

# Linan An

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Design and investigate the electrical properties of Pb(Mg <sub>0.2</sub> Zn <sub>0.2</sub> Nb <sub>0.2</sub> Ta <sub>0.2</sub> W <sub>0.2</sub> )O <sub>3</sub> PbTiO <sub>3</sub> high-entropy ferroelectric ceramics. <i>Ceramics International</i> , <b>2022</b> ,	5.1	3
199	Hot oscillating pressed FGH4096 nickel-based alloy with enhanced ductility and strength. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 894, 162366	5.7	0
198	Creep behavior of zirconia ceramics under a strong DC field. <i>Scripta Materialia</i> , <b>2022</b> , 214, 114654	5.6	0
197	Sintering process in hot oscillatory pressure of 90W/7Ni/3Fe refractory alloy at different time. <i>Vacuum</i> , <b>2021</b> , 195, 110697	3.7	0
196	In situ formation of Si <sub>3</sub> N <sub>4</sub> /SiC nanocomposites through polymer-derived SiAlCN ceramics and spark plasma sintering. <i>Ceramics International</i> , <b>2021</b> , 47, 22049-22049	5.1	3
195	Preparation and mechanical properties of SiCw-Al <sub>2</sub> O <sub>3</sub> -YAG ceramic composite by hot oscillatory pressing. <i>Ceramics International</i> , <b>2021</b> ,	5.1	3
194	An anion-deficient high-entropy fluorite oxide with very low density. <i>Ceramics International</i> , <b>2021</b> , 47, 21207-21207	5.1	4
193	Deformation and failure behavior of heterogeneous Mg/SiC nanocomposite under compression. <i>Journal of Magnesium and Alloys</i> , <b>2021</b> ,	8.8	2
192	Interplay of microstructure and mechanical properties of WC-6Co cemented carbides by hot oscillating pressing method. <i>Ceramics International</i> , <b>2021</b> , 47, 20731-20735	5.1	5
191	Heterogeneous magnesium matrix nanocomposites with high bending strength and fracture toughness. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 855, 157359	5.7	3
190	Entropy-stabilized oxides with medium configurational entropy. <i>Ceramics International</i> , <b>2021</b> , 47, 9979-9983	5.83	3
189	Sintering behavior and mechanical properties of alumina ceramics exposed to oscillatory pressure at different sintering stages. <i>Ceramics International</i> , <b>2021</b> , 47, 23682-23685	5.1	2
188	Formation of eutectic structure in dense Al <sub>2</sub> O <sub>3</sub> -YAG composite by electric field treatment. <i>Ceramics International</i> , <b>2021</b> , 47, 23647-23652	5.1	1
187	Hot Oscillatory Pressing of Carbon Nanotube-Reinforced Copper Matrix Nanocomposite. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
186	Porous (Ce <sub>0.2</sub> Zr <sub>0.2</sub> Ti <sub>0.2</sub> Sn <sub>0.2</sub> Ca <sub>0.2</sub> )O <sub>2</sub> -high-entropy ceramics with both high strength and low thermal conductivity. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 309-309	6	1
185	High-entropy stoichiometric perovskite oxides based on valence combinations. <i>Ceramics International</i> , <b>2021</b> , 47, 24348-24352	5.1	6
184	Ultra-low temperature reactive flash sintering synthesis of high-enthalpy and high-entropy Ca <sub>0.2</sub> Co <sub>0.2</sub> Ni <sub>0.2</sub> Cu <sub>0.2</sub> Zn <sub>0.2</sub> O oxide ceramics. <i>Materials Letters</i> , <b>2021</b> , 304, 130679	3.3	2

