

Cristina Leonelli

List of Publications by Year in descending order

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294
papers

9,108
citations

41323

49
h-index

62565

80
g-index

307
all docs

307
docs citations

307
times ranked

8335
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of carboxylic acids on the aqueous dispersion and electrophoretic deposition of ZrO ₂ . Journal of the European Ceramic Society, 2012, 32, 235-244.	2.8	521
2	Microwave and ultrasonic processing: Now a realistic option for industry. Chemical Engineering and Processing: Process Intensification, 2010, 49, 885-900.	1.8	416
3	Microwave-Hydrothermal Synthesis of Nanophase Ferrites. Journal of the American Ceramic Society, 1998, 81, 3041-3043.	1.9	244
4	Geopolymer binders from metakaolin using sodium waterglass from waste glass and rice husk ash as alternative activators: A comparative study. Construction and Building Materials, 2016, 114, 276-289.	3.2	202
5	Microwave assisted sintering of green metal parts. Journal of Materials Processing Technology, 2008, 205, 489-496.	3.1	164
6	Bulk composition and microstructure dependence of effective thermal conductivity of porous inorganic polymer cements. Journal of the European Ceramic Society, 2012, 32, 1593-1603.	2.8	153
7	Recycling of industrial wastes in ceramic manufacturing: State of art and glass case studies. Ceramics International, 2016, 42, 13333-13338.	2.3	137
8	Chemical stability of geopolymers containing municipal solid waste incinerator fly ash. Waste Management, 2010, 30, 673-679.	3.7	136
9	Substitution of sodium silicate with rice husk ash-NaOH solution in metakaolin based geopolymer cement concerning reduction in global warming. Journal of Cleaner Production, 2017, 142, 3050-3060.	4.6	131
10	Alkali activation as new option for gold mine tailings inertization. Journal of Cleaner Production, 2018, 187, 76-84.	4.6	130
11	Syntheses of Fe ₂ O ₃ /Silica Red Inorganic Inclusion Pigments for Ceramic Applications. Materials Research Bulletin, 1998, 33, 723-729.	2.7	113
12	Enhancing the mechanical properties of porcelain stoneware tiles. Journal of the European Ceramic Society, 2001, 21, 785-793.	2.8	108
13	A review on combustion synthesis intensification by means of microwave energy. Chemical Engineering and Processing: Process Intensification, 2013, 71, 2-18.	1.8	107
14	Mix-design and characterization of alkali activated materials based on metakaolin and ladle slag. Applied Clay Science, 2013, 73, 78-85.	2.6	105
15	Microwave thermal inertisation of asbestos containing waste and its recycling in traditional ceramics. Journal of Hazardous Materials, 2006, 135, 149-155.	6.5	101
16	Influence of the molar concentration of phosphoric acid solution on the properties of metakaolin-phosphate-based geopolymer cements. Applied Clay Science, 2017, 147, 184-194.	2.6	100
17	Inorganic polymers from alkali activation of metakaolin: Effect of setting and curing on structure. Journal of Solid State Chemistry, 2013, 200, 341-348.	1.4	98
18	The corrosion of kaolinite by iron minerals and the effects on geopolymerization. Applied Clay Science, 2017, 138, 48-62.	2.6	98

