

Wei Pan

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157
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163
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ext. citations

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L-index

#	Paper	IF	Citations
157	Enhanced Photocatalysis of Electrospun Ag ₂ SnO Heterostructured Nanofibers. <i>Chemistry of Materials</i> , 2009 , 21, 3479-3484	9.6	478
156	High thermoelectric performance of oxyselenides: intrinsically low thermal conductivity of Ca-doped BiCuSeO. <i>NPG Asia Materials</i> , 2013 , 5, e47-e47	10.3	286
155	Electrospinning of Fe, Co, and Ni Nanofibers: Synthesis, Assembly, and Magnetic Properties. <i>Chemistry of Materials</i> , 2007 , 19, 3506-3511	9.6	266
154	Electronic structure, mechanical properties and thermal conductivity of Ln ₂ Zr ₂ O ₇ (Ln=La, Pr, Nd, Sm, Eu and Gd) pyrochlore. <i>Acta Materialia</i> , 2011 , 59, 1742-1760	8.4	239
153	Low thermal conductivity oxides. <i>MRS Bulletin</i> , 2012 , 37, 917-922	3.2	222
152	Effect of point defects on the thermal transport properties of (LaxGd _{1-x}) ₂ Zr ₂ O ₇ : Experiment and theoretical model. <i>Physical Review B</i> , 2006 , 74,	3.3	197
151	Electrospinning of ceramic nanofibers: Fabrication, assembly and applications. <i>Journal of Advanced Ceramics</i> , 2012 , 1, 2-23	10.7	193
150	Anisotropic elastic and thermal properties of the double perovskite slab/block salt layer Ln ₂ SrAl ₂ O ₇ (Ln=La, Nd, Sm, Eu, Gd or Dy) natural superlattice structure. <i>Acta Materialia</i> , 2012 , 60, 3380-3392	8.4	191
149	GaN Nanofibers based on Electrospinning: Facile Synthesis, Controlled Assembly, Precise Doping, and Application as High Performance UV Photodetector. <i>Advanced Materials</i> , 2009 , 21, 227-231	24	154
148	Defect engineering in development of low thermal conductivity materials: A review. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 1-13	6	139
147	Influence of B site substituent Ti on the structure and thermophysical properties of A ₂ B ₂ O ₇ -type pyrochlore Gd ₂ Zr ₂ O ₇ . <i>Acta Materialia</i> , 2009 , 57, 4782-4789	8.4	138
146	Biomimetic nanofiber patterns with controlled wettability. <i>Soft Matter</i> , 2008 , 4, 2429	3.6	133
145	Photoswitches and Memories Assembled by Electrospinning Aluminum-Doped Zinc Oxide Single Nanowires. <i>Advanced Materials</i> , 2007 , 19, 3968-3972	24	130
144	Preparation of Zinc Oxide Nanofibers by Electrospinning. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 699-701	3.8	119
143	Fabrication and Evaluation of Porous Piezoelectric Ceramics and Porosity-Graded Piezoelectric Actuators. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1094-1098	3.8	118
142	Fabrication, assembly, and electrical characterization of CuO nanofibers. <i>Applied Physics Letters</i> , 2006 , 89, 133125	3.4	111
141	Enhanced UV photoresponse from heterostructured Ag ₂ SnO nanowires. <i>Applied Physics Letters</i> , 2009 , 94, 172103	3.4	101

140	Mechanical properties of high-temperature-degraded yttria-stabilized zirconia. <i>Acta Materialia</i> , 2014 , 69, 397-406	8.4	98
139	Thermal Conductivity of Monazite-Type REPO ₄ (RE=La, Ce, Nd, Sm, Eu, Gd). <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2687-2692	3.8	98
138	ZnO Nanofiber Field-Effect Transistor Assembled by Electrospinning. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 656-659	3.8	89
137	Thermophysical properties of rare-earth stannates: Effect of pyrochlore structure. <i>Acta Materialia</i> , 2012 , 60, 2939-2949	8.4	76
