Vincenzo Maria Sglavo

List of Publications by Year
in descending order

200	5,792	71102	102487
papers	citations	41 h-index	66 g-index

218	218	218	4131
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flash sintering of ceramics. Journal of the European Ceramic Society, 2019, 39, 115-143.	5.7	292
2	Crack Arrest and Multiple Cracking in Glass Through the Use of Designed Residual Stress Profiles. Science, 1999, 283, 1295-1297.	12.6	182
3	Flash-sintering of Co2MnO4 spinel for solid oxide fuel cell applications. Journal of Power Sources, 2011, 196, 2061-2065.	7.8	181
4	Bauxite â€˜red mudâ€™ in the ceramic industry. Part 1: thermal behaviour. Journal of the European Ceramic Society, 2000, 20, 235-244.	5.7	178
5	Bauxite â€˜red mudâ€™ in the ceramic industry. Part 2: production of clay-based ceramics. Journal of the European Ceramic Society, 2000, 20, 245-252.	5.7	155
6	Electric Field Assisted Sintering of Cubic Zirconia at 390Â°C. Journal of the American Ceramic Society, 2013, 96, 1342-1344.	3.8	154
7	Investigation of Electrochemical, Optical and Thermal Effects during Flash Sintering of 8YSZ. Materials, 2018, 11, 1214.	2.9	150
8	Flash sintering as a nucleation phenomenon and a model thereof. Journal of the European Ceramic Society, 2014, 34, 4063-4067.	5.7	144
9	Flash sintering of alumina: Effect of different operating conditions on densification. Journal of the European Ceramic Society, 2016, 36, 2535-2542.	5.7	118
10	Synthesis and characterization of strontium-substituted hydroxyapatite nanoparticles for bone regeneration. Materials Science and Engineering C, 2017, 71, 653-662.	7.3	117
11	Synthesis and sintering of (Mg, Co, Ni, Cu, Zn)O entropy-stabilized oxides obtained by wet chemical methods. Journal of Materials Science, 2018, 53, 8074-8085.	3.7	113
12	Joining of reaction-bonded silicon carbide using a preceramic polymer. Journal of Materials Science, 1998, 33, 2405-2412.	3.7	98
13	Influence of curing temperature on the evolution of magnesium oxychloride cement. Journal of Materials Science, 2011, 46, 6726-6733.	3.7	88
14	Field assisted sintering of ceramic constituted by alumina and yttria stabilized zirconia. Journal of the European Ceramic Society, 2014, 34, 2435-2442.	5.7	85
15	Whatâ€™s new in ceramics sintering? A short report on the latest trends and future prospects. Current Opinion in Solid State and Materials Science, 2020, 24, 100868.	11.5	81
16	Effect of Al addition on pressureless sintering of B4C. Ceramics International, 2009, 35, 831-837.	4.8	78
17	Design and production of ceramic laminates with high mechanical resistance and reliability. Acta Materialia, 2006, 54, 4929-4937.	7.9	76
18	The cold sintering process: A review on processing features, densification mechanisms and perspectives. Journal of the European Ceramic Society, 2021, 41, 1-17.	5.7	74

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19	Tailored Residual Stresses in High Reliability Alumina-Mullite Ceramic Laminates. Journal of the American Ceramic Society, 2005, 88, 2826-2832.	3.8	71
20	Pressureless sintering of boron carbide. Ceramics International, 2010, 36, 151-159.	4.8	71
21	Flash-sintering of MnCo2O4 and its relation to phase stability. Journal of the European Ceramic Society, 2014, 34, 2391-2400.	5.7	71
22	Effect of Mg2+ doping on betaâ€“alpha phase transition in tricalcium phosphate (TCP) bioceramics. Acta Biomaterialia, 2016, 33, 283-289.	8.3	70
23	HA/Î²-TCP plasma sprayed coatings on Ti substrate for biomedical applications. Ceramics International, 2018, 44, 1328-1333.	4.8	63
24	Conventional and field-assisted sintering of nanosized Gd-doped ceria synthesized by co-precipitation. Ceramics International, 2016, 42, 11766-11771.	4.8	58