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19	Enhanced thermal stability in K ₂ O-metakaolin-based geopolymer concretes by Al ₂ O ₃ and SiO ₂ fillers addition. <i>Journal of Materials Science</i> , 2010, 45, 1715-1724.	1.7	97
20	Effect of silicate modulus on the setting, mechanical strength and microstructure of iron-rich aluminosilicate (laterite) based-geopolymer cured at room temperature. <i>Ceramics International</i> , 2018, 44, 21442-21450.	2.3	97
21	Synthesis and characterization of cerium-doped glasses and in vitro evaluation of bioactivity. <i>Journal of Non-Crystalline Solids</i> , 2003, 316, 198-216.	1.5	95
22	Characterisation of porcelain compositions using two china clays from Cameroon. <i>Ceramics International</i> , 2007, 33, 851-857.	2.3	95
23	Reaction Mechanism in Alumina/Chromia (Al ₂ O ₃ ·Cr ₂ O ₃) Solid Solutions Obtained by Coprecipitation. <i>Journal of the American Ceramic Society</i> , 2000, 83, 2036-2040.	1.9	89
24	Rheology of geopolymer by DOE approach. <i>Construction and Building Materials</i> , 2012, 36, 251-258.	3.2	88
25	Microwave-Hydrothermal Synthesis of Nanocrystalline Zirconia Powders. <i>Journal of the American Ceramic Society</i> , 2001, 84, 2728-2730.	1.9	82
26	Microstructure and engineering properties of Fe ₂ O ₃ (FeO)-Al ₂ O ₃ -SiO ₂ based geopolymer composites. <i>Journal of Cleaner Production</i> , 2018, 199, 849-859.	4.6	80
27	Alkali activation processes for incinerator residues management. <i>Waste Management</i> , 2013, 33, 1740-1749.	3.7	78
28	Nonconventional Synthesis of Praseodymium-Doped Ceria by Flux Method. <i>Chemistry of Materials</i> , 2000, 12, 324-330.	3.2	75
29	Crystallization of (Na ₂ O·MgO)·CaO·Al ₂ O ₃ ·SiO ₂ Glassy Systems Formulated from Waste Products. <i>Journal of the American Ceramic Society</i> , 2000, 83, 2515-2520.	1.9	73
30	Cumulative pore volume, pore size distribution and phases percolation in porous inorganic polymer composites: Relation microstructure and effective thermal conductivity. <i>Energy and Buildings</i> , 2015, 88, 45-56.	3.1	72
31	Utilization of sodium waterglass from sugar cane bagasse ash as a new alternative hardener for producing metakaolin-based geopolymer cement. <i>Chemie Der Erde</i> , 2017, 77, 257-266.	0.8	71
32	Comparison of metakaolin-based geopolymer cements from commercial sodium waterglass and sodium waterglass from rice husk ash. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 492-506.	1.1	68
33	Thermal Behavior of Metakaolin-Based Geopolymer Cements Using Sodium Waterglass from Rice Husk Ash and Waste Glass as Alternative Activators. <i>Waste and Biomass Valorization</i> , 2017, 8, 573-584.	1.8	67
34	Effects of nucleating agents on diopside crystallization in new glass-ceramics for tile-glaze application. <i>Journal of Materials Science</i> , 1995, 30, 3251-3255.	1.7	65
35	A Sustainable Approach for the Geopolymerization of Natural Iron-Rich Aluminosilicate Materials. <i>Sustainability</i> , 2014, 6, 5535-5553.	1.6	65
36	Crystallization of some anorthite-diopside glass precursors. <i>Journal of Materials Science</i> , 1991, 26, 5041-5046.	1.7	64

