

Linan An

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200
papers

5,762
citations

44
h-index

66
g-index

206
ext. papers

6,531
ext. citations

4.3
avg, IF

5.77
L-index

#	Paper	IF	Citations
200	Amorphous Silicoboron Carbonitride Ceramic with Very High Viscosity at Temperatures above 1500°C. <i>Journal of the American Ceramic Society</i> , 1998 , 81, 3341-3344	3.8	208
199	A five-component entropy-stabilized fluorite oxide. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4161-4164	6	158
198	Fabrication of SiCN MEMS by photopolymerization of pre-ceramic polymer. <i>Sensors and Actuators A: Physical</i> , 2002 , 95, 120-134	3.9	149
197	Newtonian Viscosity of Amorphous Silicon Carbonitride at High Temperature. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1349-1352	3.8	147
196	Fabrication of layered Ti ₃ C ₂ with an accordion-like structure as a potential cathode material for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7870-7876	13	131
195	Fabrication of SiCN ceramic MEMS using injectable polymer-precursor technique. <i>Sensors and Actuators A: Physical</i> , 2001 , 89, 64-70	3.9	128
194	Synthesis of silicon carbide nanorods by catalyst-assisted pyrolysis of polymeric precursor. <i>Chemical Physics Letters</i> , 2004 , 383, 441-444	2.5	127
193	Highly stable anion exchange membranes based on quaternized polypropylene. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12284-12296	13	113
192	A Silicon Carbonitride Ceramic with Anomalously High Piezoresistivity. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 1346-1349	3.8	109
191	Silicoboron-carbonitride ceramics: A class of high-temperature, dopable electronic materials. <i>Applied Physics Letters</i> , 2001 , 78, 3076-3078	3.4	101
190	Damage-resistant alumina-based layer composites. <i>Journal of Materials Research</i> , 1996 , 11, 204-210	2.5	97
189	Soluble and meltable hyperbranched polyborosilazanes toward high-temperature stable SiBCN ceramics. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6733-44	9.5	96
188	Polymer-derived SiAlCN ceramics resist oxidation at 1400 °C. <i>Scripta Materialia</i> , 2006 , 55, 295-297	5.6	94
187	Oxidation Kinetics of an Amorphous Silicon Carbonitride Ceramic. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1803-1810	3.8	92
186	Improving the tribological characteristics of aluminum 6061 alloy by surface compositing with sub-micro-size ceramic particles via friction stir processing. <i>Wear</i> , 2011 , 271, 1940-1945	3.5	89
185	Oxidation Behavior of a Fully Dense Polymer-Derived Amorphous Silicon Carbonitride Ceramic. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 483-486	3.8	83
184	Fabrication of AA6061/Al ₂ O ₃ nano ceramic particle reinforced composite coating by using friction stir processing. <i>Journal of Materials Science</i> , 2010 , 45, 4431-4438	4.3	77