136	Ultralow thermal conductivity in highly anion-defective aluminates. <i>Physical Review Letters</i> , 2008 , 101, 085901	7.4	75
135	Rare-Earth Zirconate Ceramics with Fluorite Structure for Thermal Barrier Coatings. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 340-342	3.8	72
134	OrderDisorder Transition and Unconventional Thermal Conductivities of the (Sm _{1-x} Y _x) ₂ Zr ₂ O ₇ Series. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 592-596	3.8	64
133	Thermal conductivity of ytterbia-stabilized zirconia. <i>Scripta Materialia</i> , 2012 , 66, 41-44	5.6	62
132	Enhanced Photocatalytic Activity of Electrospun TiO ₂ Nanofibers with Optimal Anatase/Rutile Ratio. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 3184-3187	3.8	56
131	Effect of lattice defects on thermal conductivity of Ti-doped, Y ₂ O ₃ -stabilized ZrO ₂ . <i>Acta Materialia</i> , 2013 , 61, 5496-5503	8.4	55
130	Facile Synthesis of Heterostructured ZnO/nS Nanocables and Enhanced Photocatalytic Activity. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 3384-3389	3.8	54
129	CitricNitrate Combustion Synthesis and Electrical Conductivity of the Sm ³⁺ and Nd ³⁺ Co-Doped Ceria Electrolyte. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3926-3930	3.8	54
128	2D Metals by Repeated Size Reduction. <i>Advanced Materials</i> , 2016 , 28, 8170-8176	24	53
127	Ceria (Sm ³⁺ , Nd ³⁺)/carbonates composite electrolytes with high electrical conductivity at low temperature. <i>Composites Science and Technology</i> , 2010 , 70, 181-185	8.6	52
126	Enhanced conductivity and gating effect of p-type Li-doped NiO nanowires. <i>Nanoscale</i> , 2014 , 6, 688-92	7.7	51
125	An extremely low thermal conduction ceramic: RE _{9.33} (SiO ₄) ₆ O ₂ silicate oxyapatite. <i>Acta Materialia</i> , 2012 , 60, 5536-5544	8.4	51
124	Electrical properties of ceria Co-doped with Sm ³⁺ and Nd ³⁺ . <i>Journal of Power Sources</i> , 2010 , 195, 969-976	7.9	50
123	Mechanical and thermal properties of fine-grained quasi-eutectoid (La _{1-x} Y _x) ₂ Zr ₂ O ₇ ceramics. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 3145-3154	6	49

122	Preparation and electrical properties of electrospun tin-doped indium oxide nanowires. <i>Nanotechnology</i> , 2007 , 18, 465301	3.4	48
121	Synthesis and electrical properties of apatite-type La ₁₀ Si ₆ O ₂₇ . <i>Journal of Power Sources</i> , 2010 , 195, 2196-2201	8.9	47
120	Synergistic effect of N-decorated and Mn(2+) doped ZnO nanofibers with enhanced photocatalytic activity. <i>Scientific Reports</i> , 2016 , 6, 32711	4.9	46
119	Enhanced photocatalytic activity in electrospun bismuth vanadate nanofibers with phase junction. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9638-44	9.5	45
118	Diameter-Dependent Photocatalytic Activity of Electrospun TiO ₂ Nanofiber. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2503-2506	3.8	45
117	Facile Synthesis and Assembly of Ag/NiO Nanofibers with High Electrical Conductivity. <i>Chemistry of Materials</i> , 2007 , 19, 1895-1897	9.6	44
116	High T _c in Electrospun BaTiO ₃ Nanofibers. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2162-2164	3.8	43
115	High Transparency Nd: Y ₂ O ₃ Ceramics Prepared with La ₂ O ₃ and ZrO ₂ Additives. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 824-828	3.8	42
114	A flexible and transparent ceramic nanobelt network for soft electronics. <i>NPG Asia Materials</i> , 2014 , 6, e86-e86	10.3	41
113	Thermal conductivity of rare earth zirconate pyrochlore from first principles. <i>Scripta Materialia</i> , 2013 , 68, 727-730	5.6	41