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37	Polymer supported Nickel nanoparticles as recyclable catalyst for the reduction of nitroarenes to anilines in aqueous medium. <i>Molecular Catalysis</i> , 2018, 446, 31-38.	1.0	64
38	Effect of TiO ₂ addition on the properties of complex aluminosilicate glasses and glass-ceramics. <i>Materials Research Bulletin</i> , 1997, 32, 637-648.	2.7	63
39	Polymer supported palladium nanocrystals as efficient and recyclable catalyst for the reduction of nitroarenes to anilines under mild conditions in water. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 307-314.	4.8	63
40	Synthesis of silica nanoparticles in a continuous-flow microwave reactor. <i>Powder Technology</i> , 2006, 167, 45-48.	2.1	61
41	Ferrisilicates formation during the geopolymerization of natural Fe-rich aluminosilicate precursors. <i>Materials Chemistry and Physics</i> , 2020, 240, 122062.	2.0	60
42	Nanosized CeO ₂ powders obtained by flux method. <i>Materials Research Bulletin</i> , 1999, 34, 2159-2166.	2.7	58
43	Anodic aqueous electrophoretic deposition of titanium dioxide using carboxylic acids as dispersing agents. <i>Journal of the European Ceramic Society</i> , 2011, 31, 1041-1047.	2.8	58
44	Water resistance and thermal behavior of metakaolin-phosphate-based geopolymer cements. <i>Journal of Asian Ceramic Societies</i> , 2018, 6, 271-283.	1.0	57
45	Metakaolin-based inorganic polymer composite: Effects of fine aggregate composition and structure on porosity evolution, microstructure and mechanical properties. <i>Cement and Concrete Composites</i> , 2014, 53, 258-269.	4.6	56
46	The influence of gibbsite in kaolin and the formation of berlinite on the properties of metakaolin-phosphate-based geopolymer cements. <i>Materials Chemistry and Physics</i> , 2017, 199, 280-288.	2.0	56
47	Potassium alkali concentration and heat treatment affected metakaolin-based geopolymer. <i>Construction and Building Materials</i> , 2016, 104, 293-297.	3.2	54
48	Solubility, reactivity and nucleation effect of Cr ₂ O ₃ in the CaO-MgO-Al ₂ O ₃ -SiO ₂ glassy system. <i>Journal of Materials Science</i> , 1994, 29, 6273-6280.	1.7	53
49	Meta-halloysite to improve compactness in iron-rich laterite-based alkali activated materials. <i>Materials Chemistry and Physics</i> , 2020, 239, 122268.	2.0	53
50	One-pot synthesis of aniline derivatives from nitroarenes under mild conditions promoted by a recyclable polymer-supported palladium catalyst. <i>Applied Catalysis A: General</i> , 2011, 401, 134-140.	2.2	52
51	Determination of thermal shock resistance in refractory materials by ultrasonic pulse velocity measurement. <i>Journal of the European Ceramic Society</i> , 2007, 27, 1859-1863.	2.8	51
52	Microstructural and mechanical properties of poly(sialate-siloxo) networks obtained using metakaolins from kaolin and halloysite as aluminosilicate sources: A comparative study. <i>Applied Clay Science</i> , 2020, 186, 105448.	2.6	51
53	Design of inorganic polymer cements: Effects of matrix strengthening on microstructure. <i>Construction and Building Materials</i> , 2013, 38, 1135-1145.	3.2	49
54	Synthesis and properties of inorganic polymers (geopolymers) derived from Cameroon-meta-halloysite. <i>Ceramics International</i> , 2018, 44, 18499-18508.	2.3	48

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55	FT-IR study of early stages of alkali activated materials based on pyroclastic deposits (Mt. Etna, Sicily,) Tj ETQq1 1 0,784314 rgBT /Overl	3.2	48
56	Characterization and performance evaluation of laterite based geopolymer binder cured at different temperatures. Construction and Building Materials, 2021, 270, 121443.	3.2	48
57	Room-temperature alkaline activation of feldspathic solid solutions: Development of high strength geopolymers. Construction and Building Materials, 2019, 195, 258-268.	3.2	47
58	Volcanic ash as alternative raw materials for traditional vitrified ceramic products. Advances in Applied Ceramics, 2007, 106, 135-141.	0.6	46
59	Microwave assisted combustion synthesis in the system Ti-Si-C for the joining of SiC: Experimental and numerical simulation results. Journal of the European Ceramic Society, 2013, 33, 1707-1719.	2.8	46
60	Suzuki-Miyaura coupling under air in water promoted by polymer supported palladium nanoparticles. Journal of Molecular Catalysis A, 2013, 366, 186-194.	4.8	46
61	Effect of Pressure on Synthesis of Pr-Doped Zirconia Powders Produced by Microwave-Driven Hydrothermal Reaction. Journal of Nanomaterials, 2006, 2006, 1-8.	1.5	43
62	Microwave-Hydrothermal Synthesis and Hyperfine Characterization of Praseodymium-Doped Nanometric Zirconia Powders. Journal of the American Ceramic Society, 2005, 88, 633-638.	1.9	42
63	Crystallization of aragonite particles from solution under microwave irradiation. Powder Technology, 2008, 186, 255-262.	2.1	42
64	Geopolymers: An option for the valorization of incinerator bottom ash derived "end of waste". Ceramics International, 2015, 41, 2116-2123.	2.3	42
65	New "Green" Approaches to the Synthesis of Pyrazole Derivatives. Molecules, 2007, 12, 1482-1495.	1.7	41
66	Microwave processing of glass matrix composites containing controlled isolated porosity. Journal of the European Ceramic Society, 2001, 21, 1073-1080.	2.8	40
67	Nucleation and Crystallization of a Lithium Aluminosilicate Glass. Journal of the American Ceramic Society, 1997, 80, 3077-3083.	1.9	40
68	Incinerator Bottom Ash and Ladle Slag for Geopolymers Preparation. Waste and Biomass Valorization, 2014, 5, 393-401.	1.8	40
69	Cleaner production of the lightweight insulating composites: Microstructure, pore network and thermal conductivity. Energy and Buildings, 2015, 107, 113-122.	3.1	40
70	Numerical models for thermal residual stresses in Al ₂ O ₃ platelets/borosilicate glass matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 323, 246-250.	2.6	39
71	The Anorthite-Diopside System: Structural and Devitrification Study. Part II: Crystallinity Analysis by the Rietveld-RIR Method. Journal of the American Ceramic Society, 2005, 88, 3131-3136.	1.9	38
72	The effects of firing conditions on the properties of electrophoretically deposited titanium dioxide films on graphite substrates. Journal of the European Ceramic Society, 2011, 31, 2877-2885.	2.8	38