25	Metakaolin-based inorganic polymer composite: Effects of fine aggregate composition and structure on porosity evolution, microstructure and mechanical properties. Cement and Concrete Composites, 2014, 53, 258-269.	10.7	56
26	Densification of La0.6Sr0.4Co0.2Fe0.8O3 ceramic by flash sintering at temperature less than 100ÂÂ°C. Journal of Materials Science, 2014, 49, 6321-6332.	3.7	56
27	Modelling, fabrication and experimental testing of an heat sink free wearable thermoelectric generator. Energy Conversion and Management, 2017, 145, 204-213.	9.2	56
28	Electronic conductivity in gadolinium doped ceria under direct current as a trigger for flash sintering. Scripta Materialia, 2020, 179, 55-60.	5.2	55
29	Chromium and vanadium carbide and nitride coatings obtained by TRD techniques on UNI 42CrMoS4 (AISI 4140) steel. Surface and Coatings Technology, 2016, 286, 319-326.	4.8	54
30	Theoretical and phenomenological analogies between flash sintering and dielectric breakdown in Î±-alumina. Journal of Applied Physics, 2016, 120, .	2.5	51
31	Photoemission during flash sintering: An interpretation based on thermal radiation. Journal of the European Ceramic Society, 2017, 37, 3125-3130.	5.7	50
32	Flawâ€Insensitive Ionâ€Exchanged Glass: I, Theoretical Aspects. Journal of the American Ceramic Society, 2001, 84, 1827-1831.	3.8	49
33	Design of inorganic polymer cements: Effects of matrix strengthening on microstructure. Construction and Building Materials, 2013, 38, 1135-1145.	7.2	49
34	Mechanical properties and residual stresses in ZrB2â€“SiC spark plasma sintered ceramic composites. Journal of the European Ceramic Society, 2016, 36, 1527-1537.	5.7	49
35	Microstructural and electrical investigation of flash-sintered Gd/Sm-doped ceria. Journal of Materials Science, 2017, 52, 7479-7488.	3.7	48
36	Nano-Hydroxyapatite Derived from Biogenic and Bioinspired Calcium Carbonates: Synthesis and In Vitro Bioactivity. Nanomaterials, 2021, 11, 264.	4.1	48

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37	Flawâ€Insensitive Ionâ€Exchanged Glass: II, Production and Mechanical Performance. Journal of the American Ceramic Society, 2001, 84, 1832-1838.	3.8	45
38	Tape casting fabrication and co-sintering of solid oxide â€œhalf cellsâ€•with a cathodeâ€“electrolyte porous interface. Solid State Ionics, 2006, 177, 2093-2097.	2.7	45
39	Fe-doped YSZ electrolyte for the fabrication of metal supported-SOFC by co-sintering. Ceramics International, 2015, 41, 9806-9812.	4.8	45
40	Flash Sintering of (La, Sr)(Co, Fe)O₃â€“Gdâ€Doped CeO₂ Composite. Journal of the American Ceramic Society, 2015, 98, 1747-1752.	3.8	43
41	Current-induced abnormal and oriented grain growth in corundum upon flash sintering. Scripta Materialia, 2018, 150, 82-86.	5.2	43
42	Ultrafast high-temperature sintering (UHS) of fine grained Î±-Al2O3. Journal of the European Ceramic Society, 2021, 41, 6626-6633.	5.7	43
43	Pressureless sintering of B4Câ€“TiB2 composites with Al additions. Ceramics International, 2011, 37, 3229-3235.	4.8	42
44	Processing and characterization of diatom nanoparticles and microparticles as potential source of silicon for bone tissue engineering. Materials Science and Engineering C, 2016, 59, 471-479.	7.3	42
45	Micro- and nano-hydroxyapatite as active reinforcement for soft biocomposites. International Journal of Biological Macromolecules, 2015, 72, 199-209.	7.5	41
46	Liquid phase flash sintering in magnesia silicate glass-containing alumina. Journal of the European Ceramic Society, 2017, 37, 705-713.	5.7	40
47	Phosphate glasses for optical fibers: Synthesis, characterization and mechanical properties. Journal of Non-Crystalline Solids, 2013, 362, 147-151.	3.1	38
48	Design and production of ceramic laminates with high mechanical reliability. Composites Part B: Engineering, 2006, 37, 481-489.	12.0	37
49	Sintering and Deformation of Solid Oxide Fuel Cells Produced by Sequential Tape Casting. International Journal of Applied Ceramic Technology, 2010, 7, 803-813.	2.1	35