183	Optical properties of single-crystalline Si_3N_4 nanobelts. <i>Applied Physics Letters</i> , 2005 , 86, 061908	3.4	73
182	Structure and Electronic Transport Properties of Si-(B)-C-N Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 2260-2264	3.8	72
181	Morphology Control in the Vapor-Liquid-Solid Growth of SiC Nanowires. <i>Crystal Growth and Design</i> , 2008 , 8, 3893-3896	3.5	69
180	R-Curve Behavior of In-Situ-Toughened $\text{Al}_2\text{O}_3\text{:CaAl}_2\text{O}_9$ Ceramic Composites. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 3142-3148	3.8	69
179	Ultra-Long Single-Crystalline Si_3N_4 Nanowires: Derived from a Polymeric Precursor. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1647-1650	3.8	68
178	Facilitating Anion Transport in Polyolefin-Based Anion Exchange Membranes via Bulky Side Chains. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23321-30	9.5	66
177	Phase Transformation in Nanometer-Sized γ -Alumina by Mechanical Milling. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 780-783	3.8	65
176	Polymer-Ceramic Conversion of Liquid Polyaluminasilazanes for SiAlCN Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2415-2419	3.8	64
175	Structural Evolution of Polymer-Derived Amorphous SiBCN Ceramics at High Temperature. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24993-25000	3.8	63
174	Oxidation/Corrosion of Polymer-Derived SiAlCN Ceramics in Water Vapor. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1079-1082	3.8	62
173	Magnetoceramics from the bulk pyrolysis of polysilazane cross-linked by polyferrocenylcarbosilanes with hyperbranched topology. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10367-75	9.5	60
172	Silicoaluminum carbonitride ceramic resist to oxidation/corrosion in water vapor. <i>Journal of Materials Research</i> , 2006 , 21, 1625-1628	2.5	60
171	Application of microforging to SiCN MEMS fabrication. <i>Sensors and Actuators A: Physical</i> , 2002 , 95, 143-151	3.1	59
170	Oxidation of Polymer-Derived SiAlCN Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3075-3080	3.8	59
169	Ultraviolet photoluminescence from 3C-SiC nanorods. <i>Applied Physics Letters</i> , 2006 , 89, 143101	3.4	57
168	Electron Transport in Polymer-Derived Amorphous Silicon Oxycarbonitride Ceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1603-1606	3.8	55
167	Effect of Thermal Initiator Concentration on the Electrical Behavior of Polymer-Derived Amorphous Silicon Carbonitrides. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3971-3975	3.8	55
166	Controlled Al-Doped Single-Crystalline 6H-SiC Nanowires. <i>Crystal Growth and Design</i> , 2008 , 8, 1461-1464	3.5	54

165	Mullite whisker reinforced porous anorthite ceramics with low thermal conductivity and high strength. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 761-765	6	52
164	Effect of ceramic nanoparticle reinforcements on the quasistatic and dynamic mechanical properties of magnesium-based metal matrix composites. <i>Journal of Materials Research</i> , 2013 , 28, 1835-1852	2.5	52
163	SiC whisker reinforced ZrO ₂ composites prepared by flash-sintering. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 2051-2055	6	51
162	Controlled functionalization of poly(4-methyl-1-pentene) films for high energy storage applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4797-4807	13	50
161	Temperature sensor made of polymer-derived ceramics for high-temperature applications. <i>Sensors and Actuators A: Physical</i> , 2014 , 219, 58-64	3.9	49
160	Polymer-derived ceramic composite fibers with aligned pristine multiwalled carbon nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1150-6	9.5	49
159	Quantitative study on structural evolutions and associated energetics in polysilazane-derived amorphous silicon carbonitride ceramics. <i>Acta Materialia</i> , 2014 , 72, 22-31	8.4	48
158	Frequency-dependent conductive behavior of polymer-derived amorphous silicon carbonitride. <i>Acta Materialia</i> , 2015 , 89, 215-224	8.4	44
157	Comparison of computed tomographic and standard radiographic determination of tibial torsion in the dog. <i>Veterinary Surgery</i> , 2005 , 34, 457-62	1.7	44
156	Effect of pyrolysis temperature on the electric conductivity of polymer-derived silicoboron carbonitride. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 2163-2167	6	41
155	Synthesis of midblock-quaternized triblock copolystyrenes as highly conductive and alkaline-stable anion-exchange membranes. <i>Polymer Chemistry</i> , 2017 , 8, 2074-2086	4.9	39
154	A Novel Oscillatory Pressure-Assisted Hot Pressing for Preparation of High-Performance Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1012-1015	3.8	39
153	On electric conduction of amorphous silicon carbonitride derived from a polymeric precursor. <i>Applied Physics Letters</i> , 2013 , 102, 231902	3.4	39
152	Wireless passive polymer-derived SiCN ceramic sensor with integrated resonator/antenna. <i>Applied Physics Letters</i> , 2013 , 103, 163505	3.4	39
151	Controlled Al-doped single-crystalline silicon nitride nanowires synthesized via pyrolysis of polymer precursors. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4156-60	3.4	39
150	Superhydrophobic Mats of Polymer-Derived Ceramic Fibers. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2751-2755	3.8	39
149	Evanescent-mode-resonator-based and antenna-integrated wireless passive pressure sensors for harsh-environment applications. <i>Sensors and Actuators A: Physical</i> , 2014 , 220, 22-33	3.9	38
148	Stress-dependent piezoresistivity of tunneling-percolation systems. <i>Journal of Materials Science</i> , 2009 , 44, 2814-2819	4.3	38