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73	Recycled natural wastes in metakaolin based porous geopolymers for insulating applications. Journal of Building Engineering, 2015, 3, 58-69.	1.6	38
74	Influence of the curing temperature on the properties of poly(phospho-ferro-siloxo) networks from laterite. SN Applied Sciences, 2019, 1, 1.	1.5	38
75	New ceramic materials from MSWI bottom ash obtained by an innovative microwave-assisted sintering process. Journal of the European Ceramic Society, 2017, 37, 323-331.	2.8	37
76	Recycling of microwave inertised asbestos containing waste in refractory materials. Journal of the European Ceramic Society, 2007, 27, 1855-1858.	2.8	36
77	Alkali activated materials using pumice from the Aeolian Islands (Sicily, Italy) and their potentiality for cultural heritage applications: Preliminary study. Construction and Building Materials, 2020, 259, 120391.	3.2	36
78	Densification of glass powders belonging to the CaO-ZrO ₂ -SiO ₂ system by microwave heating. Journal of the European Ceramic Society, 2000, 20, 177-183.	2.8	35
79	Preparation of Nd:YAG Nanopowder in a Confined Environment. Langmuir, 2007, 23, 3947-3952.	1.6	35
80	Improvement of the surface properties of polycarbonate by organic-inorganic hybrid coatings. Journal of Applied Polymer Science, 2008, 108, 1426-1436.	1.3	34
81	Microstructural study of microwave sintered zirconia for dental applications. Ceramics International, 2015, 41, 1255-1261.	2.3	34
82	Advancing the Use of Secondary Inputs in Geopolymer Binders for Sustainable Cementitious Composites: A Review. Sustainability, 2011, 3, 410-423.	1.6	33
83	Glass-Ceramic Foams from Borosilicate Glass Waste. International Journal of Applied Glass Science, 2014, 5, 136-145.	1.0	33
84	Microwave ignition of the combustion synthesis of aluminides and field-related effects. Journal of Alloys and Compounds, 2016, 657, 59-67.	2.8	33
85	Microwave assisted synthesis of Si-modified Mn ₂₅ Fe _x Ni ₂₅ Cu(50-x) high entropy alloys. Materials Letters, 2016, 162, 277-280.	1.3	33
86	Design of low cost semi-crystalline calcium silicate from biomass for the improvement of the mechanical and microstructural properties of metakaolin-based geopolymer cements. Materials Chemistry and Physics, 2019, 223, 98-108.	2.0	33
87	Optimization of BFO microwave-hydrothermal synthesis: Influence of process parameters. Journal of Alloys and Compounds, 2013, 558, 150-159.	2.8	32
88	Microwave-Assisted Preparation of High Entropy Alloys. Technologies, 2015, 3, 182-197.	3.0	32
89	Numerical modelling of the fracture behaviour of a glass matrix composite reinforced with alumina platelets. Composites Part A: Applied Science and Manufacturing, 2003, 34, 43-51.	3.8	31
90	Feasibility of Using Cordierite Glass-Ceramics as Tile Glazes. Journal of the American Ceramic Society, 1997, 80, 1757-1766.	1.9	31

