

# Vincenzo Maria Sglavo

## List of Publications by Year in descending order

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200  
papers

5,792  
citations

70961

41  
h-index

102304

66  
g-index

218  
all docs

218  
docs citations

218  
times ranked

4131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-state field-assisted ion exchange of Ag in lithium aluminum silicate glass-ceramics: A superfast processing route toward stronger materials with antimicrobial properties. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1750-1761.	2.8	10
2	Electrical resistance flash sintering of tungsten carbide. <i>Materials and Design</i> , 2022, 213, 110330.	3.3	24
3	Effect of pressure on the electrical resistance flash sintering of tungsten carbide. <i>Journal of the European Ceramic Society</i> , 2022, 42, 2028-2038.	2.8	9
4	Understanding the flash sintering behavior for hydroxyapatite. <i>Journal of Materials Research</i> , 2022, 37, 1030-1036.	1.2	2
5	Production of metal-supported solid oxide fuel cells by co-sintering route. <i>Materials Today: Proceedings</i> , 2022, 63, 76-84.	0.9	3
6	Ultra-fast high-temperature sintering (UHS) of $\text{Ce}_{0.2}\text{Zr}_{0.2}\text{Y}_{0.2}\text{Gd}_{0.2}\text{La}_{0.2}\text{O}_{2-\delta}$ fluorite-structured entropy-stabilized oxide (F-ESO). <i>Scripta Materialia</i> , 2022, 214, 114655.	2.6	26
7	Refractory ceramics bonds from potassium-based inorganic polymer for advanced applications: Crystalline phase changes and descriptive microstructure. <i>Ceramics International</i> , 2022, 48, 21579-21588.	2.3	5
8	Impact of reducing conditions on the stabilization of $\text{Mg}_{0.2}\text{Co}_{0.2}\text{Ni}_{0.2}\text{Cu}_{0.2}\text{Zn}_{0.2}\text{O}$ high-entropy oxide. <i>Ceramics International</i> , 2022, 48, 30184-30190.	2.3	4
9	Enhancing the crystallization phenomena and strength of porcelain stoneware: the role of CaO. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 91-106.	2.0	10
10	Glass: Chemical and Thermal Strengthening. , 2021, , 632-646.		0
11	Flash Sintering of YSZ/Al <sub>2</sub> O <sub>3</sub> Composites: Effect of Processing and Testing Conditions. <i>Materials</i> , 2021, 14, 1031.	1.3	7
12	Electrode Material Effect on the Flash Ignition in Soda-Lime Silicate Glass. <i>Ceramics</i> , 2021, 4, 70-82.	1.0	0
13	Sintering of mixed Ca-K-Na phosphates: Spark plasma sintering vs flash-sintering. <i>Open Ceramics</i> , 2021, 5, 100072.	1.0	5
14	Controlling the Thermal Stability of Kyanite-Based Refractory Geopolymers. <i>Materials</i> , 2021, 14, 2903.	1.3	7
15	Athermal electric field effects in flash sintered zirconia. <i>Advances in Applied Ceramics</i> , 2021, 120, 193-201.	0.6	7
16	Cold sintering of diatomaceous earth. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4329-4340.	1.9	15
17	Solid state field-assisted silver ion exchange in porcelain stoneware: A new route toward antimicrobial tiles?. <i>Journal of the European Ceramic Society</i> , 2021, 41, 3755-3760.	2.8	7
18	Conventional and electric field-assisted ion exchange on glass-ceramics for dental applications. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5341-5348.	2.8	10

