

Wei Pan

List of Publications by Year in descending order

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163
papers

8,448
citations

44042

48
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all docs

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docs citations

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times ranked

8523
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Photocatalysis of Electrospun Ag ⁺ ZnO Heterostructured Nanofibers. <i>Chemistry of Materials</i> , 2009, 21, 3479-3484.	3.2	517
2	High thermoelectric performance of oxyselenides: intrinsically low thermal conductivity of Ca-doped BiCuSeO. <i>NPG Asia Materials</i> , 2013, 5, e47-e47.	3.8	349
3	Electronic structure, mechanical properties and thermal conductivity of Ln ₂ Zr ₂ O ₇ (Ln=La, Pr, Nd, Sm, Tj) <i>ETQq1</i> 1 0.784314 <i>pgBT /Over</i> 304	3.8	304
4	Low thermal conductivity oxides. <i>MRS Bulletin</i> , 2012, 37, 917-922.	1.7	298
5	Electrospinning of Fe, Co, and Ni Nanofibers: Synthesis, Assembly, and Magnetic Properties. <i>Chemistry of Materials</i> , 2007, 19, 3506-3511.	3.2	286
6	Effect of point defects on the thermal transport properties of (La _x Gd _{1-x}) ₂ Zr ₂ O ₇ : Experiment and theoretical model. <i>Physical Review B</i> , 2006, 74, .	1.1	270
7	Electrospinning of ceramic nanofibers: Fabrication, assembly and applications. <i>Journal of Advanced Ceramics</i> , 2012, 1, 2-23.	8.9	239
8	Defect engineering in development of low thermal conductivity materials: A review. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1-13.	2.8	233
9	Anisotropic elastic and thermal properties of the double perovskite slab-rock 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.	3.8	227
10	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.	3.8	191
11	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.	11.1	171
12	Mechanical properties of high-temperature-degraded yttria-stabilized zirconia. <i>Acta Materialia</i> , 2014, 69, 397-406.	3.8	164
13	Fabrication and Evaluation of Porous Piezoelectric Ceramics and Porosity-Graded Piezoelectric Actuators. <i>Journal of the American Ceramic Society</i> , 2003, 86, 1094-1098.	1.9	147
14	Biomimetic nanofiber patterns with controlled wettability. <i>Soft Matter</i> , 2008, 4, 2429.	1.2	147
15	Photoswitches and Memories Assembled by Electrospinning Aluminum-Doped Zinc Oxide Single Nanowires. <i>Advanced Materials</i> , 2007, 19, 3968-3972.	11.1	140
16	Preparation of Zinc Oxide Nanofibers by Electrospinning. <i>Journal of the American Ceramic Society</i> , 2006, 89, 699-701.	1.9	136
17	Progress in ceramic materials and structure design toward advanced thermal barrier coatings. <i>Journal of Advanced Ceramics</i> , 2022, 11, 985-1068.	8.9	135
18	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.	1.9	132