147	Effect of Pyrolysis Temperature on the Piezoresistivity of Polymer-Derived Ceramics. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 359-362	3.8	37
146	Ultralight polymer-derived ceramic aerogels with wide bandwidth and effective electromagnetic absorption properties. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 3973-3980	6	36
145	Oxidation Behavior of ZrB ₂ SiC _{0.5} AlC Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 374-378	3.8	35
144	Preferred Orientation of SiC Nanowires Induced by Substrates. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2591-2594	3.8	34
143	Mass production of very thin single-crystal silicon nitride nanobelts. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 211-215	3.3	33
142	Preparation of Al ₂ O ₃ /3Al ₂ O ₃ ·2Cr ₂ O ₃ eutectic ceramic by flash sintering. <i>Scripta Materialia</i> , 2016 , 114, 108-111	5.6	32
141	Aligned ultra-long single-crystalline Si(3)N(4) nanowires. <i>Nanotechnology</i> , 2008 , 19, 105602	3.4	32
140	Phase Transformation of Mechanically Milled Nano-Sized γ -Alumina. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2559-2563	3.8	31
139	Ultrafast synthesis of entropy-stabilized oxide at room temperature. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 2504-2508	6	31
138	Synthesis of Mg/Al ₂ O ₃ nanocomposites by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2013 , 563, 165-170	5.7	30
137	Wireless Passive Temperature Sensors Using Integrated Cylindrical Resonator/Antenna for Harsh-Environment Applications. <i>IEEE Sensors Journal</i> , 2015 , 15, 1453-1462	4	30
136	Growth of platelike and branched single-crystalline Si ₃ N ₄ whiskers. <i>Solid State Communications</i> , 2004 , 132, 263-268	1.6	30
135	Sintering of High-Performance Silicon Nitride Ceramics Under Vibratory Pressure. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 698-701	3.8	29
134	Optical Properties of Heavily Al-Doped Single-Crystal Si ₃ N ₄ Nanobelts. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 1364	3.8	29
133	Formation of Silicon-Doped Boron Nitride Bamboo Structures Via Pyrolysis of a Polymeric Precursor. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 740-742	3.8	29
132	Electrical-field induced nonlinear conductive behavior in dense zirconia ceramic. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 897-900	9.1	28
131	Reversible flash-bonding of zirconia and nickel alloys. <i>Scripta Materialia</i> , 2018 , 153, 31-34	5.6	28
130	Self-assembled carbon/silicon carbonitride nanocomposites: high-performance anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18186		27