50	Viscous flow flash sintering of porous silica glass. Journal of Non-Crystalline Solids, 2017, 476, 60-66.	3.1	35
51	Influence of indentation crack configuration on strength and fatigue behaviour of soda-lime silicate glass. Acta Metallurgica Et Materialia, 1995, 43, 965-972.	1.8	34
52	Analysis of the surface structure of soda lime silicate glass after chemical strengthening in different KNO3 salt baths. Journal of Non-Crystalline Solids, 2014, 401, 105-109.	3.1	32
53	Flash sintering of tricalcium phosphate (TCP) bioceramics. Journal of the European Ceramic Society, 2018, 38, 279-285.	5.7	32
54	SiO2 Entrapment of animal cells Part I Mechanical featurs of sol-gel SiO2 coatings. Journal of Materials Science, 1999, 34, 3587-3590.	3.7	30

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55	DC-electro softening in soda lime silicate glass: An electro-thermal analysis. Scripta Materialia, 2018, 151, 14-18.	5.2	29
56	Subcritical Growth of Indentation Median Cracks in Soda-Lime-Silica Glass. Journal of the American Ceramic Society, 1995, 78, 650-656.	3.8	28
57	Fatigue limit in fused silica. Journal of the European Ceramic Society, 2001, 21, 561-567.	5.7	28
58	Sodaâ€“borosilicate glass: normal or anomalous behavior under Vickers indentation?. Journal of Non-Crystalline Solids, 2004, 344, 51-59.	3.1	28
59	Flash joining of conductive ceramics in a few seconds by flash spark plasma sintering. Journal of the European Ceramic Society, 2019, 39, 4664-4672.	5.7	28
60	Chemical Strengthening of Soda Lime Silicate Float Glass: Effect of Small Differences in the <scp>KNO</scp>₃ Bath. International Journal of Applied Glass Science, 2015, 6, 72-82.	2.0	26
61	Rapid densification of Samarium-doped Ceria ceramic with nanometric grain size at 900â€“1100 Â°C. Materials Letters, 2017, 190, 17-19.	2.6	26
62	Surface Reconstruction under the Exposure of Electric Fields Enhances the Reactivity of Donor-Doped SrTiO₃. Journal of Physical Chemistry C, 2019, 123, 16883-16892.	3.1	26
63	Microstructural temperature gradient-driven diffusion: Possible densification mechanism for flash sintering of zirconia?. Ceramics International, 2019, 45, 1227-1236.	4.8	26
64	Flash cold sintering: Combining water and electricity. Journal of the European Ceramic Society, 2020, 40, 6266-6271.	5.7	26
65	3D printing of PCL/nano-hydroxyapatite scaffolds derived from biogenic sources for bone tissue engineering. Sustainable Materials and Technologies, 2021, 29, e00318.	3.3	26
66	Ultra-fast high-temperature sintering (UHS) of Ce0.2Zr0.2Y0.2Gd0.2La0.2O2âˆ'Î´ fluorite-structured entropy-stabilized oxide (F-ESO). Scripta Materialia, 2022, 214, 114655.	5.2	26
67	3D printing of geopolymer-based concrete for building applications. Rapid Prototyping Journal, 2020, 26, 1783-1788.	3.2	25
68	Speedy bioceramics: Rapid densification of tricalcium phosphate by ultrafast high-temperature sintering. Materials Science and Engineering C, 2021, 127, 112246.	7.3	25
69	Production of sharp cracks in ceramic materials by three-point bending of sandwiched specimens. Engineering Fracture Mechanics, 1998, 59, 447-456.	4.3	24
70	Ion-exchange strengthening of borosilicate glass: Influence of salt impurities and treatment temperature. Journal of Non-Crystalline Solids, 2017, 456, 12-21.	3.1	24
71	Electrical resistance flash sintering of tungsten carbide. Materials and Design, 2022, 213, 110330.	7.0	24
72	Effect of the Precipitating Agent on the Synthesis and Sintering Behavior of 20â€‰mol<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mtext mathvariant="bold">%</mml:mtext></mml:mrow></mml:math> Sm-Doped Ceria. Advances in Materials Science and Engineering, 2016, 2016, 1-8.	1.8	23