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19	Fabrication, assembly, and electrical characterization of CuO nanofibers. Applied Physics Letters, 2006, 89, 133125.	1.5	125
20	Enhanced UV photoresponse from heterostructured Ag ⁺ ZnO nanowires. Applied Physics Letters, 2009, 94, .	1.5	108
21	Thermophysical properties of rare-earth stannates: Effect of pyrochlore structure. Acta Materialia, 2012, 60, 2939-2949.	3.8	108
22	Mechanical and thermal properties of fine-grained quasi-eutectoid (La ^{1-x} Yb ^x) ₂ Zr ₂ O ₇ ceramics. Journal of the European Ceramic Society, 2015, 35, 3145-3154.	2.8	96
23	ZnO Nanofiber Field-Effect Transistor Assembled by Electrospinning. Journal of the American Ceramic Society, 2008, 91, 656-659.	1.9	95
24	Order-Disorder Transition and Unconventional Thermal Conductivities of the (Sm ^{1-x} Yb ^x) ₂ Zr ₂ O ₇ Series. Journal of the American Ceramic Society, 2011, 94, 592-596.	1.9	95
25	Rare-Earth Zirconate Ceramics with Fluorite Structure for Thermal Barrier Coatings. Journal of the American Ceramic Society, 2006, 89, 340-342.	1.9	94
26	Ultralow Thermal Conductivity in Highly Anion-Defective Aluminates. Physical Review Letters, 2008, 101, 085901.	2.9	92
27	Effect of lattice defects on thermal conductivity of Ti-doped, Y ₂ O ₃ -stabilized ZrO ₂ . Acta Materialia, 2013, 61, 5496-5503.	3.8	85
28	Thermo-mechanical properties of ThO ₂ -doped Y ₂ O ₃ stabilized ZrO ₂ for thermal barrier coatings. Ceramics International, 2016, 42, 501-508.	2.3	83
29	Thermal conductivity of ytterbia-stabilized zirconia. Scripta Materialia, 2012, 66, 41-44.	2.6	80
30	2D Metals by Repeated Size Reduction. Advanced Materials, 2016, 28, 8170-8176.	11.1	68
31	Embedding two-dimensional graphene array in ceramic matrix. Science Advances, 2020, 6, .	4.7	67
32	Enhanced Photocatalytic Activity of Electrospun TiO ₂ Nanofibers with Optimal Anatase/Rutile Ratio. Journal of the American Ceramic Society, 2011, 94, 3184-3187.	1.9	65
33	An extremely low thermal conduction ceramic: RE _{9.33} (SiO ₄) ₆ O ₂ silicate oxyapatite. Acta Materialia, 2012, 60, 5536-5544.	3.8	63
34	Synergistic effect of N-decorated and Mn ²⁺ doped ZnO nanofibers with enhanced photocatalytic activity. Scientific Reports, 2016, 6, 32711.	1.6	63
35	Facile Synthesis of Heterostructured ZnO-ZnS Nanocables and Enhanced Photocatalytic Activity. Journal of the American Ceramic Society, 2010, 93, 3384-3389.	1.9	62
36	Citric-Nitrate Combustion Synthesis and Electrical Conductivity of the Sm ³⁺ and Nd ³⁺ Co-Doped Ceria Electrolyte. Journal of the American Ceramic Society, 2008, 91, 3926-3930.	1.9	60

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37	Diameter-Dependent Photocatalytic Activity of Electrospun TiO ₂ Nanofiber. Journal of the American Ceramic Society, 2010, 93, 2503-2506.	1.9	58
38	Synthesis and electrical properties of apatite-type La ₁₀ Si ₆ O ₂₇ . Journal of Power Sources, 2010, 195, 2196-2201.	4.0	57
39	Enhanced conductivity and gating effect of p-type Li-doped NiO nanowires. Nanoscale, 2014, 6, 688-692.	2.8	57
40	Electrical properties of ceria Co-doped with Sm ³⁺ and Nd ³⁺ . Journal of Power Sources, 2010, 195, 969-976.	4.0	56
41	A promising material for thermal barrier coating: Pyrochlore-related compound Sm ₂ FeTaO ₇ . Scripta Materialia, 2018, 149, 49-52.	2.6	56
42	Ceria (Sm ³⁺ , Nd ³⁺)/carbonates composite electrolytes with high electrical conductivity at low temperature. Composites Science and Technology, 2010, 70, 181-185.	3.8	55
43	Enhanced Photocatalytic Activity in Electrospun Bismuth Vanadate Nanofibers with Phase Junction. ACS Applied Materials & Interfaces, 2015, 7, 9638-9644.	4.0	55
44	Thermal conductivity of rare earth zirconate pyrochlore from first principles. Scripta Materialia, 2013, 68, 727-730.	2.6	52
45	A flexible and transparent ceramic nanobelt network for soft electronics. NPG Asia Materials, 2014, 6, e86-e86.	3.8	50
46	Structural and Thermo-Mechanical Properties of Nd: Y ₂ O ₃ Transparent Ceramics. Journal of the American Ceramic Society, 2015, 98, 3326-3331.	1.9	50
47	Ultra-dense dislocations stabilized in high entropy oxide ceramics. Nature Communications, 2022, 13, .	5.8	50
48	Preparation and electrical properties of electrospun tin-doped indium oxide nanowires. Nanotechnology, 2007, 18, 465301.	1.3	49
49	Diffused Lattice Vibration and Ultralow Thermal Conductivity in the Binary Ln-Nb-O Oxide System. Advanced Materials, 2019, 31, e1808222.	11.1	49
50	High Transparency Nd: Y ₂ O ₃ Ceramics Prepared with La ₂ O ₃ and ZrO ₂ Additives. Journal of the American Ceramic Society, 2015, 98, 824-828.	1.9	48
51	Facile Synthesis and Assembly of Ag/NiO Nanofibers with High Electrical Conductivity. Chemistry of Materials, 2007, 19, 1895-1897.	3.2	46
52	Morphological Control of Centimeter Long Aluminum-Doped Zinc Oxide Nanofibers Prepared by Electrospinning. Journal of the American Ceramic Society, 2007, 90, 71-76.	1.9	46
53	Preparation of Necklace-Structured TiO ₂ /SnO ₂ Hybrid Nanofibers and Their Photocatalytic Activity. Journal of the American Ceramic Society, 2009, 92, 2463-2466.	1.9	46
54	Mechanical properties of rare earth stannate pyrochlores. Applied Physics Letters, 2011, 99, .	1.5	46