129	High-Strength Alumina/Alumina:Calcium-Hexaluminate Layer Composites. <i>Journal of the American Ceramic Society</i> , 1998 , 81, 3321-3324	3.8	27
128	Effect of Pyrolysis Temperature on the Structure and Conduction of Polymer-Derived SiC. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2135-2138	3.8	26
127	Complex Impedance Spectra of Polymer-Derived Silicon Oxycarbides. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1363-1365	3.8	26
126	Ostwald Ripening Growth of Silicon Nitride Nanoplates. <i>Crystal Growth and Design</i> , 2010 , 10, 29-31	3.5	26
125	Acceptor doping effects in (K _{0.5} Na _{0.5})NbO ₃ lead-free piezoelectric ceramics. <i>Ceramics International</i> , 2016 , 42, 2899-2903	5.1	25
124	Synthesis, Characterization, and Optical Properties of Pristine and Doped Yttrium Aluminum Garnet Nanopowders. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 284-286	3.8	25
123	Thermal Expansion of Al Matrix Composites Reinforced with Hybrid Micro-/nano-sized Al ₂ O ₃ Particles. <i>Journal of Materials Science and Technology</i> , 2014 , 30, 61-64	9.1	24
122	Near-Field Electro spray Microprinting of Polymer-Derived Ceramics. <i>Journal of Microelectromechanical Systems</i> , 2013 , 22, 1-3	2.5	24
121	Bundled Silicon Nitride Nanorings. <i>Crystal Growth and Design</i> , 2008 , 8, 3921-3923	3.5	24
120	Giant piezoresistivity in polymer-derived amorphous SiAlCO ceramics. <i>Journal of Materials Science</i> , 2016 , 51, 5646-5650	4.3	24
119	Oxidation behaviour of ZrB ₂ SiC (Al/Y) ceramics at 1700 °C. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 3769-3774	6	24
118	Dry sliding wear behavior of Mg-SiC nanocomposites with high volume fractions of reinforcement. <i>Materials Letters</i> , 2018 , 228, 112-115	3.3	24
117	Characterization of SiCN Ceramic Material Dielectric Properties at High Temperatures for Harsh Environment Sensing Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 960-971	4.1	23
116	Phonon characteristics and photoluminescence of bamboo structured silicon-doped boron nitride multiwall nanotubes. <i>Applied Physics Letters</i> , 2007 , 90, 013115	3.4	23
115	ZrB ₂ SiC(Al) ceramics with high resistance to oxidation at 1500 °C. <i>Corrosion Science</i> , 2013 , 74, 154-158	6.8	22
114	Screening Sintering Aids for (K _{0.5} Na _{0.5})NbO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1698-1701	3.8	21
113	Oscillating pressure sintering of W-Ni-Be refractory alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 805, 789-793	5.7	21
112	Making Bulk Ceramics from Polymeric Precursors. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 3013-3019	3.3	21

111	Quantitative Raman Analysis of Free Carbon in Polymer-Derived Ceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2455-2458	3.8	21
110	Synthesis of Ceramic Nanocomposite Powders with in situ Formation of Nanowires/Nanobelts. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 1312-1315	3.8	21
109	Oxygen diffusion through Al-doped amorphous SiO ₂ . <i>Journal of Phase Equilibria and Diffusion</i> , 2006 , 27, 671-675	1	21
108	Polymer-derived SiAlOC ceramic pressure sensor with potential for high-temperature application. <i>Sensors and Actuators A: Physical</i> , 2017 , 263, 174-178	3.9	20
107	Comparative study of flexural strength test methods on CAD/CAM Y-TZP dental ceramics. <i>International Journal of Energy Production and Management</i> , 2015 , 2, 239-44	5.3	20
106	Making Nanostructured Ceramics from Micrometer-Sized Powders via Grain Refinement During SPS Sintering. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2475-2480	3.8	20
105	SiCNO _x O composites with the negative temperature coefficient of resistance for high-temperature sensor applications. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 592-601	3.8	19
104	Abnormal behavior of silica doped with small amounts of aluminum. <i>Scientific Reports</i> , 2016 , 6, 35556	4.9	19
103	Enhanced electric conductivity of polymer-derived SiCN ceramics by microwave post-treatment. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 842-847	3.8	18
102	Structural evolutions in polymer-derived carbon-rich amorphous silicon carbide. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 552-8	2.8	18
101	Grain refining in spark plasma sintering Al ₂ O ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 596-600	5.7	18
100	Electric conductivity and microstructure evolution of polymer-derived SiAlCO ceramics. <i>Ceramics International</i> , 2016 , 42, 4033-4038	5.1	18
99	Coalescence of nanobranches: a new growth mechanism for single crystal nanobelts. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3969-72	3.4	18
98	Synthesis of Nd/Si Codoped YAG Powders via a Solvothermal Method. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3570-3572	3.8	18
97	Effect of holding time on the microstructure and properties of flash-sintered Y ₂ O ₃ -doped ZrO ₂ . <i>Ceramics International</i> , 2016 , 42, 17442-17446	5.1	18
96	Simultaneous growth of Si ₃ N ₄ nanobelts and nanodendrites by catalyst-assisted crystallization of amorphous SiCN. <i>Journal of Crystal Growth</i> , 2005 , 276, 1-6	1.6	17
95	High performance heterogeneous magnesium-based nanocomposite. <i>Materials Letters</i> , 2015 , 143, 287-289	3.9	16
94	Polygonal Single-Crystal Aluminum Borate Microtubes. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 485-487	3.8	16