112	Preparation of Necklace-Structured TiO ₂ /SnO ₂ Hybrid Nanofibers and Their Photocatalytic Activity. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2463-2466	3.8	41
111	Morphological Control of Centimeter Long Aluminum-Doped Zinc Oxide Nanofibers Prepared by Electrospinning. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 71-76	3.8	41
110	Thermo-mechanical properties of ThO ₂ -doped Y ₂ O ₃ stabilized ZrO ₂ for thermal barrier coatings. <i>Ceramics International</i> , 2016 , 42, 501-508	5.1	39
109	Mechanical properties of rare earth stannate pyrochlores. <i>Applied Physics Letters</i> , 2011 , 99, 201909	3.4	39
108	A promising material for thermal barrier coating: Pyrochlore-related compound Sm ₂ FeTaO ₇ . <i>Scripta Materialia</i> , 2018 , 149, 49-52	5.6	37
107	Photocatalytic and Magnetic Properties of the Fe-TiO ₂ /SnO ₂ Nanofiber Via Electrospinning. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 605-608	3.8	37
106	High conductivity of La ₂ Zr ₂ O ₇ nanofibers by phase control. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1855-1861	13	34
105	Buckled Tin Oxide Nanobelt Webs as Highly Stretchable and Transparent Photosensors. <i>Small</i> , 2015 , 11, 5712-8	11	34

104	Structural and Thermo-Mechanical Properties of Nd: Y2O3 Transparent Ceramics. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3326-3331	3.8	34
103	TiN Nanofibers: A New Material with High Conductivity and Transmittance for Transparent Conductive Electrodes. <i>Advanced Functional Materials</i> , 2013 , 23, 209-214	15.6	34
102	Effect of Composition on Properties of Alumina/Titanium Silicon Carbide Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 3099-3101	3.8	33
101	Microstructure and tribological behavior of TiAlSiN coatings deposited by deep oscillation magnetron sputtering. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5166-5176	3.8	33
100	Suppressed phase transition and giant ionic conductivity in La2Mo2O9 nanowires. <i>Nature Communications</i> , 2015 , 6, 8354	17.4	32
99	Calculation of the thermal conductivity of L2SrAl2O7 (L= La, Nd, Sm, Eu, Gd, Dy). <i>Physical Review B</i> , 2011 , 84,	3.3	32
98	SiOx Nanodandelion by Laser Ablation for Anode of Lithium-Ion Battery. <i>Small</i> , 2015 , 11, 6009-12	11	31
97	Enhanced visible-light-driven photocatalysis of surface nitrided electrospun TiO2 nanofibers. <i>Nanoscale</i> , 2012 , 4, 801-6	7.7	30
96	Reactive ion etching of PbZr1-xTixO3 and RuO2 films by environmentally safe gases. <i>Journal of Materials Research</i> , 1994 , 9, 2976-2980	2.5	30
95	Thermal expansions of Ln2Zr2O7 (Ln = La, Nd, Sm, and Gd) pyrochlore. <i>Journal of Applied Physics</i> , 2012 , 111, 103535	2.5	28
94	Electrical properties of Mg-doped Gd0.1Ce0.9O1.95 under different sintering conditions. <i>Journal of Power Sources</i> , 2008 , 183, 498-505	8.9	28
93	Filling the Gaps between Graphene Oxide: A General Strategy toward Nanolayered Oxides. <i>Advanced Functional Materials</i> , 2015 , 25, 5683-5690	15.6	27
92	Titanium metallization of alumina ceramics by molten salt reaction. <i>Applied Surface Science</i> , 2008 , 254, 4584-4590	6.7	27
91	Ultrasensitive visible light photoresponse and electrical transportation properties of nonstoichiometric indium oxide nanowire arrays by electrospinning. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6463	7.1	26
90	High performance alumina based graphene nanocomposites with novel electrical and dielectric properties. <i>RSC Advances</i> , 2015 , 5, 33607-33614	3.7	25