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55	High κ in Electrospun BaTiO ₃ Nanofibers. Journal of the American Ceramic Society, 2009, 92, 2162-2164.	1.9	45
56	Thermal expansions of LnZr ₂ O ₇ (Ln=La, Nd, Sm, and Gd) pyrochlore. Journal of Applied Physics, 2012, 111, .	1.1	42
57	Photocatalytic and Magnetic Properties of the FeTiO ₂ /SnO ₂ Nanofiber Via Electrospinning. Journal of the American Ceramic Society, 2010, 93, 605-608.	1.9	41
58	High conductivity of La ₂ Zr ₂ O ₇ nanofibers by phase control. Journal of Materials Chemistry A, 2014, 2, 1855-1861.	5.2	41
59	Buckled Tin Oxide Nanobelt Webs as Highly Stretchable and Transparent Photosensors. Small, 2015, 11, 5712-5718.	5.2	41
60	Microstructure and tribological behavior of TiAlSiN coatings deposited by deep oscillation magnetron sputtering. Journal of the American Ceramic Society, 2018, 101, 5166-5176.	1.9	40
61	TiN Nanofibers: A New Material with High Conductivity and Transmittance for Transparent Conductive Electrodes. Advanced Functional Materials, 2013, 23, 209-214.	7.8	39
62	Effect of Lattice Distortion and Disorder on the Mechanical Properties of Titania-Doped Yttria-Stabilized Zirconia. Journal of the American Ceramic Society, 2014, 97, 1566-1571.	1.9	39
63	Effect of Composition on Properties of Alumina/Titanium Silicon Carbide Composites. Journal of the American Ceramic Society, 2002, 85, 3099-3101.	1.9	37
64	Thermal conductivity and mechanical properties of YSZ/LaPO ₄ composites. Journal of Materials Science, 2014, 49, 2243-2251.	1.7	37
65	Enhanced visible-light-driven photocatalysis of surface nitrated electrospun TiO ₂ nanofibers. Nanoscale, 2012, 4, 801-806.	2.8	35
66	Suppressed phase transition and giant ionic conductivity in La ₂ Mo ₂ O ₉ nanowires. Nature Communications, 2015, 6, 8354.	5.8	35
67	Reactive ion etching of PbZr _{1-x} Ti _x O ₃ and RuO ₂ films by environmentally safe gases. Journal of Materials Research, 1994, 9, 2976-2980.	1.2	34
68	Calculation of the thermal conductivity of $L_{2-x}Mn_2$	1.1	33
69	SiO _x Nanodandelion by Laser Ablation for Anode of Lithium-Ion Battery. Small, 2015, 11, 6009-6012.	5.2	33
70	Electrical properties of Mg-doped Gd _{0.1} Ce _{0.9} O _{1.95} under different sintering conditions. Journal of Power Sources, 2008, 183, 498-505.	4.0	32
71	Glass fiber fabric mat as the separator for lithium-ion battery with high safety performance. Ionics, 2015, 21, 3135-3139.	1.2	31
72	Filling the Gaps between Graphene Oxide: A General Strategy toward Nanolayered Oxides. Advanced Functional Materials, 2015, 25, 5683-5690.	7.8	31