93	Fabrication of high-entropy perovskite oxide by reactive flash sintering. <i>Ceramics International</i> , 2020 , 46, 18358-18361	5.1	15
92	Morphology Instability of Silicon Nitride Nanowires. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5902-5905	5.8	14
91	Ultrafast formation of Al ₂ O ₃ /Al ₅ O ₁₂ eutectic ceramic by flash sintering. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 4051-4056	3.8	13
90	Evolution in the Electronic Structure of Polymer-derived Amorphous Silicon Carbide. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2153-2158	3.8	13
89	Synthesis of SiFeC Magnetoceramics from Reverse Polycarbosilane-Based Microemulsions. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 3324-3329	3.8	13
88	Asymmetric Silicon Nitride Nanodendrites. <i>Crystal Growth and Design</i> , 2008 , 8, 2606-2608	3.5	13
87	Effect of acrylic acid additive on electric conductivity of polymer-derived amorphous silicon carbonitride. <i>Ceramics International</i> , 2015 , 41, 7971-7976	5.1	12
86	Effect of oscillatory pressure on the sintering behavior of ZrO ₂ ceramic. <i>Ceramics International</i> , 2020 , 46, 13240-13243	5.1	12
85	Temperature dependent AC electric conduction of polymer-derived SiAlCN ceramics. <i>Ceramics International</i> , 2018 , 44, 8461-8466	5.1	12
84	Effects of soft phase on the mechanical behaviors of hierarchical Mg nanocomposites. <i>Journal of Alloys and Compounds</i> , 2018 , 768, 618-624	5.7	12
83	On electronic structure of polymer-derived amorphous silicon carbide ceramics. <i>Applied Physics Letters</i> , 2014 , 104, 221902	3.4	12
82	Synthesis of Spherical Non-Oxide Silicon Carbonitride Ceramic Particles. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2779-2782	3.8	12
81	Aluminum nanocomposites having wear resistance better than stainless steel. <i>Journal of Materials Research</i> , 2011 , 26, 2479-2483	2.5	12
80	Impedance spectroscopy study on polymer-derived amorphous SiAlCO. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1481-1485	3.8	11
79	The mechanical behavior of hierarchical Mg matrix nanocomposite with high volume fraction reinforcement. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 699, 114-117	5.3	11
78	Densification and grain growth in oscillatory pressure sintering of alumina toughened zirconia ceramic composites. <i>Journal of Alloys and Compounds</i> , 2020 , 845, 155644	5.7	11
77	Oscillatory pressure sintering of Al ₂ O ₃ ceramics. <i>Ceramics International</i> , 2020 , 46, 15670-15673	5.1	11
76	Oscillatory pressure sintering of WC-Fe-Ni cemented carbides. <i>Ceramics International</i> , 2020 , 46, 12727-12731	5.7	11