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73	A Comprehensive Study of Custom-Made Ceramic Separators for Microbial Fuel Cells: Towards â€œLivingâ€•Bricks. Energies, 2019, 12, 4071.	3.1	23
74	Mechanical properties of resorbable calcium-phosphate glass optical fiber and capillaries. Journal of Alloys and Compounds, 2019, 778, 410-417.	5.5	23
75	Beyond flash sintering: How the flash event could change ceramics and glass processing. Scripta Materialia, 2020, 187, 49-56.	5.2	23
76	Effect of silica and lignocellulosic additives on the formation and the distribution of meso and macropores in foam metakaolin-based geopolymer filters for dyes and wastewater filtration. SN Applied Sciences, 2020, 2, 1.	2.9	23
77	Enhancement of the SrTiO 3 Surface Reactivity by Exposure to Electric Fields. ChemNanoMat, 2019, 5, 948-956.	2.8	22
78	Engineered Stress-Profile Silicate Glass: High Strength Material Insensitive to Surface Defects and Fatigue. Advanced Engineering Materials, 2004, 6, 344-349.	3.5	21
79	Procedure for residual stress profile determination by curvature measurements. Mechanics of Materials, 2005, 37, 887-898.	3.2	21
80	Transformation of the geopolymer gels to crystalline bonds in cold-setting refractory concretes: Pore evolution, mechanical strength and microstructure. Materials and Design, 2015, 88, 336-344.	7.0	21
81	Self-compacting geopolymer concretes: Effects of addition of aluminosilicate-rich fines. Journal of Building Engineering, 2016, 5, 211-221.	3.4	21
82	Processing and Thermal Shock Resistance of a Polymer-Derived MoSi2/SiCO Ceramic Composite. Journal of the American Ceramic Society, 2005, 88, 3222-3225.	3.8	20
83	Electric fieldâ€assisted ion exchange strengthening of borosilicate and soda lime silicate glass. International Journal of Applied Glass Science, 2017, 8, 291-300.	2.0	20
84	The sub-critical indentation fracture process in soda-lime-silica glass. Engineering Fracture Mechanics, 1996, 55, 35-46.	4.3	19
85	Vertical sintering to measure the uniaxial viscosity of thin ceramic layers. Acta Materialia, 2010, 58, 5558-5564.	7.9	19
86	Crack decorating technique for fracture-toughness measurement in alumina. Journal of the European Ceramic Society, 1997, 17, 1697-1706.	5.7	18
87	Porcelain stoneware consolidation by flash sintering. Journal of the American Ceramic Society, 2018, 101, 71-81.	3.8	18
88	Threshold stress intensity factor in soda-lime silicate glass by interrupted static fatigue test. Journal of the European Ceramic Society, 1996, 16, 645-651.	5.7	17
89	Effect of Al and Ce doping on the deformation upon sintering in sequential tape cast layers for solid oxide fuel cells. Journal of Power Sources, 2009, 193, 80-85.	7.8	17
90	A New HA/TTCP Material for Bone Augmentation. Implant Dentistry, 2013, 22, 83-90.	1.3	17

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91	Effect of MgO addition on solid state synthesis and thermal behavior of beta-tricalcium phosphate. Ceramics International, 2015, 41, 2512-2518.	4.8	17
92	Indentation method for fracture resistance determination of metal/ceramic interfaces in thick TBCs. Journal of Thermal Spray Technology, 1994, 3, 51-56.	3.1	16
93	Assessment of high power HEV lead-acid battery advancements by comparative benchmarking with a European test procedure. Journal of Power Sources, 2003, 116, 118-127.	7.8	16
94	Alumina/Silicon Carbide Laminated Composites by Spark Plasma Sintering. Journal of the American Ceramic Society, 2009, 92, 2693-2697.	3.8	16
95	Electric current effect during the early stages of fieldâ€assisted sintering. Journal of the American Ceramic Society, 2019, 102, 813-822.	3.8	16
96	Phenomenological understanding of flash sintering in MnCo2O4. Journal of the European Ceramic Society, 2018, 38, 4543-4552.	5.7	16
97	Copper-based electrodes for IT-SOFC. Journal of the European Ceramic Society, 2019, 39, 17-20.	5.7	16