183	High-entropy oxides based on valence combinations: design and practice. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 1953-1958	3.8	11
182	Damage behavior of heterogeneous magnesium matrix nanocomposites. <i>MRS Communications</i> , <b>2020</b> , 10, 359-364	2.7	3
181	Predicting ductility of Mg/SiCp nanocomposite under multiaxial loading conditions based on unit cell modeling. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 184, 105831	5.5	6
180	Densification and grain growth in oscillatory pressure sintering of alumina toughened zirconia ceramic composites. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 845, 155644	5.7	11
179	Oscillatory pressure sintering of Al <sub>2</sub> O <sub>3</sub> ceramics. <i>Ceramics International</i> , <b>2020</b> , 46, 15670-15673	5.1	11
178	Ultrafast formation of Al <sub>2</sub> O <sub>3</sub> /Al <sub>5</sub> O <sub>12</sub> eutectic ceramic by flash sintering. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 4051-4056	3.8	13
177	Effect of oscillatory pressure on the sintering behavior of ZrO <sub>2</sub> ceramic. <i>Ceramics International</i> , <b>2020</b> , 46, 13240-13243	5.1	12
176	Oscillatory pressure sintering of WC-Fe-Ni cemented carbides. <i>Ceramics International</i> , <b>2020</b> , 46, 12727-12731	5.1	11
175	On the electric conduction of ZrO <sub>2</sub> in the steady stage of flash sintering. <i>Ceramics International</i> , <b>2020</b> , 46, 5715-5718	5.1	3
174	Ultrafast synthesis of entropy-stabilized oxide at room temperature. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 2504-2508	6	31
173	Fabrication of high-entropy perovskite oxide by reactive flash sintering. <i>Ceramics International</i> , <b>2020</b> , 46, 18358-18361	5.1	15
172	Effect of reinforcement particle size on quasistatic and dynamic mechanical properties of Al-Al <sub>2</sub> O <sub>3</sub> composites. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 797, 1367-1371	5.7	6
171	Effect of temperature on internal potential barriers in polymer-derived amorphous ceramics. <i>Ceramics International</i> , <b>2019</b> , 45, 13575-13578	5.1	
170	Oscillating pressure sintering of W-Ni-Be refractory alloy. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 805, 789-793	5.7	21
169	Microstructure and Tribological Behavior of Al <sub>2</sub> O <sub>3</sub> Particle Reinforced Al Matrix Composites Fabricated by Spark Plasma Sintering. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2019</b> , 34, 1013-1017	1	1
168	Ca <sup>2+</sup> doping effects in (K, Na, Li)(Nb <sub>0.8</sub> Ta <sub>0.2</sub> )O <sub>3</sub> lead-free piezoelectric ceramics. <i>Frontiers of Materials Science</i> , <b>2019</b> , 13, 431-438	2.5	
167	Temperature dependent AC electric conduction of polymer-derived SiAlCN ceramics. <i>Ceramics International</i> , <b>2018</b> , 44, 8461-8466	5.1	12
166	A five-component entropy-stabilized fluorite oxide. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4161-4164	6	158

165	Effects of Re addition on phase stability and mechanical properties of hexagonal OsB <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 151-158	3.8	7
164	Anomalous piezo-dielectricity of a polymer-derived amorphous silicoaluminum oxycarbide (SiAlCO). <i>Ceramics International</i> , <b>2018</b> , 44, 1467-1470	5.1	9
163	Effects of soft phase on the mechanical behaviors of hierarchical Mg nanocomposites. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 768, 618-624	5.7	12
162	Facile preparation of ultralight polymer-derived SiOCN ceramic aerogels with hierarchical pore structure. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 102, 2316	3.8	1
161	Dry sliding wear behavior of Mg-SiC nanocomposites with high volume fractions of reinforcement. <i>Materials Letters</i> , <b>2018</b> , 228, 112-115	3.3	24
160	Reversible flash-bonding of zirconia and nickel alloys. <i>Scripta Materialia</i> , <b>2018</b> , 153, 31-34	5.6	28
159	Ceramic nanocomposites reinforced with a high volume fraction of carbon nanotubes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2017</b> , 32, 47-50	1	2
158	Electrical-field induced nonlinear conductive behavior in dense zirconia ceramic. <i>Journal of Materials Science and Technology</i> , <b>2017</b> , 33, 897-900	9.1	28
157	Impedance spectroscopy study on polymer-derived amorphous SiAlCO. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 1481-1485	3.8	11
156	The competitive nucleation of misfit dislocation dipole and misfit extended dislocation dipole in nanocomposites. <i>Acta Mechanica</i> , <b>2017</b> , 228, 2541-2554	2.1	5
155	Ultralight polymer-derived ceramic aerogels with wide bandwidth and effective electromagnetic absorption properties. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 3973-3980	6	36
154	Non-contact electric field-enhanced abnormal grain growth in (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> ceramics. <i>Ceramics International</i> , <b>2017</b> , 43, 12343-12347	5.1	9
153	The mechanical behavior of hierarchical Mg matrix nanocomposite with high volume fraction reinforcement. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 699, 114-117	5.3	11
152	Synthesis of osmium borides by mechanochemical method. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2419-2428	3.8	5
151	Eliminating the negative effect of monoclinic Nb <sub>2</sub> O <sub>5</sub> on electrical properties of (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> ceramics by two-step sintering. <i>International Journal of Applied Ceramic Technology</i> , <b>2017</b> , 14, 987-991	2	1
150	Polymer-derived SiAlOC ceramic pressure sensor with potential for high-temperature application. <i>Sensors and Actuators A: Physical</i> , <b>2017</b> , 263, 174-178	3.9	20
149	Synthesis of midblock-quaternized triblock copolystyrenes as highly conductive and alkaline-stable anion-exchange membranes. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 2074-2086	4.9	39
148	Study on coexistence of brittle and ductile fractures in nano reinforcement composites under different loading conditions. <i>International Journal of Fracture</i> , <b>2017</b> , 204, 205-224	2.3	8