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73	High performance alumina based graphene nanocomposites with novel electrical and dielectric properties. RSC Advances, 2015, 5, 33607-33614.	1.7	30
74	Restrained TGO growth in YSZ/NiCrAlY thermal barrier coatings by modified laser remelting. Surface and Coatings Technology, 2017, 309, 1119-1125.	2.2	30
75	A high-performance TiO ₂ nanowire UV detector assembled by electrospinning. RSC Advances, 2017, 7, 26220-26225.	1.7	30
76	Stretchable Platinum Network-Based Transparent Electrodes for Highly Sensitive Wearable Electronics. Small, 2017, 13, 1604291.	5.2	30
77	A stable and highly efficient visible-light photocatalyst of TiO ₂ and heterogeneous carbon core-shell nanofibers. RSC Advances, 2017, 7, 15330-15336.	1.7	30
78	Phase transformation behavior in air plasma sprayed yttria stabilized zirconia coating. Journal of Alloys and Compounds, 2018, 750, 189-196.	2.8	30
79	Titanium metallization of alumina ceramics by molten salt reaction. Applied Surface Science, 2008, 254, 4584-4590.	3.1	29
80	Ultrasensitive visible light photoresponse and electrical transportation properties of nonstoichiometric indium oxide nanowire arrays by electrospinning. Journal of Materials Chemistry C, 2013, 1, 6463.	2.7	28
81	Surface defects decorated zinc doped gallium oxynitride nanowires with high photocatalytic activity. Applied Catalysis B: Environmental, 2017, 209, 53-61.	10.8	28
82	Sol-gel synthesis and ionic conductivity of oxyapatite-type La _{9.33-x} Si ₆ O ₂₆ +1.5x. Journal of Power Sources, 2013, 235, 62-66.	4.0	27
83	Ca-Mg-Al ₂ O ₃ -SiO ₂ corrosion behavior of air plasma sprayed (La _x Y _{1-x}) ₂ Zr ₂ O ₇ . Journal of the American Ceramic Society, 2019, 102, 2029-2040.	1.9	26
84	Ferromagnetism in Electrospun Co-doped SrTiO ₃ Nanofibers. Journal of Materials Science, 2012, 47, 8216-8222.	1.7	25
85	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). Journal of the American Ceramic Society, 2016, 99, 293-299.	1.9	25
86	Mechanical properties, oxygen barrier property, and chemical stability of RE ₃ NbO ₇ for thermal barrier coating. Journal of the American Ceramic Society, 2020, 103, 2302-2308.	1.9	25
87	Facile assembly of n-SnO ₂ nanobelts/p-NiO heterojunctions with enhanced ultraviolet photoresponse. Chemical Communications, 2014, 50, 2847-2850.	2.2	23
88	Stabilizing Nanocrystalline Oxide Nanofibers at Elevated Temperatures by Coating Nanoscale Surface Amorphous Films. Nano Letters, 2018, 18, 130-136.	4.5	23
89	High photodetectivity of low-voltage flexible photodetectors assembled with hybrid aligned nanowire arrays. Journal of Materials Chemistry C, 2018, 6, 6510-6519.	2.7	23
90	Preparation of heterostructured Ag/BaTiO ₃ nanofibers via electrospinning. Journal of Alloys and Compounds, 2010, 508, 536-539.	2.8	22

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91	Reactive ion etching of ferroelectric SrBi ₂ TaxNb _{2-α} O ₉ thin films. Applied Physics Letters, 1996, 68, 566-568.	1.5	21
92	Visible photoluminescence from amorphous barium titanate nanofibers. Journal of Alloys and Compounds, 2013, 551, 131-135.	2.8	21
93	Integration of Si in a metal foam current collector for stable electrochemical cycling in Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 10114-10118.	5.2	21
94	Highly enhanced ultraviolet photosensitivity and recovery speed in electrospun Ni-doped SnO ₂ nanobelts. Applied Physics Letters, 2013, 103, 141108.	1.5	20
95	Reinforcement of Hydroxyapatite Bioceramic by Addition of Ti ₃ SiC ₂ . Journal of the American Ceramic Society, 2006, 89, 743-745.	1.9	19
96	Oriented Nanofibers by a Newly Modified Electrospinning Method. Journal of the American Ceramic Society, 2007, 90, 632-634.	1.9	19
97	Machinable Ti ₃ SiC ₂ /Hydroxyapatite Bioceramic Composites by Spark Plasma Sintering. Journal of the American Ceramic Society, 2007, 90, 3331-3333.	1.9	19
98	Low Thermal Conductivity of SnO ₂ -Doped Y ₂ O ₃ -Stabilized ZrO ₂ : Effect of the Lattice Tetragonal Distortion. Journal of the American Ceramic Society, 2015, 98, 229-235.	1.9	19
99	Preparation of ZnS Nanofibers Via Electrospinning. Journal of the American Ceramic Society, 2007, 90, 3664-3666.	1.9	18
100	Electrical behavior of electrospun heterostructured Ag-ZnO nanofibers. Applied Physics Letters, 2009, 95, .	1.5	18
101	High Performance Surface-Enhanced Raman Scattering Substrate Combining Low Dimensional and Hierarchical Nanostructures. Langmuir, 2010, 26, 6865-6868.	1.6	18
102	Synthesis, phase transformation and photoluminescence properties of Eu:La _{1-x} GdxVO ₄ nanofibers by electrospinning method. Nanoscale, 2012, 4, 5065.	2.8	18
103	High-Temperature Aging of Plasma Sprayed Quasi-Eutectoid LaYbZr ₂ O ₇ -Part I: Phase Evolution. Journal of the American Ceramic Society, 2015, 98, 2829-2835.	1.9	18
104	Phase stability and high conductivity of ScSZ nanofibers: effect of the crystallite size. Journal of Materials Chemistry A, 2015, 3, 10795-10800.	5.2	18
105	Effects of Texture on the Thermal Conductivity of the LaPO ₄ Monazite. Journal of the American Ceramic Society, 2010, 93, 2822-2827.	1.9	17
106	Enhanced Mechanical Properties of Machinable LaPO ₄ /Al ₂ O ₃ Composites by Spark Plasma Sintering. International Journal of Applied Ceramic Technology, 2009, 6, 236-242.	1.1	16
107	Preparation and characterization of self-assembled percolative BaTiO ₃ -CoFe ₂ O ₄ nanocomposites via magnetron co-sputtering. Science and Technology of Advanced Materials, 2014, 15, 025003.	2.8	16
108	Enhanced Electrical and Mechanical Properties of Alumina-Based TiC Composites by Spark Plasma Sintering. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 6271-6276.	1.1	16

