

# Enrico Bernardo

## List of Publications by Citations

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186  
papers

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40  
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194  
ext. papers

5,009  
ext. citations

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#	Paper	IF	Citations
186	Inertization and reuse of waste materials by vitrification and fabrication of glass-based products. <i>Current Opinion in Solid State and Materials Science</i> , <b>2003</b> , 7, 225-239	12	190
185	Macro- and micro-cellular porous ceramics from preceramic polymers. <i>Composites Science and Technology</i> , <b>2003</b> , 63, 2353-2359	8.6	155
184	Glass foams from dismantled cathode ray tubes. <i>Ceramics International</i> , <b>2006</b> , 32, 603-608	5.1	137
183	Novel Microcellular Ceramics from a Silicone Resin. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 152-154	3.8	128
182	Reutilization and stabilization of wastes by the production of glass foams. <i>Ceramics International</i> , <b>2007</b> , 33, 963-968	5.1	124
181	Advanced Ceramics from Preceramic Polymers Modified at the Nano-Scale: A Review. <i>Materials</i> , <b>2014</b> , 7, 1927-1956	3.5	96
180	Review. Functional glasses and glass-ceramics derived from iron rich waste and combination of industrial residues. <i>Journal of Non-Crystalline Solids</i> , <b>2013</b> , 365, 63-74	3.9	74
179	Recycling of pre-stabilized municipal waste incinerator fly ash and soda-lime glass into sintered glass-ceramics. <i>Journal of Cleaner Production</i> , <b>2015</b> , 89, 224-230	10.3	73
178	Multifunctional advanced ceramics from preceramic polymers and nano-sized active fillers. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 453-469	6	67
177	SiOC ceramics with ordered porosity by 3D-printing of a preceramic polymer. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 2243-2252	2.5	67
176	Sintered sanidine glass-ceramics from industrial wastes. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 3335-3341	6	67
175	Sintered glass-ceramics from mixtures of wastes. <i>Ceramics International</i> , <b>2007</b> , 33, 27-33	5.1	66
174	Self glazed glass ceramic foams from metallurgical slag and recycled glass. <i>Journal of Cleaner Production</i> , <b>2013</b> , 59, 245-250	10.3	62
173	Foaming of flat glass cullet using Si <sub>3</sub> N <sub>4</sub> and MnO <sub>2</sub> powders. <i>Ceramics International</i> , <b>2009</b> , 35, 1953-1959	5.1	62
172	Recycling of waste glasses into partially crystallized glass foams. <i>Journal of Porous Materials</i> , <b>2010</b> , 17, 359-365	2.4	61
171	Direct Ink Writing of a Preceramic Polymer and Fillers to Produce Hardystonite (Ca <sub>2</sub> ZnSi <sub>2</sub> O <sub>7</sub> ) Bioceramic Scaffolds. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1960-1967	3.8	61
170	Design of glass foams with low environmental impact. <i>Ceramics International</i> , <b>2015</b> , 41, 3400-3408	5.1	59