147	Enhanced electric conductivity of polymer-derived SiCN ceramics by microwave post-treatment. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 842-847	3.8	18
146	Formation of hierarchical mesoporous silicon carbide from self-assembled block copolymer micelles. <i>Materials Letters</i> , <b>2017</b> , 190, 195-197	3.3	1
145	Electrical conductivity of silicon carbonitride-reduced graphene oxide composites. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 5113-5119	3.8	6
144	Magnesium nanocomposites reinforced with a high volume fraction of SiC particulates. <i>International Journal of Materials Research</i> , <b>2017</b> , 108, 848-856	0.5	8
143	SiCN <sub>0.5</sub> O composites with the negative temperature coefficient of resistance for high-temperature sensor applications. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 592-601	3.8	19
142	Facilitating Anion Transport in Polyolefin-Based Anion Exchange Membranes via Bulky Side Chains. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23321-30	9.5	66
141	Template-free synthesis of hierarchically porous SiBCN monolith from organic gel precursors. <i>Ceramics International</i> , <b>2016</b> , 42, 12323-12329	5.1	3
140	Novel Microstructured SiCN Films Based on Polyvinylsilazane-Swelled F127 Micelles. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 723-726	3.8	2
139	Coupling Effect of Temperature and Stress on the Electronic Behavior of Amorphous SiAlCO. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1881-1884	3.8	8
138	Photoluminescence properties of Tb <sup>3+</sup> -doped stalk-like Al <sub>2</sub> O <sub>3</sub> . <i>International Journal of Materials Research</i> , <b>2016</b> , 107, 280-282	0.5	2
137	Preparation of Al <sub>2</sub> O <sub>3</sub> /3Al <sub>5</sub> O <sub>12</sub> /rO <sub>2</sub> eutectic ceramic by flash sintering. <i>Scripta Materialia</i> , <b>2016</b> , 114, 108-111	5.6	32
136	Electric conductivity and microstructure evolution of polymer-derived SiAlCO ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 4033-4038	5.1	18
135	SiC whisker reinforced ZrO <sub>2</sub> composites prepared by flash-sintering. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 2051-2055	6	51
134	Controlled functionalization of poly(4-methyl-1-pentene) films for high energy storage applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4797-4807	13	50
133	Mullite whisker reinforced porous anorthite ceramics with low thermal conductivity and high strength. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 761-765	6	52
132	Acceptor doping effects in (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> lead-free piezoelectric ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 2899-2903	5.1	25
131	Development of a Wireless Temperature Sensor Using Polymer-Derived Ceramics. <i>Journal of Sensors</i> , <b>2016</b> , 2016, 1-5	2	5
130	Effects of GeO <sub>2</sub> Addition on Sintering and Properties of (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1681-1686	3.8	9