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109	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.	2.6	16
110	Enhanced yellow luminescence of amorphous Ga ₂ O ₃ nanofibers with tunable crystallinity. <i>Ceramics International</i> , 2016, 42, 6467-6474.	2.3	16
111	Indium-doped SnO ₂ nanobelts for high-performance transparent and flexible photosensors by a facile assembly. <i>Nanotechnology</i> , 2017, 28, 335705.	1.3	16
112	Direct electrospun La ₂ O ₃ nanowires decorated with metal particles: Novel 1D adsorbents for rapid removal of dyes in wastewater. <i>Journal of Materials Science and Technology</i> , 2020, 45, 84-91.	5.6	16
113	Dry Etching Issues in the Integration of Ferroelectric Thin Film Capacitors. <i>Materials Research Society Symposia Proceedings</i> , 1996, 433, 189.	0.1	15
114	Multifunctional Properties of Alumina Composites Reinforced by a Hybrid Filler. <i>International Journal of Applied Ceramic Technology</i> , 2009, 6, 80-88.	1.1	15
115	Synergetic Enhancement in Photosensitivity and Flexibility of Photodetectors Based on Hybrid Nanobelt Network. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700909.	1.9	15
116	Evaluation of Phase Transformation and Mechanical Properties of Metastable Yttria-Stabilized Zirconia by Nanoindentation. <i>Materials</i> , 2019, 12, 1677.	1.3	15
117	Preparation of SnO ₂ nanotubes via a template-free electrospinning process. <i>RSC Advances</i> , 2020, 10, 22113-22119.	1.7	15
118	One-dimensional electrospun ceramic nanomaterials and their sensing applications. <i>Journal of the American Ceramic Society</i> , 2022, 105, 765-785.	1.9	15
119	Enhanced ionic conductivity in phase stabilized yttria-doped zirconia nanowires. <i>Solid State Ionics</i> , 2017, 308, 34-39.	1.3	14
120	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> , 2019, 102, 1961-1970.	1.9	14
121	Structure and Properties of Nonstoichiometric Y ₁ -Nb _{0.5} + for Thermal Barrier Coatings. <i>Journal of the European Ceramic Society</i> , 2021, 41, 526-534.	2.8	14
122	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.	1.7	13
123	Electrical and dielectric behaviors of Ti ₃ SiC ₂ -hydroxyapatite composites. <i>Applied Physics Letters</i> , 2006, 88, 052903.	1.5	13
124	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.	1.9	13
125	Fabrication of high performance oxygen sensors using multilayer oxides with high interfacial conductivity. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11422-11429.	5.2	13
126	Thermophysical properties of rare earth barium aluminates. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2718-2723.	1.9	12