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19	On the power density at the onset for flash sintering in ceramic composites. <i>Scripta Materialia</i> , 2021, 201, 113984.	2.6	6
20	Speedy bioceramics: Rapid densification of tricalcium phosphate by ultrafast high-temperature sintering. <i>Materials Science and Engineering C</i> , 2021, 127, 112246.	3.8	25
21	3D printing of PCL/nano-hydroxyapatite scaffolds derived from biogenic sources for bone tissue engineering. <i>Sustainable Materials and Technologies</i> , 2021, 29, e00318.	1.7	26
22	The cold sintering process: A review on processing features, densification mechanisms and perspectives. <i>Journal of the European Ceramic Society</i> , 2021, 41, 1-17.	2.8	74
23	Ultrafast high-temperature sintering (UHS) of fine grained $\alpha$ -Al <sub>2</sub> O <sub>3</sub> . <i>Journal of the European Ceramic Society</i> , 2021, 41, 6626-6633.	2.8	43
24	Biogenic architectures for green, cheap, and efficient thermal energy storage and management. <i>Renewable Energy</i> , 2021, 178, 96-107.	4.3	7
25	Flash sintering of zircon: rapid consolidation of an ultrahigh bandgap ceramic. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 374-381.	1.0	3
26	Nano-Hydroxyapatite Derived from Biogenic and Bioinspired Calcium Carbonates: Synthesis and In Vitro Bioactivity. <i>Nanomaterials</i> , 2021, 11, 264.	1.9	48
27	Flash-induced spreading of metals on zirconia. <i>Scripta Materialia</i> , 2020, 176, 73-77.	2.6	8
28	Semi-vitrified porous kyanite mullite ceramics: Young modulus, microstructure and pore size evolution. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
29	3D printing of geopolymers-based concrete for building applications. <i>Rapid Prototyping Journal</i> , 2020, 26, 1783-1788.	1.6	25
30	What's new in ceramics sintering? A short report on the latest trends and future prospects. <i>Current Opinion in Solid State and Materials Science</i> , 2020, 24, 100868.	5.6	81
31	Sodium-caesium electric field assisted ion exchange in a mixed-alkali (Na, K) lime silicate glass. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120390.	1.5	2
32	Detection of phases in Fe-doped YSZ by XRD and Raman spectroscopy. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2424-2429.	1.1	3
33	Electrode-dependent Joule heating in soda lime silicate glass during flash processes. <i>Scripta Materialia</i> , 2020, 182, 94-98.	2.6	10
34	Beyond flash sintering: How the flash event could change ceramics and glass processing. <i>Scripta Materialia</i> , 2020, 187, 49-56.	2.6	23
35	Polymer-derived Si <sub>3</sub> N <sub>4</sub> nanofelts as a novel oil spills clean-up architecture. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104134.	3.3	11
36	Flash cold sintering: Combining water and electricity. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6266-6271.	2.8	26

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37	Flash sintering of yttria-stabilized zirconia/graphene nano-platelets composite. <i>Ceramics International</i> , 2020, 46, 23266-23270.	2.3	16
38	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. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	23
39	Electric forces effect on field-assisted sintering. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6259-6265.	2.8	8
40	Low-temperature synthesis of nanometric apatite from biogenic sources. <i>Ceramics International</i> , 2020, 46, 23526-23533.	2.3	13
41	Spark plasma sintering of alumina/yttria-doped silicon carbide. <i>International Journal of Ceramic Engineering &amp; Science</i> , 2020, 2, 92-100.	0.5	2
42	Thermal behaviour and phases evolution during the sintering of porous inorganic membranes. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2151-2162.	2.8	14
43	Electronic conductivity in gadolinium doped ceria under direct current as a trigger for flash sintering. <i>Scripta Materialia</i> , 2020, 179, 55-60.	2.6	55
44	Electric current effect during the early stages of field-assisted sintering. <i>Journal of the American Ceramic Society</i> , 2019, 102, 813-822.	1.9	16
45	Flash joining of conductive ceramics in a few seconds by flash spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4664-4672.	2.8	28
46	Surface Reconstruction under the Exposure of Electric Fields Enhances the Reactivity of Donor-Doped SrTiO <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2019, 123, 16883-16892.	1.5	26
47	Enhancement of the SrTiO <sub>3</sub> Surface Reactivity by Exposure to Electric Fields. <i>ChemNanoMat</i> , 2019, 5, 948-956.	1.5	22
48	Flash sintering of Mg-doped tricalcium phosphate (TCP) nanopowders. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3883-3892.	2.8	12
49	Effect of Na contamination on the chemical strengthening of soda-lime silicate float glass by ion-exchange in molten potassium nitrate. <i>Journal of Non-Crystalline Solids</i> , 2019, 515, 143-148.	1.5	8
50	Gd/Sm-Pr Co-Doped Ceria: A First Report of the Precipitation Method Effect on Flash Sintering. <i>Materials</i> , 2019, 12, 1218.	1.3	15
51	A Comprehensive Study of Custom-Made Ceramic Separators for Microbial Fuel Cells: Towards "Living" Bricks. <i>Energies</i> , 2019, 12, 4071.	1.6	23
52	Flash sintering of ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 115-143.	2.8	292
53	Mechanical properties of resorbable calcium-phosphate glass optical fiber and capillaries. <i>Journal of Alloys and Compounds</i> , 2019, 778, 410-417.	2.8	23
54	Microstructural temperature gradient-driven diffusion: Possible densification mechanism for flash sintering of zirconia?. <i>Ceramics International</i> , 2019, 45, 1227-1236.	2.3	26