89	Effect of Lattice Distortion and Disorder on the Mechanical Properties of Titania-Doped Yttria-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1566-1571	3.8	25
88	Sol-gel synthesis and ionic conductivity of oxyapatite-type La9.33+xSi6O26+1.5x. <i>Journal of Power Sources</i> , 2013 , 235, 62-66	8.9	25
87	Glass fiber fabric mat as the separator for lithium-ion battery with high safety performance. <i>Ionics</i> , 2015 , 21, 3135-3139	2.7	25

86	Thermal conductivity and mechanical properties of YSZ/LaPO ₄ composites. <i>Journal of Materials Science</i> , 2014 , 49, 2243-2251	4.3	24
85	A high-performance TiO ₂ nanowire UV detector assembled by electrospinning. <i>RSC Advances</i> , 2017 , 7, 26220-26225	3.7	23
84	Stretchable Platinum Network-Based Transparent Electrodes for Highly Sensitive Wearable Electronics. <i>Small</i> , 2017 , 13, 1604291	11	23
83	Diffused Lattice Vibration and Ultralow Thermal Conductivity in the Binary Ln-Nb-O Oxide System. <i>Advanced Materials</i> , 2019 , 31, e1808222	24	23
82	Embedding two-dimensional graphene array in ceramic matrix. <i>Science Advances</i> , 2020 , 6,	14.3	22
81	Restrained TGO growth in YSZ/NiCrAlY thermal barrier coatings by modified laser remelting. <i>Surface and Coatings Technology</i> , 2017 , 309, 1119-1125	4.4	21
80	A stable and highly efficient visible-light photocatalyst of TiO ₂ and heterogeneous carbon core-shell nanofibers. <i>RSC Advances</i> , 2017 , 7, 15330-15336	3.7	21
79	Facile assembly of n-SnO(2) nanobelts-p-NiO heterojunctions with enhanced ultraviolet photoresponse. <i>Chemical Communications</i> , 2014 , 50, 2847-50	5.8	21
78	Surface defects decorated zinc doped gallium oxynitride nanowires with high photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 53-61	21.8	20
77	Preparation of heterostructured Ag/BaTiO ₃ nanofibers via electrospinning. <i>Journal of Alloys and Compounds</i> , 2010 , 508, 536-539	5.7	19
76	Reactive ion etching of ferroelectric SrBi ₂ TaxNb _{2-3x} O ₉ thin films. <i>Applied Physics Letters</i> , 1996 , 68, 566-568	3.4	19
75	Integration of Si in a metal foam current collector for stable electrochemical cycling in Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10114-10118	13	18
74	Highly enhanced ultraviolet photosensitivity and recovery speed in electrospun Ni-doped SnO ₂ nanobelts. <i>Applied Physics Letters</i> , 2013 , 103, 141108	3.4	18
73	Ferromagnetism in Electrospun Co-doped SrTiO ₃ Nanofibers. <i>Journal of Materials Science</i> , 2012 , 47, 8216-8222	4.5	18
72	Oriented Nanofibers by a Newly Modified Electrospinning Method. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 632-634	3.8	18
71	Low Thermal Conductivity of Rare-Earth Zirconate-Stannate Solid Solutions (Yb ₂ Zr ₂ O ₇) _{1-x} (Ln ₂ Sn ₂ O ₇) _x (Ln = Nd, Sm). <i>Journal of the American Ceramic Society</i> , 2016 , 99, 293-299	3.8	18
70	Visible photoluminescence from amorphous barium titanate nanofibers. <i>Journal of Alloys and Compounds</i> , 2013 , 551, 131-135	5.7	17
69	Electrical behavior of electrospun heterostructured Ag ₂ ZnO nanofibers. <i>Applied Physics Letters</i> , 2009 , 95, 112104	3.4	17

68	Reinforcement of Hydroxyapatite Bioceramic by Addition of Ti ₃ SiC ₂ . <i>Journal of the American Ceramic Society</i> , 2006 , 89, 743-745	3.8	17
67	Machinable Ti ₃ SiC ₂ /Hydroxyapatite Bioceramic Composites by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3331-3333	3.8	16
66	Preparation of ZnS Nanofibers Via Electrospinning. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3664-3666	3.8	16