98	Flash sintering of yttria-stabilized zirconia/graphene nano-platelets composite. Ceramics International, 2020, 46, 23266-23270.	4.8	16
99	Mechanical Properties of Phosphate Glass Optical Fibers. International Journal of Applied Glass Science, 2014, 5, 57-64.	2.0	15
100	Novel method for the identification of the maximum solid loading suitable for optimal extrusion of ceramic pastes. Journal of Advanced Ceramics, 2014, 3, 7-16.	17.4	15
101	Effect of anode thickness and Cu content on consolidation and performance of planar copper-based anode-supported SOFC. International Journal of Hydrogen Energy, 2017, 42, 12543-12550.	7.1	15
102	Gd/Sm-Pr Co-Doped Ceria: A First Report of the Precipitation Method Effect on Flash Sintering. Materials, 2019, 12, 1218.	2.9	15
103	Cold sintering of diatomaceous earth. Journal of the American Ceramic Society, 2021, 104, 4329-4340.	3.8	15
104	Damage in Al2O3 sintering compacts under very low tensile stress. Journal of Materials Science Letters, 1999, 18, 895-900.	0.5	14
105	Sandwichedâ€Beam Procedure for Precracking Brittle Materials. Journal of the American Ceramic Society, 1999, 82, 2269-2272.	3.8	14
106	Thermal behaviour and phases evolution during the sintering of porous inorganic membranes. Journal of the European Ceramic Society, 2020, 40, 2151-2162.	5.7	14
107	Influence of Composition on Fatigue Behavior and Threshold Stress Intensity Factor of Borosilicate Glasses. Journal of the American Ceramic Society, 2002, 85, 2499-2506.	3.8	13
108	Nondestructive Measurement of the Residual Stress Profile in Ceramic Laminates. Journal of the American Ceramic Society, 2008, 91, 1218-1225.	3.8	13

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109	Fabrication and co-sintering of thin tubular IT-SOFC with Cu2Oâ€“GDC cermet supporting anode and Li2O-doped GDC electrolyte. Journal of the European Ceramic Society, 2015, 35, 2119-2127.	5.7	13
110	Design of Inorganic Polymer Mortar from Ferricalsialic and Calsialic Slags for Indoor Humidity Control. Materials, 2016, 9, 410.	2.9	13
111	Production of planar copper-based anode supported intermediate temperature solid oxide fuel cells cosintered at 950ÂÂ°C. Journal of Power Sources, 2016, 328, 235-240.	7.8	13
112	Ceramic laminates with improved mechanical reliability by tailoring the porosity of the constituting layers. Journal of the European Ceramic Society, 2017, 37, 1643-1650.	5.7	13
113	Design and characterization of porous mullite based semi-vitrified ceramics. Ceramics International, 2018, 44, 7939-7948.	4.8	13
114	Tuning the flash sintering characteristics of ceria with MnCo2O4. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 228, 160-166.	3.5	13
115	Low-temperature synthesis of nanometric apatite from biogenic sources. Ceramics International, 2020, 46, 23526-23533.	4.8	13
116	Protective Coatings of Metallic Interconnects for IT-SOFC Application. Journal of Fuel Cell Science and Technology, 2008, 5, .	0.8	12
117	Stability of ferritic perovskite cathodes in anode-supported solid oxide fuel cells under different processing and operation parameters. Electrochimica Acta, 2011, 58, 312-321.	5.2	12
118	Correlation between microstructural evolution and mechanical properties ofÎ±-quartz and alumina reinforced K-geopolymers during high temperature treatments. Advances in Applied Ceramics, 2012, 111, 120-128.	1.1	12
119	Flash sintering of Mg-doped tricalcium phosphate (TCP) nanopowders. Journal of the European Ceramic Society, 2019, 39, 3883-3892.	5.7	12
120	Effect of etch depth on strength of soda-lime glass rods by a statistical approach. Journal of the European Ceramic Society, 1993, 11, 341-346.	5.7	11
121	Relaxation of indentation residual stress in alumina: Experimental observation by X-ray diffraction. Journal of the European Ceramic Society, 1998, 18, 1663-1668.	5.7	11