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55	Copper-based electrodes for IT-SOFC. Journal of the European Ceramic Society, 2019, 39, 17-20.	2.8	16
56	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.	1.7	113
57	Design and characterization of porous mullite based semi-vitrified ceramics. Ceramics International, 2018, 44, 7939-7948.	2.3	13
58	DC-electro softening in soda lime silicate glass: An electro-thermal analysis. Scripta Materialia, 2018, 151, 14-18.	2.6	29
59	Current-induced abnormal and oriented grain growth in corundum upon flash sintering. Scripta Materialia, 2018, 150, 82-86.	2.6	43
60	PDMS Template Generator for Wearable Thermoelectric Energy Harvesting Applications. Lecture Notes in Electrical Engineering, 2018, , 19-24.	0.3	1
61	HA/ $\beta$ -TCP plasma sprayed coatings on Ti substrate for biomedical applications. Ceramics International, 2018, 44, 1328-1333.	2.3	63
62	Tuning the flash sintering characteristics of ceria with MnCo <sub>2</sub> O <sub>4</sub> . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 228, 160-166.	1.7	13
63	Flash sintering of tricalcium phosphate (TCP) bioceramics. Journal of the European Ceramic Society, 2018, 38, 279-285.	2.8	32
64	Porcelain stoneware consolidation by flash sintering. Journal of the American Ceramic Society, 2018, 101, 71-81.	1.9	18
65	Investigation of Electrochemical, Optical and Thermal Effects during Flash Sintering of 8YSZ. Materials, 2018, 11, 1214.	1.3	150
66	Phenomenological understanding of flash sintering in MnCo <sub>2</sub> O <sub>4</sub> . Journal of the European Ceramic Society, 2018, 38, 4543-4552.	2.8	16
67	Fabrication and Testing of Copper/Gadolinium-Doped Ceria-Based Solid Oxide Fuel Cells Operating at Intermediate Temperature. Energy Technology, 2018, 6, 2289-2295.	1.8	0
68	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.	2.0	10
69	Resorbable phosphate glass optical and hollow fibers for biomedicine (Conference Presentation). , 2018, , .		0
70	Electric field-assisted ion exchange strengthening of borosilicate and soda lime silicate glass. International Journal of Applied Glass Science, 2017, 8, 291-300.	1.0	20
71	Can annealing improve the chemical strengthening of thin borosilicate glass?. Journal of Non-Crystalline Solids, 2017, 465, 1-7.	1.5	7
72	Modelling, fabrication and experimental testing of an heat sink free wearable thermoelectric generator. Energy Conversion and Management, 2017, 145, 204-213.	4.4	56