65	Stabilizing Nanocrystalline Oxide Nanofibers at Elevated Temperatures by Coating Nanoscale Surface Amorphous Films. <i>Nano Letters</i> , 2018 , 18, 130-136	11.5	16
64	High photodetectivity of low-voltage flexible photodetectors assembled with hybrid aligned nanowire arrays. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6510-6519	7.1	16
63	Enhanced yellow luminescence of amorphous Ga ₂ O ₃ nanofibers with tunable crystallinity. <i>Ceramics International</i> , 2016 , 42, 6467-6474	5.1	15
62	Synthesis, phase transformation and photoluminescence properties of Eu:La(1-x)Gd(x)VO ₄ nanofibers by electrospinning method. <i>Nanoscale</i> , 2012 , 4, 5065-70	7.7	15
61	Indium-doped SnO nanobelts for high-performance transparent and flexible photosensors by a facile assembly. <i>Nanotechnology</i> , 2017 , 28, 335705	3.4	14
60	Phase stability and high conductivity of ScSZ nanofibers: effect of the crystallite size. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10795-10800	13	14
59	High performance surface-enhanced Raman scattering substrate combining low dimensional and hierarchical nanostructures. <i>Langmuir</i> , 2010 , 26, 6865-8	4	14
58	Dry Etching Issues in the Integration of Ferroelectric Thin Film Capacitors. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 433, 189		14
57	Low Thermal Conductivity of SnO ₂ -Doped Y ₂ O ₃ -Stabilized ZrO ₂ : Effect of the Lattice Tetragonal Distortion. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 229-235	3.8	13
56	Enhanced Electrical and Mechanical Properties of Alumina-Based TiC Composites by Spark Plasma Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 6271-6276	2.3	13
55	Multifunctional Properties of Alumina Composites Reinforced by a Hybrid Filler. <i>International Journal of Applied Ceramic Technology</i> , 2009 , 6, 80-88	2	13
54	Direct electrospun La ₂ O ₃ nanowires decorated with metal particles: Novel 1 D adsorbents for rapid removal of dyes in wastewater. <i>Journal of Materials Science and Technology</i> , 2020 , 45, 84-91	9.1	12
53	Effects of Texture on the Thermal Conductivity of the LaPO ₄ Monazite. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2822-2827	3.8	12
52	Electrical and dielectric behaviors of Ti ₃ SiC ₂ /Hydroxyapatite composites. <i>Applied Physics Letters</i> , 2006 , 88, 052903	3.4	12
51	Machinable and mechanical properties of sintered Al ₂ O ₃ -Ti ₃ SiC ₂ composites. <i>Journal of Materials Science</i> , 2004 , 39, 3137-3140	4.3	12

50	Enhanced ionic conductivity in magnetron-sputtered Ce _{0.8} Sm _{0.2} O _{2-δ} /Al ₂ O ₃ multilayers. <i>Electrochimica Acta</i> , 2015 , 158, 196-201	6.7	11
49	Preparation and characterization of self-assembled percolative BaTiO-CoFeO nanocomposites via magnetron co-sputtering. <i>Science and Technology of Advanced Materials</i> , 2014 , 15, 025003	7.1	11
48	Synergetic Enhancement in Photosensitivity and Flexibility of Photodetectors Based on Hybrid Nanobelt Network. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700909	4.6	10
47	Evaluation of Phase Transformation and Mechanical Properties of Metastable Yttria-Stabilized Zirconia by Nanoindentation. <i>Materials</i> , 2019 , 12,	3.5	10
46	Electronic structure, mechanical properties and anisotropy of thermal conductivity of YSiO ₄ quaternary crystals. <i>Computational Materials Science</i> , 2015 , 109, 231-239	3.2	10
45	Phase transformation behavior in air plasma sprayed yttria stabilized zirconia coating. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 189-196	5.7	10