129	Abnormal behavior of silica doped with small amounts of aluminum. <i>Scientific Reports</i> , <b>2016</b> , 6, 35556	4.9	19
128	Giant piezoresistivity in polymer-derived amorphous SiAlCO ceramics. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 5646-5650	4.3	24
127	Oxidation behaviour of ZrB <sub>2</sub> SiC (Al/Y) ceramics at 1700 °C. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 3769-3774	6	24
126	Effect of the applied electric field on the microstructure and electrical properties of flash-sintered 3YSZ ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 19066-19070	5.1	7
125	Effect of holding time on the microstructure and properties of flash-sintered Y <sub>2</sub> O <sub>3</sub> -doped ZrO <sub>2</sub> . <i>Ceramics International</i> , <b>2016</b> , 42, 17442-17446	5.1	18
124	High performance heterogeneous magnesium-based nanocomposite. <i>Materials Letters</i> , <b>2015</b> , 143, 287-289	3.9	16
123	Fabrication of layered Ti <sub>3</sub> C <sub>2</sub> with an accordion-like structure as a potential cathode material for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 7870-7876	13	131
122	Soluble and meltable hyperbranched polyborosilazanes toward high-temperature stable SiBCN ceramics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 6733-44	9.5	96
121	Effect of acrylic acid additive on electric conductivity of polymer-derived amorphous silicon carbonitride. <i>Ceramics International</i> , <b>2015</b> , 41, 7971-7976	5.1	12
120	Highly stable anion exchange membranes based on quaternized polypropylene. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12284-12296	13	113
119	Screening Sintering Aids for (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 1698-1701	3.8	21
118	Structural evolutions in polymer-derived carbon-rich amorphous silicon carbide. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 552-8	2.8	18
117	Grain refining in spark plasma sintering Al <sub>2</sub> O <sub>3</sub> ceramics. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 596-600	5.7	18
116	Synthesis of Non-oxide Porous Ceramics Using Random Copolymers as Precursors. <i>Journal of Materials Science and Technology</i> , <b>2015</b> , 31, 120-124	9.1	4
115	Synthesis and photoluminescence properties of Eu <sup>3+</sup> -doped ZrO <sub>2</sub> hollow spheres. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 3740-3745	2.5	5
114	Formation of Novel Microstructured SiCNO Films from Block Copolymer Micellar-Templating Approaches. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2894-2901	3.8	5
113	Evolution in the Electronic Structure of Polymer-derived Amorphous Silicon Carbide. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2153-2158	3.8	13
112	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> , <b>2015</b> , 12, 985-990	2	3

111	Frequency-dependent conductive behavior of polymer-derived amorphous silicon carbonitride. <i>Acta Materialia</i> , <b>2015</b> , 89, 215-224	8.4	44
110	Comparative study of flexural strength test methods on CAD/CAM Y-TZP dental ceramics. <i>International Journal of Energy Production and Management</i> , <b>2015</b> , 2, 239-44	5.3	20
109	Sintering of High-Performance Silicon Nitride Ceramics Under Vibratory Pressure. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 698-701	3.8	29
108	Wireless Passive Temperature Sensors Using Integrated Cylindrical Resonator/Antenna for Harsh-Environment Applications. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 1453-1462	4	30
107	A Novel Oscillatory Pressure-Assisted Hot Pressing for Preparation of High-Performance Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1012-1015	3.8	39
106	Thermal Expansion of Al Matrix Composites Reinforced with Hybrid Micro-/nano-sized Al <sub>2</sub> O <sub>3</sub> Particles. <i>Journal of Materials Science and Technology</i> , <b>2014</b> , 30, 61-64	9.1	24
105	Temperature sensor made of polymer-derived ceramics for high-temperature applications. <i>Sensors and Actuators A: Physical</i> , <b>2014</b> , 219, 58-64	3.9	49
104	On electronic structure of polymer-derived amorphous silicon carbide ceramics. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 221902	3.4	12
103	Silicon Carbonitride Hollow Nanospheres from a Block-Copolymer Precursor. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2387-2389	3.8	5
102	Effect of Pyrolysis Temperature on the Structure and Conduction of Polymer-Derived SiC. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2135-2138	3.8	26
101	Evanescent-mode-resonator-based and antenna-integrated wireless passive pressure sensors for harsh-environment applications. <i>Sensors and Actuators A: Physical</i> , <b>2014</b> , 220, 22-33	3.9	38
100	Effect of pyrolysis temperature on the electric conductivity of polymer-derived silicoboron carbonitride. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 2163-2167	6	41
99	Quantitative study on structural evolutions and associated energetics in polysilazane-derived amorphous silicon carbonitride ceramics. <i>Acta Materialia</i> , <b>2014</b> , 72, 22-31	8.4	48
98	Flexible Hydrophobic and Lipophilic Aluminum-Doped Silicon Carbide Fibrous Mats Synthesized by Electrospinning Polyaluminocarbosilane. <i>International Journal of Applied Ceramic Technology</i> , <b>2014</b> , 11, 699-705	2	5
97	A Facile Route to Construct SiCO Nanospheres with Tunable Sizes. <i>International Journal of Applied Ceramic Technology</i> , <b>2014</b> , 11, 670-675	2	
96	Magnetoceramics from the bulk pyrolysis of polysilazane cross-linked by polyferrocenylcarbosilanes with hyperbranched topology. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 10367-75	9.5	60
95	Near-Field Electro Spray Microprinting of Polymer-Derived Ceramics. <i>Journal of Microelectromechanical Systems</i> , <b>2013</b> , 22, 1-3	2.5	24
94	Characterization of SiCN Ceramic Material Dielectric Properties at High Temperatures for Harsh Environment Sensing Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 960-971	4.1	23