169	3D-printed silicate porous bioceramics using a non-sacrificial preceramic polymer binder. <i>Biofabrication</i> , <b>2015</b> , 7, 025008	10.5	57
168	Porous glass-ceramics from alkali activation and sinter-crystallization of mixtures of waste glass and residues from plasma processing of municipal solid waste. <i>Journal of Cleaner Production</i> , <b>2018</b> , 188, 871-878	10.3	54
167	Optimisation of sintered glass-ceramics from an industrial waste glass. <i>Ceramics International</i> , <b>2010</b> , 36, 1675-1680	5.1	54
166	Novel inorganic gel casting process for the manufacturing of glass foams. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 2227-2234	6	52
165	Micro- and macro-cellular sintered glass-ceramics from wastes. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 2415-2422	6	51
164	Waste-to-resource preparation of glass-containing foams from geopolymers. <i>Ceramics International</i> , <b>2019</b> , 45, 7196-7202	5.1	51
163	Extensive reuse of soda-lime waste glass in fly ash-based geopolymers. <i>Construction and Building Materials</i> , <b>2018</b> , 188, 1077-1084	6.7	50
162	Mechanical properties of metal-particulate lead-silicate glass matrix composites obtained by means of powder technology. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 1819-1827	6	49
161	Borosilicate and lead silicate glass matrix composites containing pyrochlore phases for nuclear waste encapsulation. <i>Journal of Nuclear Materials</i> , <b>2004</b> , 327, 148-158	3.3	46
160	Direct ink writing of wollastonite-diopside glass-ceramic scaffolds from a silicone resin and engineered fillers. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 4187-4195	6	45
159	Fast-Sintered Gehlenite Glass-ceramics from Plasma-Vitrified Municipal Solid Waste Incinerator Fly Ashes. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 528-530	3.8	45
158	Sintered esseneite-wollastonite-plagioclase glass-ceramics from vitrified waste. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 2921-2927	6	45
157	Novel Mullite Synthesis Based on Alumina Nanoparticles and a Preceramic Polymer. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 1577-1583	3.8	45
156	Sintered and glazed glass-ceramics from natural and waste raw materials. <i>Ceramics International</i> , <b>2014</b> , 40, 3543-3551	5.1	44
155	LAS glass-ceramic scaffolds by three-dimensional printing. <i>Journal of the European Ceramic Society</i> , <b>2013</b> , 33, 1525-1533	6	43
154	Fast sinter-crystallization of a glass from waste materials. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 3486-3490	3.9	43
153	Recycle of Waste Glass into Glass-ceramic Stoneware. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 2156-2162	3.8	43
152	Development of lightweight porcelain stoneware tiles using foaming agents. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 745-752	6	42

151	Vitrification of wastes and preparation of chemically stable sintered glass-ceramic products. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 4017-4023	3.9	42
150	Sintered Glass-Ceramics and Glass-Ceramic Matrix Composites from CRT Panel Glass. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 1886-1891	3.8	42
149	Functional glass-ceramic foams from inorganic gel casting and sintering of glass/slag mixtures. <i>Journal of Cleaner Production</i> , <b>2018</b> , 187, 250-256	10.3	41
148	Glass-ceramic sealant for solid oxide fuel cells application: Characterization and performance in dual atmosphere. <i>Journal of Power Sources</i> , <b>2016</b> , 328, 262-270	8.9	41
147	Glass-ceramics from vitrified sewage sludge pyrolysis residues and recycled glasses. <i>Waste Management</i> , <b>2011</b> , 31, 2245-52	8.6	40
146	Kinetic Studies of Mullite Synthesis from Alumina Nanoparticles and a Preceramic Polymer. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 2529-2533	3.8	40
145	Digital light processing of wollastonite-diopside glass-ceramic complex structures. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4580-4584	6	38
144	Development and mechanical characterization of Al <sub>2</sub> O <sub>3</sub> platelet-reinforced glass matrix composites obtained from glasses coming from dismantled cathode ray tubes. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 1541-1550	6	38
143	'Glass based stoneware' as a promising route for the recycling of waste glasses. <i>Advances in Applied Ceramics</i> , <b>2009</b> , 108, 2-8	2.3	37
142	Recycling of inorganic waste in monolithic and cellular glass-based materials for structural and functional applications. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 1946-1961	3.5	36
141	Cellular glass-ceramics from a self foaming mixture of glass and basalt scoria. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 403, 38-46	3.9	35
140	SiALON ceramics from preceramic polymers and nano-sized fillers: Application in ceramic joining. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 1329-1335	6	35
139	Electrohydrodynamic forming of porous ceramic capsules from a preceramic polymer. <i>Materials Letters</i> , <b>2009</b> , 63, 483-485	3.3	35
138	Effect of time and furnace atmosphere on the sintering of glasses from dismantled cathode ray tubes. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 1637-1643	6	34
137	Biocompatibility and bioactivity of porous polymer-derived Ca-Mg silicate ceramics. <i>Acta Biomaterialia</i> , <b>2017</b> , 50, 56-67	10.8	33
136	Advanced ceramics from a preceramic polymer and nano-fillers. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 843-849	6	33
135	Lightweight glass-ceramic tiles from the sintering of mining tailings. <i>Ceramics International</i> , <b>2015</b> , 41, 5294-5300	5.1	32
134	Silicone resins mixed with active oxide fillers and Ca-Mg Silicate glass as alternative/integrative precursors for wollastonite-diopside glass-ceramic foams. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 416, 44-49	3.9	31