75	Indentation Fatigue in Random and Textured Alumina Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 178-182	3.8	11
74	High-entropy oxides based on valence combinations: design and practice. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 1953-1958	3.8	11
73	Optical Absorption in Polymer-Derived Amorphous Silicon Oxycarbonitrides. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 3111-3113	3.8	10
72	Non-contact electric field-enhanced abnormal grain growth in (K _{0.5} Na _{0.5})NbO ₃ ceramics. <i>Ceramics International</i> , 2017 , 43, 12343-12347	5.1	9
71	Anomalous piezo-dielectricity of a polymer-derived amorphous silicoaluminum oxycarbide (SiAlCO). <i>Ceramics International</i> , 2018 , 44, 1467-1470	5.1	9
70	Effects of GeO ₂ Addition on Sintering and Properties of (K _{0.5} Na _{0.5})NbO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1681-1686	3.8	9
69	Study on coexistence of brittle and ductile fractures in nano reinforcement composites under different loading conditions. <i>International Journal of Fracture</i> , 2017 , 204, 205-224	2.3	8
68	Coupling Effect of Temperature and Stress on the Electronic Behavior of Amorphous SiAlCO. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1881-1884	3.8	8
67	Magnesium nanocomposites reinforced with a high volume fraction of SiC particulates. <i>International Journal of Materials Research</i> , 2017 , 108, 848-856	0.5	8
66	Synthesis of nanostructured silicon carbide at ultralow temperature using self-assembled polymer micelles as a precursor. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17619		8
65	Structure and Optical Property of Polymer-Derived Amorphous Silicon Oxycarbides Obtained at Different Temperatures. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 3359-3363	3.8	8
64	Alumina platelet reinforced reaction bonded aluminum oxide composites: Textured and random. <i>Journal of Materials Research</i> , 1997 , 12, 3300-3306	2.5	8
63	Effects of Re addition on phase stability and mechanical properties of hexagonal OsB ₂ . <i>Journal of the American Ceramic Society</i> , 2018 , 101, 151-158	3.8	7
62	Fabrication of nano-scaled polymer-derived SiAlCN ceramic components using focused ion beam. <i>Journal of Micromechanics and Microengineering</i> , 2013 , 23, 095035	2	7
61	2012 ,		7
60	Characterization of high-temperature ceramic materials at microwave frequencies for MEMS applications 2009 ,		7
59	Effect of the applied electric field on the microstructure and electrical properties of flash-sintered 3YSZ ceramics. <i>Ceramics International</i> , 2016 , 42, 19066-19070	5.1	7
58	Effect of reinforcement particle size on quasistatic and dynamic mechanical properties of Al-Al ₂ O ₃ composites. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 1367-1371	5.7	6

57	Predicting ductility of Mg/SiCp nanocomposite under multiaxial loading conditions based on unit cell modeling. <i>International Journal of Mechanical Sciences</i> , 2020 , 184, 105831	5.5	6
56	Ceramic nanocomposites reinforced with a high volume fraction of carbon nanofibers. <i>Materials Letters</i> , 2012 , 68, 108-111	3.3	6
55	Electrical conductivity of silicon carbonitride-reduced graphene oxide composites. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 5113-5119	3.8	6
54	Fabrication of Si ₃ N ₄ /SiC nanocomposites toughened by in-situ formed low-dimensional nanostructures. <i>Solid State Sciences</i> , 2010 , 12, 1692-1695	3.4	6
53	High-entropy stoichiometric perovskite oxides based on valence combinations. <i>Ceramics International</i> , 2021 , 47, 24348-24352	5.1	6
52	The competitive nucleation of misfit dislocation dipole and misfit extended dislocation dipole in nanocomposites. <i>Acta Mechanica</i> , 2017 , 228, 2541-2554	2.1	5
51	Synthesis of osmium borides by mechanochemical method. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2419-2428	3.8	5
50	Silicon Carbonitride Hollow Nanospheres from a Block-Copolymer Precursor. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2387-2389	3.8	5
49	Flexible Hydrophobic and Lipophilic Aluminum-Doped Silicon Carbide Fibrous Mats Synthesized by Electrospinning Polyaluminocarbosilane. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 699-705	2	5
48	Synthesis and photoluminescence properties of Eu ³⁺ -doped ZrO ₂ hollow spheres. <i>Journal of Materials Research</i> , 2015 , 30, 3740-3745	2.5	5
47	Formation of Novel Microstructured SiCNO Films from Block Copolymer Micellar-Templating Approaches. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2894-2901	3.8	5
46	Stress analysis of the field-assisted sintering: Electrothermal mechanical interaction. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010 , 32, 125-132	0.4	5
45	High-temperature characterization of SiCN ceramics for wireless passive sensing applications up to 500°C 2011 ,		5
44	Interplay of microstructure and mechanical properties of WC-6Co cemented carbides by hot oscillating pressing method. <i>Ceramics International</i> , 2021 , 47, 20731-20735	5.1	5
43	Development of a Wireless Temperature Sensor Using Polymer-Derived Ceramics. <i>Journal of Sensors</i> , 2016 , 2016, 1-5	2	5
42	Synthesis of Non-oxide Porous Ceramics Using Random Copolymers as Precursors. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 120-124	9.1	4
41	Perfect Single-Crystal Alumina Microspheres. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2732-2735	3.5	4
40	An anion-deficient high-entropy fluorite oxide with very low density. <i>Ceramics International</i> , 2021 , 47, 21207-21207	5.1	4