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73	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.	3.8	15
74	Photoemission during flash sintering: An interpretation based on thermal radiation. Journal of the European Ceramic Society, 2017, 37, 3125-3130.	2.8	50
75	Microstructural and electrical investigation of flash-sintered Gd/Sm-doped ceria. Journal of Materials Science, 2017, 52, 7479-7488.	1.7	48
76	Ceramic laminates with improved mechanical reliability by tailoring the porosity of the constituting layers. Journal of the European Ceramic Society, 2017, 37, 1643-1650.	2.8	13
77	Influence of salt bath calcium contamination on soda lime silicate glass chemical strengthening. Journal of Non-Crystalline Solids, 2017, 458, 121-128.	1.5	11
78	Rapid densification of Samarium-doped Ceria ceramic with nanometric grain size at 900–1100 °C. Materials Letters, 2017, 190, 17-19.	1.3	26
79	Viscous flow flash sintering of porous silica glass. Journal of Non-Crystalline Solids, 2017, 476, 60-66.	1.5	35
80	Influence of Copper-based Anode Composition on Intermediate Temperature Solid Oxide Fuel Cells Performance. Fuel Cells, 2017, 17, 708-715.	1.5	7
81	Sintering behavior of Ba/Sr celsian precursor obtained from zeolite by ion-exchange method. Journal of the American Ceramic Society, 2017, 100, 5433-5443.	1.9	11
82	Ion-exchange strengthening of borosilicate glass: Influence of salt impurities and treatment temperature. Journal of Non-Crystalline Solids, 2017, 456, 12-21.	1.5	24
83	Synthesis and characterization of strontium-substituted hydroxyapatite nanoparticles for bone regeneration. Materials Science and Engineering C, 2017, 71, 653-662.	3.8	117
84	Liquid phase flash sintering in magnesia silicate glass-containing alumina. Journal of the European Ceramic Society, 2017, 37, 705-713.	2.8	40
85	Performance and evolution of planar copper-based anode-supported solid oxide fuel cells. Journal of the Ceramic Society of Japan, 2017, 125, 313-316.	0.5	4
86	Phosphate glass fibers for optical amplifiers and biomedical applications. , 2017, , .		1
87	Ceria-Based Nanoceramics by Flash Sintering. Advanced Science Letters, 2017, 23, 5988-5990.	0.2	0
88	Design of Inorganic Polymer Mortar from Ferric silicic and Calsialic Slags for Indoor Humidity Control. Materials, 2016, 9, 410.	1.3	13
89	Effect of the Precipitating Agent on the Synthesis and Sintering Behavior of 20%mol Sm-Doped Ceria. Advances in Materials Science and Engineering. 2016, 2016, 1-8.	1.0	23
90	Theoretical and phenomenological analogies between flash sintering and dielectric breakdown in $\alpha$ -alumina. Journal of Applied Physics, 2016, 120, .	1.1	51

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91	Production of planar copper-based anode supported intermediate temperature solid oxide fuel cells cosintered at 950°C. Journal of Power Sources, 2016, 328, 235-240.	4.0	13
92	Conventional and field-assisted sintering of nanosized Gd-doped ceria synthesized by co-precipitation. Ceramics International, 2016, 42, 11766-11771.	2.3	58
93	Mechanical properties and residual stresses in ZrB <sub>2</sub> -SiC spark plasma sintered ceramic composites. Journal of the European Ceramic Society, 2016, 36, 1527-1537.	2.8	49
94	Effect of Mg <sup>2+</sup> doping on beta-α phase transition in tricalcium phosphate (TCP) bioceramics. Acta Biomaterialia, 2016, 33, 283-289.	4.1	70
95	Self-compacting geopolymer concretes: Effects of addition of aluminosilicate-rich fines. Journal of Building Engineering, 2016, 5, 211-221.	1.6	21
96	Flash sintering of alumina: Effect of different operating conditions on densification. Journal of the European Ceramic Society, 2016, 36, 2535-2542.	2.8	118
97	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.	2.2	54
98	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.	3.8	42
99	Al <sub>2</sub> O <sub>3</sub> -doped Ni/YSZ Anode Material with Improved Electrical Conductivity for MSOFC Fabrication by Cosintering. International Journal of Applied Ceramic Technology, 2015, 12, E61.	1.1	5
100	Flash Sintering of (La, Sr)(Co, Fe)O <sub>3</sub> -Gd-doped CeO <sub>2</sub> Composite. Journal of the American Ceramic Society, 2015, 98, 1747-1752.	1.9	43
101	Chemical Strengthening of Soda Lime Silicate Float Glass: Effect of Small Differences in the KNO <sub>3</sub> Bath. International Journal of Applied Glass Science, 2015, 6, 72-82.	1.0	26
102	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
103	Fabrication and co-sintering of thin tubular IT-SOFC with Cu <sub>2</sub> O-GDC cermet supporting anode and Li <sub>2</sub> O-doped GDC electrolyte. Journal of the European Ceramic Society, 2015, 35, 2119-2127.	2.8	13
104	Effect of Bismuth Oxide as Sintering Aid for Gadolinia-doped Ceria at 1050°C. ECS Transactions, 2015, 68, 413-420.	0.3	7
105	Production and Performance of Copper-based Anode-supported SOFCs. ECS Transactions, 2015, 68, 2583-2596.	0.3	10
106	Fe-doped YSZ electrolyte for the fabrication of metal supported-SOFC by co-sintering. Ceramics International, 2015, 41, 9806-9812.	2.3	45
107	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.	3.3	21
108	Effect of MgO addition on solid state synthesis and thermal behavior of beta-tricalcium phosphate. Ceramics International, 2015, 41, 2512-2518.	2.3	17