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91	Dispersing hydrophilic nanoparticles in hydrophobic polymers: HDPE/ZnO nanocomposites by a novel template-based approach. <i>EXPRESS Polymer Letters</i> , 2014, 8, 362-372.	1.1	31
92	Processing of novel glass matrix composites by microwave heating. <i>Journal of Materials Processing Technology</i> , 2004, 155-156, 1749-1755.	3.1	30
93	Microstructural investigations in cordierite-mullite refractories. <i>Ceramics International</i> , 2005, 31, 417-432.	2.3	30
94	Electrophoretic deposition of multiferroic BiFeO ₃ sub-micrometric particles from stabilized suspensions. <i>Journal of the European Ceramic Society</i> , 2013, 33, 1325-1333.	2.8	30
95	Mechanical strength and microstructure of metakaolin/volcanic ash-based geopolymer composites reinforced with reactive silica from rice husk ash (RHA). <i>Materialia</i> , 2021, 16, 101083.	1.3	30
96	Potentiality of the Use of Pyroclastic Volcanic Residues in the Production of Alkali Activated Material. <i>Waste and Biomass Valorization</i> , 2021, 12, 1075-1094.	1.8	29
97	Li ₂ O-SiO ₂ -Al ₂ O ₃ -MgO Glass-Ceramic Systems for Tile Glaze Applications. <i>Journal of the American Ceramic Society</i> , 1991, 74, 983-987.	1.9	28
98	Pair distribution function analysis and Mössbauer study of defects in microwave-hydrothermal LiFePO ₄ . <i>RSC Advances</i> , 2012, 2, 250-258.	1.7	28
99	Particle size-related limitations of persistent phosphors based on the doped Y ₃ Al ₂ Ga ₃ O ₁₂ system. <i>Scientific Reports</i> , 2021, 11, 141.	1.6	28
100	Microwave processing of high entropy alloys: A powder metallurgy approach. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 122, 397-403.	1.8	27
101	The effects of synthesized calcium phosphate compounds on the mechanical and microstructural properties of metakaolin-based geopolymer cements. <i>Construction and Building Materials</i> , 2018, 163, 776-792.	3.2	27
102	Green Deep Eutectic Solvents for Microwave-Assisted Biomass Delignification and Valorisation. <i>Molecules</i> , 2021, 26, 798.	1.7	27
103	Effect of V ₂ O ₅ addition on the crystallisation of glasses belonging to the CaO-ZrO ₂ -SiO ₂ system. <i>Journal of Non-Crystalline Solids</i> , 2003, 315, 77-88.	1.5	25
104	Synthesis of Zirconia Nanoparticles in a Continuous-Flow Microwave Reactor. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3746-3748.	1.9	25
105	Mechanical and microstructural properties of geopolymer mortars from meta-halloysite: effect of titanium dioxide TiO ₂ (anatase and rutile) content. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	25
106	Innovative porous ceramic matrices from inorganic polymer composites (IPCs): Microstructure and mechanical properties. <i>Construction and Building Materials</i> , 2021, 273, 122032.	3.2	25
107	Control of pore size by metallic fibres in glass matrix composite foams produced by microwave heating. <i>Journal of the European Ceramic Society</i> , 2004, 24, 3203-3208.	2.8	24
108	High-Energy-Low-Temperature Technologies for the Synthesis of Nanoparticles: Microwaves and High Pressure. <i>Inorganics</i> , 2014, 2, 606-619.	1.2	24