133	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
132	Development and mechanical properties of metal particulate glass matrix composites from recycled glasses. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2004</b> , 35, 17-22	8.4	30
131	Development of bioactive silicate-based glass-ceramics from preceramic polymer and fillers. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 731-739	6	29
130	Up-cycling of vitrified bottom ash from MSWI into glass-ceramic foams by means of inorganic gel casting and sinter-crystallization. <i>Construction and Building Materials</i> , <b>2018</b> , 192, 133-140	6.7	29
129	Bioactive Glass-Ceramic Scaffolds from Novel 'Inorganic Gel Casting' and Sinter-Crystallization. <i>Materials</i> , <b>2017</b> , 10,	3.5	28
128	Porous wollastonite-hydroxyapatite bioceramics from a preceramic polymer and micro- or nano-sized fillers. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 399-408	6	27
127	Sintering behaviour and mechanical properties of Al <sub>2</sub> O <sub>3</sub> platelet-reinforced glass matrix composites obtained by powder technology. <i>Ceramics International</i> , <b>2004</b> , 30, 785-791	5.1	27
126	Novel akermanite-based bioceramics from preceramic polymers and oxide fillers. <i>Ceramics International</i> , <b>2014</b> , 40, 1029-1035	5.1	26
125	Ceramic Microtubes from Preceramic Polymers. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 1025-1027	3.0	26
124	Novel glass-ceramic SOFC sealants from glass powders and a reactive silicone binder. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4245-4251	6	26
123	Bioactive Wollastonite-Diopside Foams from Preceramic Polymers and Reactive Oxide Fillers. <i>Materials</i> , <b>2015</b> , 8, 2480-2494	3.5	25
122	Novel 3D Wollastonite-Based Scaffolds from Preceramic Polymers Containing Micro- and Nano-Sized Reactive Particles. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, 269-274	3.5	25
121	Sintered feldspar glass-ceramics and glass-ceramic matrix composites. <i>Ceramics International</i> , <b>2008</b> , 34, 2037-2042	5.1	25
120	SiAlON-Based Ceramics from Filled Preceramic Polymers. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 3839-3842	3.8	25
119	Stabilization of fluorine-containing industrial waste by production of sintered glass-ceramics. <i>Ceramics International</i> , <b>2013</b> , 39, 6907-6915	5.1	22
118	Development of multiphase bioceramics from a filler-containing preceramic polymer. <i>Ceramics International</i> , <b>2009</b> , 35, 1415-1421	5.1	22
117	Hardystonite bioceramics from preceramic polymers. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 829-835	6	21
116	Development of glass-ceramics from boron containing waste and meat bone ash combinations with addition of waste glass. <i>Ceramics International</i> , <b>2014</b> , 40, 6045-6051	5.1	21