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109	Influence of processing conditions on the microstructure of NiO-YSZ supporting anode for solid oxide fuel cells. <i>Ceramics International</i> , 2015, 41, 2543-2557.	2.3	7
110	Micro- and nano-hydroxyapatite as active reinforcement for soft biocomposites. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 199-209.	3.6	41
111	Mechanical Properties of Phosphate Glass Optical Fibers. <i>International Journal of Applied Glass Science</i> , 2014, 5, 57-64.	1.0	15
112	Field assisted sintering of ceramic constituted by alumina and yttria stabilized zirconia. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2435-2442.	2.8	85
113	Flash sintering as a nucleation phenomenon and a model thereof. <i>Journal of the European Ceramic Society</i> , 2014, 34, 4063-4067.	2.8	144
114	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
115	Densification of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3</sub> ceramic by flash sintering at temperature less than 100Â°C. <i>Journal of Materials Science</i> , 2014, 49, 6321-6332.	1.7	56
116	Novel method for the identification of the maximum solid loading suitable for optimal extrusion of ceramic pastes. <i>Journal of Advanced Ceramics</i> , 2014, 3, 7-16.	8.9	15
117	Flash-sintering of MnCo <sub>2</sub> O <sub>4</sub> and its relation to phase stability. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2391-2400.	2.8	71
118	Analysis of the surface structure of soda lime silicate glass after chemical strengthening in different KNO <sub>3</sub> salt baths. <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 105-109.	1.5	32
119	Phosphate glasses for optical fibers: Synthesis, characterization and mechanical properties. <i>Journal of Non-Crystalline Solids</i> , 2013, 362, 147-151.	1.5	38
120	Design of inorganic polymer cements: Effects of matrix strengthening on microstructure. <i>Construction and Building Materials</i> , 2013, 38, 1135-1145.	3.2	49
121	A New HA/TTCP Material for Bone Augmentation. <i>Implant Dentistry</i> , 2013, 22, 83-90.	1.7	17
122	Electric Field Assisted Sintering of Cubic Zirconia at 390Â°C. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1342-1344.	1.9	154
123	Ferritic Cathodes Degradation by Potassium/Chromium Poisoning and Air Humidification. <i>Fuel Cells</i> , 2013, 13, 720-728.	1.5	0
124	Comparative Performance Analysis of Anode-Supported Micro-Tubular SOFCs with Different Current-Collection Architectures. <i>Fuel Cells</i> , 2013, 13, 729-732.	1.5	6
125	Correlation between microstructural evolution and mechanical properties of <i>Î±</i> -quartz and alumina reinforced K-geopolymers during high temperature treatments. <i>Advances in Applied Ceramics</i> , 2012, 111, 120-128.	0.6	12
126	Fabrication of Innovative Compliant Current Collector-Supported Microtubular Solid Oxide Fuel Cells. <i>International Journal of Applied Ceramic Technology</i> , 2012, 9, 1058-1063.	1.1	9