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109	Direct Energy Supply to the Reaction Mixture during Microwave-Assisted Hydrothermal and Combustion Synthesis of Inorganic Materials. <i>Inorganics</i> , 2014, 2, 191-210.	1.2	23
110	Effect of Thai Kaolin on properties of agricultural ash blended geopolymers. <i>Construction and Building Materials</i> , 2014, 53, 455-459.	3.2	23
111	Effect of Combined Metakaolin and Basalt Powder Additions to Laterite-Based Geopolymers Activated by Rice Husk Ash (RHA)/NaOH Solution. <i>Silicon</i> , 2022, 14, 1643-1662.	1.8	23
112	FT-IR Study, Thermal Analysis, and Evaluation of the Antibacterial Activity of a MK-Geopolymer Mortar Using Glass Waste as Fine Aggregate. <i>Polymers</i> , 2021, 13, 2970.	2.0	23
113	Binder Chemistry of Low-Calcium Alkali-Activated Materials. <i>RILEM State-of-the-Art Reports</i> , 2014, , 93-123.	0.3	23
114	Porcelain stoneware with pegmatite and nepheline syenite solid solutions: Pore size distribution and descriptive microstructure. <i>Journal of the European Ceramic Society</i> , 2013, 33, 2775-2784.	2.8	22
115	Cold-setting refractory composites from cordierite and mullite-based cordierite design with geopolymer paste as binder: Thermal behavior and phase evolution. <i>Materials Chemistry and Physics</i> , 2015, 154, 66-77.	2.0	22
116	A polymer supported palladium(II) β -ketoesterate complex as active and recyclable pre-catalyst for selective reduction of quinolines in water with sodium borohydride. <i>Journal of Molecular Catalysis A</i> , 2015, 402, 83-91.	4.8	22
117	Microstructure and mechanical, physical and structural properties of sustainable lightweight metakaolin-based geopolymer cements and mortars employing rice husk. <i>Journal of Asian Ceramic Societies</i> , 2019, 7, 199-212.	1.0	22
118	Dependence of the geopolymerization process and end-products to the nature of solid precursors: Challenge of the sustainability. <i>Journal of Cleaner Production</i> , 2021, 278, 123587.	4.6	22
119	Bulk Crystallization of Glasses Belonging to the Calcium-Zirconia-Silica System by Microwave Energy. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1001-1003.	1.9	21
120	Quality Control and Thermal Shock Damage Characterization of High-Temperature Ceramics by Ultrasonic Pulse Velocity Testing. <i>International Journal of Applied Ceramic Technology</i> , 2007, 4, 260-268.	1.1	21
121	Influence of fine aggregates on the microstructure, porosity and chemico-mechanical stability of inorganic polymer concretes. <i>Construction and Building Materials</i> , 2015, 96, 473-483.	3.2	21
122	Transformation of the geopolymer gels to crystalline bonds in cold-setting refractory concretes: Pore evolution, mechanical strength and microstructure. <i>Materials and Design</i> , 2015, 88, 336-344.	3.3	21
123	Self-compacting geopolymer concretes: Effects of addition of aluminosilicate-rich fines. <i>Journal of Building Engineering</i> , 2016, 5, 211-221.	1.6	21
124	Thermal behaviour and microstructural evolution of metakaolin and meta-halloysite-based geopolymer binders: a comparative study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 2055-2071.	2.0	21
125	Enhanced reactive NiAl coatings by microwave-assisted SHS. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2008, 27, 491-499.	0.5	20
126	Ultrafine Magnetite Nanopowder: Synthesis, Characterization, and Preliminary Use as Filler of Polymethylmethacrylate Nanocomposites. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-8.	1.5	20