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127	Enhanced oxide-ion conductivity in highly c-axis textured La ₁₀ Si ₆ O ₂₇ ceramic. Journal of Materials Chemistry A, 2014, 2, 13817.	5.2	11
128	Electronic structure, mechanical properties and anisotropy of thermal conductivity of Yâ€“Siâ€“Oâ€“N quaternary crystals. Computational Materials Science, 2015, 109, 231-239.	1.4	11
129	Surface resistivity and bonding strength of atmosphere plasma sprayed copperâ€“coated alumina substrate. Journal of the American Ceramic Society, 2021, 104, 1193-1197.	1.9	11
130	Electronic and magnetic properties of double perovskite slab-rocksalt layer rare earth strontium aluminates natural superlattice structure. Journal of Applied Physics, 2013, 113, .	1.1	10
131	Y ₃ NbO ₇ transparent ceramic series for high refractive index optical lenses. Journal of the American Ceramic Society, 2021, 104, 5776-5783.	1.9	10
132	Synthesis of <sc><sc>Co</sc></sc>â€“Doped <sc><sc>ZnO</sc></sc> Nanofibers and Their Magnetic Properties. Journal of the American Ceramic Society, 2012, 95, 217-222.	1.9	9
133	Copper-coated TiN nanofibers with high electrical conductivity: a new advance in conductive one-dimensional nanostructures. Journal of Materials Chemistry C, 2015, 3, 7272-7276.	2.7	9
134	Microstructural and electrical characteristics of epitaxial BiFeO ₃ thick films sputtered at different Ar/O ₂ flow ratios. CrystEngComm, 2016, 18, 4604-4612.	1.3	8
135	A Novel Inorganic Niâ€“La ₂ O ₃ Composite with Superfast and Versatile Water Purification Behavior. ACS Applied Materials & Interfaces, 2018, 10, 43723-43729.	4.0	8
136	High electromagnetic interference shielding effectiveness in MgO composites reinforced by aligned graphene platelets. Journal of the American Ceramic Society, 2021, 104, 2868-2878.	1.9	8
137	Electrospun Ceramic Nanofibers for Photocatalysis. Nanomaterials, 2021, 11, 3221.	1.9	8
138	Highly enhanced electrical conductivity in electrospun La _{9.6} Si ₆ O _{26.4} nanofibres. Micro and Nano Letters, 2012, 7, 554.	0.6	7
139	Thermal conductivity prediction in air plasma sprayed thermal barrier coatings containing multifarious defects. Journal of the American Ceramic Society, 2021, 104, 4788-4802.	1.9	7
140	Repressing highâ€“temperature radiative heat transfer in thermal barrier coatings. Journal of the American Ceramic Society, 2022, 105, 3485-3497.	1.9	7
141	Electrical Behavior of Nonstoichiometric <sc><sc>TiN</sc></sc> _{1+x} Nanofibers by Electrospinning. Journal of the American Ceramic Society, 2014, 97, 2372-2375.	1.9	6
142	High photosensitivity and external quantum efficiency photosensors achieved by a cable like nanoarchitecture. Nanotechnology, 2020, 31, 015601.	1.3	6
143	Reactive ion Etching of PbZrxTi1âˆ“xO3 and RuO2 Tein Films. Materials Research Society Symposia Proceedings, 1993, 310, 133.	0.1	5
144	Contrary interfacial effects for textured and non-textured multilayer solid oxide electrolytes. RSC Advances, 2016, 6, 34390-34398.	1.7	5

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145	Electrospinning of Nanofibers for Photocatalyst. <i>Current Organic Chemistry</i> , 2013, 17, 1371-1381.	0.9	5
146	Synergetic enhancement of mechanical and electrical properties in Ce _{0.8} Sm _{0.1} Nd _{0.1} O ₂ ^δ /La ₁₀ Si ₆ O ₂₇ composite electrolytes. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3130-3137.	1.9	4
147	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.	2.3	4
148	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.	1.9	4
149	LiRE ₂ Si ₃ (RE = Nd, Sm, and Eu) as potential photovoltaic materials. <i>Applied Physics Letters</i> , 2013, 103, 013902.	1.5	3
150	Enhanced Oxygen Ion Conductivity in Composite Film Electrolytes with Aligned Nanowires. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800098.	1.9	3
151	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.	1.9	3
152	Room-Temperature Ferromagnetism in Co-Doped SrTiO ₃ Nanofibres. <i>Key Engineering Materials</i> , 0, 512-515, 1438-1441.	0.4	2
153	Transparent Ultraviolet Photodetectors Based on Ga ₂ O ₃ Electrospun Nanowires. <i>Solid State Phenomena</i> , 0, 281, 710-715.	0.3	2
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