39	Damage behavior of heterogeneous magnesium matrix nanocomposites. <i>MRS Communications</i> , 2020 , 10, 359-364	2.7	3
38	Template-free synthesis of hierarchically porous SiBCN monolith from organic gel precursors. <i>Ceramics International</i> , 2016 , 42, 12323-12329	5.1	3
37	Effect of Thermal Initiator Concentrations on the Structure and Optical Band Gaps of Polyvinylsilazane-Derived SiOCN Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2015 , 12, 985-990	2	3
36	Hollow Alumina Microsphere Chain Networks. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 280-282	3.8	3
35	Design and investigate the electrical properties of Pb(Mg _{0.2} Zn _{0.2} Nb _{0.2} Ta _{0.2} W _{0.2})O ₃ BbTiO ₃ high-entropy ferroelectric ceramics. <i>Ceramics International</i> , 2022 ,	5.1	3
34	On the electric conduction of ZrO ₂ in the steady stage of flash sintering. <i>Ceramics International</i> , 2020 , 46, 5715-5718	5.1	3
33	In situ formation of Si ₃ N ₄ /SiC nanocomposites through polymer-derived SiAlCN ceramics and spark plasma sintering. <i>Ceramics International</i> , 2021 , 47, 22049-22049	5.1	3
32	Preparation and mechanical properties of SiCw-Al ₂ O ₃ -YAG ceramic composite by hot oscillatory pressing. <i>Ceramics International</i> , 2021 ,	5.1	3
31	Heterogeneous magnesium matrix nanocomposites with high bending strength and fracture toughness. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157359	5.7	3
30	Entropy-stabilized oxides with medium configurational entropy. <i>Ceramics International</i> , 2021 , 47, 9979-9983	5.8	3
29	Ceramic nanocomposites reinforced with a high volume fraction of carbon nanotubes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017 , 32, 47-50	1	2
28	Novel Microstructured SiCNO Films Based on Polyvinylsilazane-Swelled F127 Micelles. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 723-726	3.8	2
27	Photoluminescence properties of Tb ³⁺ -doped stalk-like Al ₂ O ₃ . <i>International Journal of Materials Research</i> , 2016 , 107, 280-282	0.5	2
26	Deformation and failure behavior of heterogeneous Mg/SiC nanocomposite under compression. <i>Journal of Magnesium and Alloys</i> , 2021 ,	8.8	2
25	Sintering behavior and mechanical properties of alumina ceramics exposed to oscillatory pressure at different sintering stages. <i>Ceramics International</i> , 2021 , 47, 23682-23685	5.1	2
24	Ultra-low temperature reactive flash sintering synthesis of high-enthalpy and high-entropy Ca _{0.2} Co _{0.2} Ni _{0.2} Cu _{0.2} Zn _{0.2} O oxide ceramics. <i>Materials Letters</i> , 2021 , 304, 130679	3.3	2
23	Eliminating the negative effect of monoclinic Nb ₂ O ₅ on electrical properties of (K _{0.5} Na _{0.5})NbO ₃ ceramics by two-step sintering. <i>International Journal of Applied Ceramic Technology</i> , 2017 , 14, 987-991	2	1
22	Formation of hierarchical mesoporous silicon carbide from self-assembled block copolymer micelles. <i>Materials Letters</i> , 2017 , 190, 195-197	3.3	1