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127	Resin-Immobilized Palladium Nanoparticle Catalysts for Organic Reactions in Aqueous Media: Morphological Aspects. <i>Molecules</i> , 2015, 20, 18661-18684.	1.7	20
128	Phytochemical compounds or their synthetic counterparts? A detailed comparison of the quantitative environmental assessment for the synthesis and extraction of curcumin. <i>Green Chemistry</i> , 2016, 18, 1807-1818.	4.6	20
129	Investigation of the relationship between the condensed structure and the chemically bonded water content in the poly(sialate-siloxo) network. <i>Applied Clay Science</i> , 2018, 156, 77-86.	2.6	20
130	Physical Properties of Quenched Glasses in the Li ₂ O-ZrO ₂ -SiO ₂ System. <i>Journal of the American Ceramic Society</i> , 1996, 79, 1092-1094.	1.9	19
131	Service life prediction for refractory materials. <i>Journal of Materials Science</i> , 2008, 43, 4079-4090.	1.7	19
132	Metakaolin-Based Porous Geopolymer with Aluminium Powder. <i>Key Engineering Materials</i> , 2014, 608, 132-138.	0.4	19
133	Chromium liquid waste inertization in an inorganic alkali activated matrix: Leaching and NMR multinuclear approach. <i>Journal of Hazardous Materials</i> , 2015, 286, 474-483.	6.5	19
134	Mild and efficient synthesis of secondary aromatic amines by one-pot stepwise reductive amination of arylaldehydes with nitroarenes promoted by reusable nickel nanoparticles. <i>Molecular Catalysis</i> , 2019, 476, 110507.	1.0	19
135	Thermal and microbiological performance of metakaolin-based geopolymers cement with waste glass. <i>Applied Clay Science</i> , 2020, 197, 105763.	2.6	19
136	Alkali Activation of Metallurgical Slags: Reactivity, Chemical Behavior, and Environmental Assessment. <i>Materials</i> , 2021, 14, 639.	1.3	19
137	Efficient Addition of Waste Glass in MK-Based Geopolymers: Microstructure, Antibacterial and Cytotoxicity Investigation. <i>Polymers</i> , 2021, 13, 1493.	2.0	19
138	Mechanical performance and fracture behaviour of glass matrix composites reinforced with molybdenum particles. <i>Composites Science and Technology</i> , 2005, 65, 1276-1283.	3.8	18
139	Microstructural and mechanical properties of (Ca, Na)-poly(sialate-siloxo) from metakaolin as aluminosilicate and calcium silicate from precipitated silica and calcined chicken eggshell. <i>Construction and Building Materials</i> , 2019, 201, 662-675.	3.2	18
140	Title is missing!. <i>Journal of Materials Science Letters</i> , 2001, 20, 1889-1891.	0.5	17
141	Ultrafast microwave hydrothermal synthesis and characterization of Bi _{1-x} LaxFeO ₃ micronized particles. <i>Materials Chemistry and Physics</i> , 2015, 162, 69-75.	2.0	17
142	Electrochemical impedance spectroscopy: A deeper and quantitative insight into the fingerprints physical modifications over time. <i>Forensic Science International</i> , 2017, 273, 144-152.	1.3	17
143	Title is missing!. <i>Journal of Porous Materials</i> , 2003, 10, 189-200.	1.3	16
144	Sintering and Crystallization of a Glass Powder in the Li ₂ O-ZrO ₂ -SiO ₂ System. <i>Journal of the American Ceramic Society</i> , 1998, 81, 777-780.	1.9	16

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145	Microwave Ignited Combustion Synthesis as a Joining Technique for Dissimilar Materials. Journal of Materials Engineering and Performance, 2012, 21, 725-732.	1.2	16
146	Mosaic tesserae from Italy and the production of Mediterranean coloured glass (4rd century) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Science: Reports, 2016, 7, 303-311.	0.2	16
147	Development of microwave-assisted sintering of Portland cement raw meal. Journal of Cleaner Production, 2017, 142, 1252-1258.	4.6	16
148	Microstructure and mechanical properties of 5.8GHz microwave-sintered ZrO ₂ /Al ₂ O ₃ ceramics. Ceramics International, 2019, 45, 18059-18064.	2.3	16
149	Effects of curing cycles on developing strength and microstructure of goethite-rich aluminosilicate (corroded laterite) based geopolymer composites. Materials Chemistry and Physics, 2021, 270, 124864.	2.0	16
150	Microwave Hydrothermal Synthesis of Nanocrystalline Pr - Doped Zirconia Powders at Pressures up to 8 MPa. Solid State Phenomena, 2003, 94, 193-196.	0.3	15
151	Reaction sintering and microstructural evolution in metakaolin-metastable alumina composites. Journal of Thermal Analysis and Calorimetry, 2014, 117, 1035-1045.	2.0	15
152	Performance of geopolymer composites made with feldspathic solid solutions: Micromechanics and microstructure. Cement and Concrete Composites, 2021, 124, 104241.	4.6	15
153	The microstructure and mechanical properties of sintered celsian and strontium-celsian glass-ceramics. Materials Research Bulletin, 1995, 30, 27-41.	2.7	14
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