, 3620, 263.		6
154	EPR and UV-Vis characterization of multicomponent germano-silicate glasses for photonics. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 2267-2278.	3.1	6
155	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.	2.0	6
156	Erbium-doped borosilicate glasses containing various amounts of P ₂ O ₅ and Al ₂ O ₃ : Influence of the silica content on the structure and thermal, physical, optical and luminescence properties. <i>Materials Research Bulletin</i> , 2015, 70, 47-54.	5.2	6
157	“Refractory Metal, RM” Wrap: A tailorable, pressure-less joining technology. <i>Ceramics International</i> , 2019, 45, 4824-4834.	4.8	6
158	Study on the joining of ceramic matrix composites to an Al alloy for advanced brake systems. <i>Ceramics International</i> , 2021, 47, 23463-23473.	4.8	6
159	High-Performance SiC-Based Solar Receivers for CSP: Component Manufacturing and Joining. <i>Materials</i> , 2021, 14, 4687.	2.9	6
160	Photosensitivity of germanium-doped multicomponent silicate glasses: role of boron and sodium ions. <i>Journal of Non-Crystalline Solids</i> , 2003, 328, 215-226.	3.1	5
161	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.	3.4	5
162	Characterization of New Glass Coated Foam Glass Insulating Tiles by Standard Tests. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 2380-2388.	2.5	5

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