93	Synthesis of MgAl <sub>2</sub> O <sub>3</sub> nanocomposites by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 563, 165-170	5.7	30
92	ZrB <sub>2</sub> SiC(Al) ceramics with high resistance to oxidation at 1500 °C. <i>Corrosion Science</i> , <b>2013</b> , 74, 154-158	6.8	22
91	Complex Impedance Spectra of Polymer-Derived Silicon Oxycarbides. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1363-1365	3.8	26
90	On electric conduction of amorphous silicon carbonitride derived from a polymeric precursor. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 231902	3.4	39
89	Fabrication of nano-scaled polymer-derived SiAlCN ceramic components using focused ion beam. <i>Journal of Micromechanics and Microengineering</i> , <b>2013</b> , 23, 095035	2	7
88	Wireless passive polymer-derived SiCN ceramic sensor with integrated resonator/antenna. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 163505	3.4	39
87	Effect of ceramic nanoparticle reinforcements on the quasistatic and dynamic mechanical properties of magnesium-based metal matrix composites. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 1835-1852	2.5	52
86	Ceramic nanocomposites reinforced with a high volume fraction of carbon nanofibers. <i>Materials Letters</i> , <b>2012</b> , 68, 108-111	3.3	6
85	Electrothermal stress in conducting particulate composites. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 6226-6236	4.3	1
84	Oxidation Behavior of ZrB <sub>2</sub> SiC <sub>0.5</sub> AlC Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 374-378	3.8	35
83	<b>2012</b> ,		7
82	Synthesis of nanostructured silicon carbide at ultralow temperature using self-assembled polymer micelles as a precursor. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17619		8
81	Effect of Pyrolysis Temperature on the Piezoresistivity of Polymer-Derived Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 359-362	3.8	37
80	Structure and Optical Property of Polymer-Derived Amorphous Silicon Oxycarbides Obtained at Different Temperatures. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 3359-3363	3.8	8
79	Synthesis of Spherical Non-Oxide Silicon Carbonitride Ceramic Particles. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 2779-2782	3.8	12
78	Improving the tribological characteristics of aluminum 6061 alloy by surface compositing with sub-micro-size ceramic particles via friction stir processing. <i>Wear</i> , <b>2011</b> , 271, 1940-1945	3.5	89
77	Structural Evolution of Polymer-Derived Amorphous SiBCN Ceramics at High Temperature. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 24993-25000	3.8	63
76	Self-assembled carbon/silicon carbonitride nanocomposites: high-performance anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18186		27

75	High-temperature characterization of SiCN ceramics for wireless passive sensing applications up to 500°C <b>2011</b> ,		5
74	Aluminum nanocomposites having wear resistance better than stainless steel. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 2479-2483	2.5	12
73	Optical Properties of Heavily Al-Doped Single-Crystal Si <sub>3</sub> N <sub>4</sub> Nanobelts. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1364	3.8	29
72	Synthesis of SiFeC Magnetoceramics from Reverse Polycarbosilane-Based Microemulsions. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3324-3329	3.8	13
71	Making Bulk Ceramics from Polymeric Precursors. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3017-3019	3.8	21
70	Stress analysis of the field-assisted sintering: Electrothermal mechanical interaction. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2010</b> , 32, 125-132	0.4	5
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