21	Microstructure and Tribological Behavior of Al ₂ O ₃ Particle Reinforced Al Matrix Composites Fabricated by Spark Plasma Sintering. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019 , 34, 1013-1017	1	1
20	Electrothermal stress in conducting particulate composites. <i>Journal of Materials Science</i> , 2012 , 47, 6226-6236	4.3	1
19	Micro-machinable polymer-derived ceramic sensors for high-temperature applications 2010 ,		1
18	Contact-Damage Behavior of Textured and Random Alumina Ceramics under Hertzian Indentation. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 410-412	3.8	1
17	Fabrication of SiCN MEMS structures using microforged molds		1
16	Facile preparation of ultralight polymer-derived SiOCN ceramic aerogels with hierarchical pore structure. <i>Journal of the American Ceramic Society</i> , 2018 , 102, 2316	3.8	1
15	Formation of eutectic structure in dense Al ₂ O ₃ -YAG composite by electric field treatment. <i>Ceramics International</i> , 2021 , 47, 23647-23652	5.1	1
14	Hot Oscillatory Pressing of Carbon Nanotube-Reinforced Copper Matrix Nanocomposite. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
13	Porous (Ce _{0.2} Zr _{0.2} Ti _{0.2} Sn _{0.2} Ca _{0.2})O ₂ -high-entropy ceramics with both high strength and low thermal conductivity. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 309-309	6	1
12	Hot oscillating pressed FG4096 nickel-based alloy with enhanced ductility and strength. <i>Journal of Alloys and Compounds</i> , 2022 , 894, 162366	5.7	0
11	Sintering process in hot oscillatory pressure of 90W/7Ni/3Fe refractory alloy at different time. <i>Vacuum</i> , 2021 , 195, 110697	3.7	0
10	Strengthening Mechanisms of 15 vol.% Al ₂ O ₃ Nanoparticles Reinforced Aluminum Matrix Nanocomposite Fabricated by High Energy Ball Milling and Vacuum Hot Pressing. <i>Acta Metallurgica Sinica (English Letters)</i> , ¹	2.5	0
9	Creep behavior of zirconia ceramics under a strong DC field. <i>Scripta Materialia</i> , 2022 , 214, 114654	5.6	0
8	Hot oscillatory pressing of B ₄ C ceramics for improving densification and mechanical properties. <i>Journal of the American Ceramic Society</i> ,	3.8	0
7	Flash sintering of ultra-high pure alumina ceramics with fine microstructure. <i>Journal of the American Ceramic Society</i> ,	3.8	0
6	Effect of temperature on internal potential barriers in polymer-derived amorphous ceramics. <i>Ceramics International</i> , 2019 , 45, 13575-13578	5.1	
5	A Facile Route to Construct SiCO Nanospheres with Tunable Sizes. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 670-675	2	
4	Polymer-Derived Si-Al-C-N-O Ceramics for High Temperature Applications 2003 , 607		

3 The Potential of Electronic High Temperature Devices Based Upon Polymer Derived Ceramics **2005**, 231

2 Ca²⁺ doping effects in (K, Na, Li)(Nb_{0.8}Ta_{0.2})O₃ lead-free piezoelectric ceramics. *Frontiers of Materials Science*, **2019**, 13, 431-438 2.5

1 Synthesis and Oxidation Behaviour of Polymer-Derived SI-AL-C-N and SICN Amorphous Ceramics. *Ceramic Engineering and Science Proceedings*, 303-308 0.1