122	Indentation Determination of Fatigue Limits in Silicate Glasses. Journal of the American Ceramic Society, 1999, 82, 1269-1274.	3.8	11
123	Influence of the Architecture on the Mechanical Performances of Alumina-Zirconia-Mullite Ceramic Laminates. Advances in Science and Technology, 2006, 45, 1103-1108.	0.2	11
124	Influence of salt bath calcium contamination on soda lime silicate glass chemical strengthening. Journal of Non-Crystalline Solids, 2017, 458, 121-128.	3.1	11
125	Sintering behavior of Ba/Sr celsian precursor obtained from zeoliteâ€A by ionâ€exchange method. Journal of the American Ceramic Society, 2017, 100, 5433-5443.	3.8	11
126	Polymer-derived Si3N4 nanofelts as a novel oil spills clean-up architecture. Journal of Environmental Chemical Engineering, 2020, 8, 104134.	6.7	11

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127	Fabrication and characterization of polymer-derived Si2N2O-ZrO2 nanocomposite ceramics. Journal of Materials Science, 1993, 28, 6437-6441.	3.7	10
128	CYCLIC LOADING BEHAVIOUR OF SODA-LIME SILICATE GLASS USING INDENTATION CRACKS. Fatigue and Fracture of Engineering Materials and Structures, 1997, 20, 1225-1234.	3.4	10
129	Production and Performance of Copper-based Anode-supported SOFCs. ECS Transactions, 2015, 68, 2583-2596.	0.5	10
130	Electrode-dependent Joule heating in soda lime silicate glass during flash processes. Scripta Materialia, 2020, 182, 94-98.	5.2	10
131	Enhancing the crystallization phenomena and strength of porcelain stoneware: the role of CaO. Journal of Thermal Analysis and Calorimetry, 2021, 144, 91-106.	3.6	10
132	Conventional and electric field-assisted ion exchange on glass-ceramics for dental applications. Journal of the European Ceramic Society, 2021, 41, 5341-5348.	5.7	10
133	The role of kyanite in the crystallization and densification of the high strength mullite matrix composites. Journal of Thermal Analysis and Calorimetry, 2018, 131, 969-982.	3.6	10
134	Solid-state field-assisted ion exchange of Ag in lithium aluminum silicate glass-ceramics: A superfast processing route toward stronger materials with antimicrobial properties. Journal of the European Ceramic Society, 2022, 42, 1750-1761.	5.7	10
135	The interrupted static fatigue test for evaluating threshold stress intensity factor in ceramic materials: A numerical analysis. Journal of the European Ceramic Society, 1995, 15, 777-785.	5.7	9
136	Indentation fatigure testing of soda-lime silicate glass. Journal of Materials Science, 1999, 34, 579-585.	3.7	9
137	Reduction and Reoxidation Processes of NiOâˆ•YSZ Composite for Solid Oxide Fuel Cell Anodes. Journal of Fuel Cell Science and Technology, 2006, 3, 487-491.	0.8	9
138	Fabrication of Innovative Compliant Current Collectorâ€Supported Microtubular Solid Oxide Fuel Cells. International Journal of Applied Ceramic Technology, 2012, 9, 1058-1063.	2.1	9
139	Effect of pressure on the electrical resistance flash sintering of tungsten carbide. Journal of the European Ceramic Society, 2022, 42, 2028-2038.	5.7	9
140	The preparation and mechanical properties of Al2O3/Ni3Al composites. Composites Science and Technology, 1999, 59, 1207-1212.	7.8	8
141	Processing of glasses with engineered stress profiles. Journal of Non-Crystalline Solids, 2004, 344, 73-78.	3.1	8
142	Strengthening of soda-lime-silica glass by surface treatment with solâ€“gel silica. Journal of Non-Crystalline Solids, 2007, 353, 1540-1545.	3.1	8
143	Effect of Na contamination on the chemical strengthening of soda-lime silicate float glass by ion-exchange in molten potassium nitrate. Journal of Non-Crystalline Solids, 2019, 515, 143-148.	3.1	8
144	Flash-induced spreading of metals on zirconia. Scripta Materialia, 2020, 176, 73-77.	5.2	8