115	Application of an Industrial Waste Glass in Glass-Ceramic Stoneware. <i>International Journal of Applied Ceramic Technology</i> , <b>2011</b> , 8, 1153-1162	2	21
114	Lightweight Porcelain Stoneware by Engineered CeO <sub>2</sub> Addition. <i>Advanced Engineering Materials</i> , <b>2010</b> , 12, 65-70	3.5	21
113	Direct ink writing of silica-bonded calcite scaffolds from preceramic polymers and fillers. <i>Biofabrication</i> , <b>2017</b> , 9, 025012	10.5	20
112	Novel geopolymers incorporating red mud and waste glass cullet. <i>Materials Letters</i> , <b>2018</b> , 219, 152-154	3.3	20
111	Cordierite ceramics from silicone resins containing nano-sized oxide particle fillers. <i>Ceramics International</i> , <b>2013</b> , 39, 8893-8899	5.1	19
110	Glass Foams <b>2006</b> , 158-176		19
109	Proving the role of boron in the structure of fly-ash/borosilicate glass based geopolymers. <i>Materials Letters</i> , <b>2017</b> , 200, 105-108	3.3	18
108	Biosilicate scaffolds produced by 3D-printing and direct foaming using preceramic polymers. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 1010-1020	3.8	18
107	Highly porous mullite ceramics from engineered alkali activated suspensions. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 1036-1041	3.8	18
106	Porous, Sintered Glass-Ceramics from Inorganic Polymers Based on Fayalite Slag. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1985-1991	3.8	17
105	Gehlenite:Eu <sup>3+</sup> phosphors from a silicone resin and nano-sized fillers. <i>Optical Materials</i> , <b>2014</b> , 36, 1243-1249	3.49	17
104	Magnetic Glass Ceramics by Sintering of Borosilicate Glass and Inorganic Waste. <i>Materials</i> , <b>2014</b> , 7, 5565-5580	3.5	17
103	B-doped hardystonite bioceramics from preceramic polymers and fillers: Synthesis and application to foams and 3D-printed scaffolds. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 1757-1767	6	16
102	Hierarchically porous 3D-printed akermanite scaffolds from silicones and engineered fillers. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 4445-4449	6	16
101	Novel synthesis and applications of yttrium silicates from a silicone resin containing oxide nano-particle fillers. <i>Ceramics International</i> , <b>2012</b> , 38, 5469-5474	5.1	16
100	The In Vitro Bioactivity, Degradation, and Cytotoxicity of Polymer-Derived Wollastonite-Diopside Glass-Ceramics. <i>Materials</i> , <b>2017</b> , 10,	3.5	15
99	Novel basalt fibre reinforced glass matrix composites. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 1207-1211	4.3	15
98	Polymer-derived SiC ceramics from polycarbosilane/boron mixtures densified by SPS. <i>Ceramics International</i> , <b>2014</b> , 40, 14493-14500	5.1	14