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127	Stability of ferritic perovskite cathodes in anode-supported solid oxide fuel cells under different processing and operation parameters. <i>Electrochimica Acta</i> , 2011, 58, 312-321.	2.6	12
128	Pressureless sintering of B <sub>4</sub> C-TiB <sub>2</sub> composites with Al additions. <i>Ceramics International</i> , 2011, 37, 3229-3235.	2.3	42
129	Influence of curing temperature on the evolution of magnesium oxychloride cement. <i>Journal of Materials Science</i> , 2011, 46, 6726-6733.	1.7	88
130	Flash-sintering of Co <sub>2</sub> MnO <sub>4</sub> spinel for solid oxide fuel cell applications. <i>Journal of Power Sources</i> , 2011, 196, 2061-2065.	4.0	181
131	High Strength Engineered Alumina-Silicon Carbide Laminated Composites by Spark Plasma Sintering. <i>Procedia Engineering</i> , 2011, 10, 2621-2626.	1.2	2
132	Production of Compliant Current Collector-Supported Micro-Tubular Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2011, 35, 747-755.	0.3	4
133	Pressureless sintering of boron carbide. <i>Ceramics International</i> , 2010, 36, 151-159.	2.3	71
134	Vertical sintering to measure the uniaxial viscosity of thin ceramic layers. <i>Acta Materialia</i> , 2010, 58, 5558-5564.	3.8	19
135	Sintering and Deformation of Solid Oxide Fuel Cells Produced by Sequential Tape Casting. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 803-813.	1.1	35
136	Alkali-ions diffusion, mullite formation, and crystals dissolution during sintering of porcelain bodies: Microstructural approach. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2009, 223, 183-191.	0.7	2
137	Effect of Doping Elements on the Redox Kinetics of NiO-YSZ Powders for SOFC Applications. <i>ECS Transactions</i> , 2009, 25, 2003-2012.	0.3	2
138	Alumina/Silicon Carbide Laminated Composites by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2693-2697.	1.9	16
139	Effect of Al addition on pressureless sintering of B <sub>4</sub> C. <i>Ceramics International</i> , 2009, 35, 831-837.	2.3	78
140	Effect of Al and Ce doping on the deformation upon sintering in sequential tape cast layers for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2009, 193, 80-85.	4.0	17
141	Nondestructive Measurement of the Residual Stress Profile in Ceramic Laminates. <i>Journal of the American Ceramic Society</i> , 2008, 91, 1218-1225.	1.9	13
142	Protective Coatings of Metallic Interconnects for IT-SOFC Application. <i>Journal of Fuel Cell Science and Technology</i> , 2008, 5, .	0.8	12
143	Strengthening of soda-lime-silica glass by surface treatment with sol-gel silica. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1540-1545.	1.5	8
144	In situ observation of crack propagation in ESP (engineered stress profile) glass. <i>Engineering Fracture Mechanics</i> , 2007, 74, 1383-1398.	2.0	6

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145	Testing of Ceramics and Glasses by Indentation Techniques. , 2006, , 365-377.		1
146	Design and production of ceramic laminates with high mechanical resistance and reliability. Acta Materialia, 2006, 54, 4929-4937.	3.8	76
147	Tape casting fabrication and co-sintering of solid oxide $\frac{1}{2}$ cells with a cathode electrolyte porous interface. Solid State Ionics, 2006, 177, 2093-2097.	1.3	45
148	Design and production of ceramic laminates with high mechanical reliability. Composites Part B: Engineering, 2006, 37, 481-489.	5.9	37
149	Fabrication and optical assessment of sol-gel-derived photonic bandgap dielectric structures. , 2006, 6182, 454.		5
150	Reduction and Reoxidation Processes of NiO $\cdot$ YSZ Composite for Solid Oxide Fuel Cell Anodes. Journal of Fuel Cell Science and Technology, 2006, 3, 487-491.	0.8	9
151	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
152	Synthesis and Processing of Perovskite Oxides for Solid Oxide Fuel Cells Anode Fabrication. Advances in Science and Technology, 2006, 45, 1864.	0.2	0
153	Procedure for residual stress profile determination by curvature measurements. Mechanics of Materials, 2005, 37, 887-898.	1.7	21
154	Tailored Residual Stresses in High Reliability Alumina-Mullite Ceramic Laminates. Journal of the American Ceramic Society, 2005, 88, 2826-2832.	1.9	71
155	Processing and Thermal Shock Resistance of a Polymer-Derived MoSi <sub>2</sub> /SiCO Ceramic Composite. Journal of the American Ceramic Society, 2005, 88, 3222-3225.	1.9	20
156	Engineered Stress-Profile Silicate Glass: High Strength Material Insensitive to Surface Defects and Fatigue. Advanced Engineering Materials, 2004, 6, 344-349.	1.6	21
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