44	Electronic and magnetic properties of double perovskite slab-rocksalt layer rare earth strontium aluminates natural superlattice structure. <i>Journal of Applied Physics</i> , 2013 , 113, 143907	2.5	10
43	Enhanced Mechanical Properties of Machinable LaPO ₄ /Al ₂ O ₃ Composites by Spark Plasma Sintering. <i>International Journal of Applied Ceramic Technology</i> , 2009 , 6, 236-242	2	10
42	Mechanical properties, oxygen barrier property, and chemical stability of RE ₃ NbO ₇ for thermal barrier coating. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 2302-2308	3.8	10
41	Fabrication of high performance oxygen sensors using multilayer oxides with high interfacial conductivity. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11422-11429	13	10
40	Enhanced ionic conductivity in phase stabilized yttria-doped zirconia nanowires. <i>Solid State Ionics</i> , 2017 , 308, 34-39	3.3	9
39	Enhanced oxide-ion conductivity in highly c-axis textured La ₁₀ Si ₆ O ₂₇ ceramic. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13817	13	9
38	High-Temperature Aging of Plasma Sprayed Quasi-Eutectoid LaYbZr ₂ O ₇ -Part I: Phase Evolution. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2829-2835	3.8	8
37	Synthesis of Co-Doped ZnO Nanofibers and Their Magnetic Properties. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 217-222	3.8	8
36	Highly enhanced electrical conductivity in electrospun La _{9.6} Si ₆ O _{26.4} nanofibres. <i>Micro and Nano Letters</i> , 2012 , 7, 554	0.9	7
35	Microstructural and electrical characteristics of epitaxial BiFeO ₃ thick films sputtered at different Ar/O ₂ flow ratios. <i>CrystEngComm</i> , 2016 , 18, 4604-4612	3.3	7
34	Copper-coated TiN nanofibers with high electrical conductivity: a new advance in conductive one-dimensional nanostructures. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7272-7276	7.1	6
33	High-Temperature Aging of Plasma Sprayed Quasi-Eutectoid LaYbZr ₂ O ₇ -Part II: Microstructure & Thermal Conductivity. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2836-2842	3.8	6

32	A Novel Inorganic Ni-LaO Composite with Superfast and Versatile Water Purification Behavior. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43723-43729	9.5	6
31	Preparation of SnO nanotubes a template-free electrospinning process.. <i>RSC Advances</i> , 2020 , 10, 22113-22119	3.7	5
30	Electrical Behavior of Nonstoichiometric TiN _{1+x} Nanofibers by Electrospinning. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2372-2375	3.8	5
29	Reactive ion Etching of PbZr _x Ti _{1-x} O ₃ and RuO ₂ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 310, 133		5
28	Surface resistivity and bonding strength of atmosphere plasma sprayed copper-coated alumina substrate. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 1193-1197	3.8	5
27	Thermophysical properties of rare earth barium aluminates. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 2718-2723	3.8	4
26	Synergetic enhancement of mechanical and electrical properties in Ce _{0.8} Sm _{0.1} Nd _{0.1} O ₂ /La ₁₀ Si ₆ O ₂₇ composite electrolytes. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3130-3137	3.8	4
25	Contrary interfacial effects for textured and non-textured multilayer solid oxide electrolytes. <i>RSC Advances</i> , 2016 , 6, 34390-34398	3.7	4
24	Structure and Properties of Nonstoichiometric Y _{1-x} Nb _x O _{1.5+x} for Thermal Barrier Coatings. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 526-534	6	4
23	Enhanced Oxygen Ion Conductivity in Composite Film Electrolytes with Aligned Nanowires. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800098	4.6	3