97	Sintered glass ceramic articles from plasma vitrified asbestos containing waste. <i>Advances in Applied Ceramics</i> , <b>2011</b> , 110, 346-352	2.3	14
96	Bioactive glass-ceramic scaffolds by additive manufacturing and sinter-crystallization of fine glass powders. <i>Journal of Materials Research</i> , <b>2018</b> , 33, 1960-1971	2.5	14
95	Shear Performance at Room and High Temperatures of Glass?Ceramic Sealants for Solid Oxide Electrolysis Cell Technology. <i>Materials</i> , <b>2019</b> , 12,	3.5	13
94	Microstructure Development and Dielectric Characterization of Forsterite-Based Ceramics from Silicone Resins and Oxide Fillers. <i>Advanced Engineering Materials</i> , <b>2014</b> , 16, 806-813	3.5	13
93	Waste derived glass ceramic composites prepared by low temperature sintering/sinter-crystallisation. <i>Advances in Applied Ceramics</i> , <b>2015</b> , 114, S17-S25	2.3	13
92	Mullite/Zirconia Nanocomposites from a Pre ceramic Polymer and Nanosized Fillers. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 1357-1362	3.8	13
91	SiOC glass modified by montmorillonite clay. <i>Ceramics International</i> , <b>2006</b> , 32, 679-686	5.1	13
90	Silica-bonded apatite scaffolds from calcite-filled pre ceramic polymers. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 3211-3218	6	13
89	Highly Porous Sr/Mg-Doped Hardystonite Bioceramics from Pre ceramic Polymers and Reactive Fillers: Direct Foaming and Direct Ink Writing. <i>Advanced Engineering Materials</i> , <b>2019</b> , 21, 1800900	3.5	13
88	Comparative Analysis of Wollastonite-Diopside Glass-Ceramic Structures Fabricated via Stereo-Lithography. <i>Advanced Engineering Materials</i> , <b>2019</b> , 21, 1801160	3.5	12
87	Low temperature synthesis of zircon from silicone resins and oxide nano-sized particles. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 2819-2824	6	12
86	White sintered glass-ceramic tiles with improved thermal insulation properties for building applications. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 1117-1125	6	12
85	Processing of porous glass ceramics from highly crystallisable industrial wastes. <i>Advances in Applied Ceramics</i> , <b>2015</b> , 114, S11-S16	2.3	12
84	Novel processing of bioglass ceramics from silicone resins containing micro- and nano-sized oxide particle fillers. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 2502-10	5.4	12
83	Strong and chemically inert sinter crystallised glass ceramics based on Estonian oil shale ash. <i>Advances in Applied Ceramics</i> , <b>2014</b> , 113, 120-128	2.3	12
82	Wollastonite Foams From an Extruded Pre ceramic Polymer Mixed with CaCO <sub>3</sub> Microparticles Assisted by Supercritical Carbon Dioxide. <i>Advanced Engineering Materials</i> , <b>2013</b> , 15, 60-65	3.5	12
81	Reutilization of waste inert glass from the disposal of polluted dredging spoils by the obtainment of ceramic products for tiles applications. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 5259-5264	4.3	12
80	Direct ink writing of silica-carbon-calcite composite scaffolds from a silicone resin and fillers. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 5200-5207	6	11

79	Bioactive Glass-Ceramic Foam Scaffolds from 'Inorganic Gel Casting' and Sinter-Crystallization. <i>Materials</i> , <b>2018</b> , 11,	3.5	11
78	Microporous glass ceramics from combination of silicate, borate and phosphate wastes. <i>Advances in Applied Ceramics</i> , <b>2012</b> , 111, 415-421	2.3	11
77	Fast sinter crystallisation of waste glasses. <i>Advances in Applied Ceramics</i> , <b>2008</b> , 107, 344-349	2.3	11
76	Porous bioactive glass microspheres prepared by flame synthesis process. <i>Materials Letters</i> , <b>2019</b> , 256, 126625	3.3	9
75	Glass powders and reactive silicone binder: Interactions and application to additive manufacturing of bioactive glass-ceramic scaffolds. <i>Ceramics International</i> , <b>2019</b> , 45, 13740-13746	5.1	9
74	Wollastonite-diopside-carbon composite foams from a silicone resin and inorganic fillers. <i>Ceramics International</i> , <b>2018</b> , 44, 931-937	5.1	9
73	Sintered silicophosphate glass ceramics from MBM ash and recycled soda-silica glass. <i>Advances in Applied Ceramics</i> , <b>2011</b> , 110, 41-48	2.3	9
72	Optimization of Phase Purity of $\alpha$ -Sialon Ceramics Produced from Silazanes and Nano-Sized Alumina. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 2148-2154	3.8	8
71	Wollastonite-diopside glass-ceramic foams from supercritical carbon dioxide-assisted extrusion of a silicone resin and inorganic fillers. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 443, 33-38	3.9	8
70	Advanced Open-Cellled Structures from Low-Temperature Sintering of a Crystallization-Resistant Bioactive Glass. <i>Materials</i> , <b>2019</b> , 12,	3.5	8
69	Up-cycling of 'unrecyclable' glasses in glass-based foams by weak alkali-activation, gel casting and low-temperature sintering. <i>Journal of Cleaner Production</i> , <b>2021</b> , 278, 123985	10.3	8
68	Glass-Ceramic Foams from 'Weak Alkali Activation' and Gel-Casting of Waste Glass/Fly Ash Mixtures. <i>Materials</i> , <b>2019</b> , 12,	3.5	7
67	Preparation and properties of biomorphic potassium-based geopolymer (KGP)-biocarbon (CB) composite. <i>Ceramics International</i> , <b>2018</b> , 44, 12957-12964	5.1	7
66	Advanced Oxide Ceramics from a Preceramic Polymer and Fillers. <i>Soft Materials</i> , <b>2007</b> , 4, 175-185	1.7	7
65	Engineering of silicone-based mixtures for the digital light processing of $\beta$ -ermanite scaffolds. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 2566-2572	6	7
64	Highly porous polymer-derived wollastonite-hydroxycarbonate apatite ceramics for bone regeneration. <i>Biomedical Materials (Bristol)</i> , <b>2016</b> , 11, 025016	3.5	7
63	Suitability of Biosilicate glass-ceramic powder for additive manufacturing of highly porous scaffolds. <i>Ceramics International</i> , <b>2021</b> , 47, 8200-8207	5.1	7
62	Novel synthesis of Eu-doped SiALON luminescent materials from a preceramic polymer and nano-sized fillersPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , <b>2014</b> , 2, 158-164	2.4	6