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145	Electric forces effect on field-assisted sintering. Journal of the European Ceramic Society, 2020, 40, 6259-6265.	5.7	8
146	Fracture toughness of high-purity alumina at room and elevated temperature. Journal of Materials Science Letters, 1999, 18, 1127-1130.	0.5	7
147	Effect of Bismuth Oxide as Sintering Aid for Gadolinia-doped Ceria at 1050ÂC. ECS Transactions, 2015, 68, 413-420.	0.5	7
148	Influence of processing conditions on the microstructure of NiO-YSZ supporting anode for solid oxide fuel cells. Ceramics International, 2015, 41, 2543-2557.	4.8	7
149	Can annealing improve the chemical strengthening of thin borosilicate glass?. Journal of Non-Crystalline Solids, 2017, 465, 1-7.	3.1	7
150	Influence of Copperâ€based Anode Composition on Intermediate Temperature Solid Oxide Fuel Cells Performance. Fuel Cells, 2017, 17, 708-715.	2.4	7
151	Semi-vitrified porous kyanite mullite ceramics: Young modulus, microstructure and pore size evolution. SN Applied Sciences, 2020, 2, 1.	2.9	7
152	Flash Sintering of YSZ/Al2O3 Composites: Effect of Processing and Testing Conditions. Materials, 2021, 14, 1031.	2.9	7
153	Controlling the Thermal Stability of Kyanite-Based Refractory Geopolymers. Materials, 2021, 14, 2903.	2.9	7
154	Athermal electric field effects in flash sintered zirconia. Advances in Applied Ceramics, 2021, 120, 193-201.	1.1	7
155	Solid state field-assisted silver ion exchange in porcelain stoneware: A new route toward antimicrobial tiles?. Journal of the European Ceramic Society, 2021, 41, 3755-3760.	5.7	7
156	Biogenic architectures for green, cheap, and efficient thermal energy storage and management. Renewable Energy, 2021, 178, 96-107.	8.9	7
157	Aging effect on the mechanical properties of hybrid gels. Journal of Sol-Gel Science and Technology, 1994, 2, 143-146.	2.4	6
158	In situ observation of crack propagation in ESP (engineered stress profile) glass. Engineering Fracture Mechanics, 2007, 74, 1383-1398.	4.3	6
159	Comparative Performance Analysis of Anodeâ€Supported Microâ€Tubular SOFCs with Different Currentâ€Collection Architectures. Fuel Cells, 2013, 13, 729-732.	2.4	6
160	On the power density at the onset for flash sintering in ceramic composites. Scripta Materialia, 2021, 201, 113984.	5.2	6
161	Fracture mechanics determination of stress profiles in Naî—¸K ion-exchanged glass optical waveguides. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 119, L9-L12.	5.6	5
162	Fabrication and optical assessment of sol-gel-derived photonic bandgap dielectric structures. , 2006, 6182, 454.		5

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163	Alâ€doped Ni/YSZ Anode Material with Improved Electrical Conductivity for MSâ€SOFC Fabrication by Cosintering. International Journal of Applied Ceramic Technology, 2015, 12, E61.	2.1	5
164	Sintering of mixed Caâ€“Kâ€“Na phosphates: Spark plasma sintering vs flash-sintering. Open Ceramics, 2021, 5, 100072.	2.0	5
165	Refractory ceramics bonds from potassium-based inorganic polymer for advanced applications: Crystalline phase changes and descriptive microstructure. Ceramics International, 2022, 48, 21579-21588.	4.8	5
166	Structure-property behavior during aging of sol-gel-derived silica modified with Siâ€“H and Siâ€“CH3 groups. Journal of Materials Research, 1999, 14, 2100-2106.	2.6	4
167	Production of Compliant Current Collector-Supported Micro-Tubular Solid Oxide Fuel Cells. ECS Transactions, 2011, 35, 747-755.	0.5	4
168	Effect of the Current Collector on Performance of Anode-Supported Microtubular Solid Oxide Fuel Cells. Journal of Fuel Cell Science and Technology, 2015, 12, .	0.8	4
169	Performance and evolution of planar copper-based anode-supported solid oxide fuel cells. Journal of the Ceramic Society of Japan, 2017, 125, 313-316.	1.1	4
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