22	LiRE ₂ Si ₃ (RE = Nd, Sm, and Eu) as potential photovoltaic materials. <i>Applied Physics Letters</i> , 2013 , 103, 013902	3.4	3
21	Electrospinning of Nanofibers for Photocatalyst. <i>Current Organic Chemistry</i> , 2013 , 17, 1371-1381	1.7	3
20	High photosensitivity and external quantum efficiency photosensors achieved by a cable like nanoarchitecture. <i>Nanotechnology</i> , 2020 , 31, 015601	3.4	3
19	The effect of phonon anharmonicity on the lattice thermal conductivity of rare-earth pyrochlores: A first-principles study. <i>Ceramics International</i> , 2020 , 46, 9947-9951	5.1	2
18	A novel efficient RhB absorbent of Mo ₂ N/MoO ₂ composite nanofibers for wastewater treatment. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 2975-2978	3.8	2
17	Y ₃ NbO ₇ transparent ceramic series for high refractive index optical lenses. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 5776-5783	3.8	2
16	Oxygen-vacancy-mediated microstructure and thermophysical properties in Zr ₃ Ln ₄ O ₁₂ for high-temperature applications. <i>Journal of the American Ceramic Society</i> , 2018 , 102, 1961	3.8	2
15	One-dimensional electrospun ceramic nanomaterials and their sensing applications. <i>Journal of the American Ceramic Society</i> ,	3.8	2

14	Measurement of ion mobility based on a reversible migration process in solids. <i>Applied Physics Letters</i> , 2019 , 114, 243901	3.4	1
13	Facile synthesis of flexible Pt/NiO 1D nanohybrids with high electrical properties using electrospinning. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 10589-10596	2.1	1
12	Room-Temperature Ferromagnetism in Co-Doped SrTiO ₃ Nanofibres. <i>Key Engineering Materials</i> , 2012 , 512-515, 1438-1441	0.4	1
11	Fabrication and Electrical Properties of Vanadium Pentoxide Fibres. <i>Key Engineering Materials</i> , 2012 , 512-515, 1281-1285	0.4	1
10	THIS ARTICLE HAS BEEN RETRACTED Effect of Silica Sol on the Properties of Alumina-Based Duplex Ceramic Cores. <i>International Journal of Applied Ceramic Technology</i> , 2008 , 5, 105-109	2	1
9	Thermal conductivity prediction in air plasma sprayed thermal barrier coatings containing multifarious defects. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 4788-4802	3.8	1
8	2D Metals: 2D Metals by Repeated Size Reduction (Adv. Mater. 37/2016). <i>Advanced Materials</i> , 2016 , 28, 8169-8169	24	1
7	Interface dominated conductivity change in Ce _{0.8} Sm _{0.1} Nd _{0.1} O ₂ /La _{0.33} Si ₆ O ₂₆ composite electrolyte. <i>Solid State Ionics</i> , 2019 , 331, 12-17	3.3	1
6	The dependence of lattice thermal conductivity on phonon modes in pyrochlore-related Ln ₂ Sn ₂ O ₇ (Ln=La, Gd). <i>Journal of the American Ceramic Society</i> , 2021 , 104, 27-33	3.8	1
5	High electromagnetic interference shielding effectiveness in MgO composites reinforced by aligned graphene platelets. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 2868-2878	3.8	1
4	Transparent Ultraviolet Photodetectors Based on Ga ₂ O ₃ Electrospun Nanowires. <i>Solid State Phenomena</i> , 2018 , 281, 710-715	0.4	1
3	CaO-MgO-Al ₂ O ₃ -SiO ₂ corrosion behavior of air-plasma-sprayed (La _x Yb _{1-x}) ₂ Zr ₂ O ₇ . <i>Journal of the American Ceramic Society</i> , 2018 , 102, 2029	3.8	1
2	Zinc coating on steel by atmosphere plasma spray and their anti-corrosion behavior. <i>Materials Letters</i> , 2022 , 314, 131825	3.3	0
1	Oxide Semiconductors: Arc-Melting to Narrow the Bandgap of Oxide Semiconductors (Adv. Mater. 16/2015). <i>Advanced Materials</i> , 2015 , 27, 2675-2675	24	