61	SiALON bonded SiC ceramics from silicone polymer and nanosized fillers. <i>Advances in Applied Ceramics</i> , <b>2013</b> , 112, 158-162	2.3	6
60	Optimisation of low temperature sinter crystallisation of waste derived glass. <i>Advances in Applied Ceramics</i> , <b>2012</b> , 111, 472-479	2.3	6
59	Tailored waste based glasses as secondary raw materials for porcelain stoneware. <i>Advances in Applied Ceramics</i> , <b>2008</b> , 107, 322-328	2.3	6
58	Al <sub>2</sub> O <sub>3</sub> -platelet reinforced glass matrix composites from a mixture of wastes. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 2706-2711	4.3	6
57	Case studies of up-cycling of partially crystallized ceramic waste in highly porous glass-ceramics. <i>Construction and Building Materials</i> , <b>2020</b> , 261, 119971	6.7	6
56	Highly Porous Polymer-Derived Bioceramics Based on a Complex Hardystonite Solid Solution. <i>Materials</i> , <b>2019</b> , 12,	3.5	6
55	Dense glass-ceramics by fast sinter-crystallization of mixtures of waste-derived glasses. <i>International Journal of Applied Ceramic Technology</i> , <b>2020</b> , 17, 55-63	2	6
54	Porous glass-ceramics made from microwave vitrified municipal solid waste incinerator bottom ash. <i>Construction and Building Materials</i> , <b>2021</b> , 270, 121452	6.7	5
53	Extension of the 'Inorganic Gel Casting' Process to the Manufacturing of Boro-Alumino-Silicate Glass Foams. <i>Materials</i> , <b>2018</b> , 11,	3.5	5
52	Mechanical Performance of Glass-Based Geopolymer Matrix Composites Reinforced with Cellulose Fibers. <i>Materials</i> , <b>2018</b> , 11,	3.5	5
51	Low temperature upcycling of vitreous byproduct of the MSW plasma processing into multifunctional porous glass-ceramics. <i>Advances in Applied Ceramics</i> , <b>2019</b> , 118, 366-371	2.3	4
50	Highly porous cordierite ceramics from engineered basic activation of metakaolin/talc aqueous suspensions. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 6254-6258	6	4
49	Pre-ceramic Polymer-Derived SiALON as Sintering Aid for Silicon Nitride. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3407-3412	3.8	4
48	Shielding effectiveness of construction materials. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2016</b> , 52, 137-144	0.4	4
47	Waste-derived glass-ceramics fired in nitrogen: Stabilization and functionalization. <i>Construction and Building Materials</i> , <b>2020</b> , 232, 117265	6.7	4
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