Fei Chen

List of Publications by Year
in descending order

227 papers	8,007 citations	50276 46 h-index	58581 82 g-index
231 all docs	231 docs citations	231 times ranked	8542 citing authors

#	Article	IF	Citations
1	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. Journal of Colloid and Interface Science, 2018, 519, 273-284.	9.4	552
2	BiOX (Xâ€¯=â€¯Cl, Br, I) photocatalytic nanomaterials: Applications for fuels and environmental management. Advances in Colloid and Interface Science, 2018, 254, 76-93.	14.7	422
3	Enhanced Photocatalytic Degradation of Tetracycline by AgI/BiVO₄ Heterojunction under Visible-Light Irradiation: Mineralization Efficiency and Mechanism. ACS Applied Materials & Interfaces, 2016, 8, 32887-32900.	8.0	407
4	Effectiveness and mechanisms of phosphate adsorption on iron-modified biochars derived from waste activated sludge. Bioresource Technology, 2018, 247, 537-544.	9.6	297
5	Efficient decontamination of organic pollutants under high salinity conditions by a nonradical peroxymonosulfate activation system. Water Research, 2021, 191, 116799.	11.3	259
6	Rational Design of Carbon-Doped Carbon Nitride/Bi₁₂O₁₇Cl₂ Composites: A Promising Candidate Photocatalyst for Boosting Visible-Light-Driven Photocatalytic Degradation of Tetracycline. ACS Sustainable Chemistry and Engineering, 2018, 6, 6941-6949.	6.7	196
7	Solid polymer electrolytes incorporating cubic Li7La3Zr2O12 for all-solid-state lithium rechargeable batteries. Electrochimica Acta, 2017, 258, 1106-1114.	5.2	193
8	Photo-reduction of bromate in drinking water by metallic Ag and reduced graphene oxide (RGO) jointly modified BiVO4 under visible light irradiation. Water Research, 2016, 101, 555-563.	11.3	170
9	Understanding and mitigating the toxicity of cadmium to the anaerobic fermentation of waste activated sludge. Water Research, 2017, 124, 269-279.	11.3	157
10	Understanding the impact of cationic polyacrylamide on anaerobic digestion of waste activated sludge. Water Research, 2018, 130, 281-290.	11.3	156
11	Field assisted sintering of dense Al-substituted cubic phase Li7La3Zr2O12 solid electrolytes. Journal of Power Sources, 2014, 268, 960-964.	7.8	151
12	Triclocarban enhances short-chain fatty acids production from anaerobic fermentation of waste activated sludge. Water Research, 2017, 127, 150-161.	11.3	150
13	Hydrated lanthanum oxide-modified diatomite as highly efficient adsorbent for low-concentration phosphate removal from secondary effluents. Journal of Environmental Management, 2019, 231, 370-379.	7.8	140
14	Free nitrous acid promotes hydrogen production from dark fermentation of waste activated sludge. Water Research, 2018, 145, 113-124.	11.3	137
15	Potential impact of salinity on methane production from food waste anaerobic digestion. Waste Management, 2017, 67, 308-314.	7.4	123
16	Highly selective electrochemical nitrate reduction using copper phosphide self-supported copper foam electrode: Performance, mechanism, and application. Water Research, 2021, 193, 116881.	11.3	121
17	Facile synthesis of In2S3/UiO-66 composite with enhanced adsorption performance and photocatalytic activity for the removal of tetracycline under visible light irradiation. Journal of Colloid and Interface Science, 2019, 535, 444-457.	9.4	120
18	Is denitrifying anaerobic methane oxidation-centered technologies a solution for the sustainable operation of wastewater treatment Plants?. Bioresource Technology, 2017, 234, 456-465.	9.6	117

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19	High-performance Li6.4La3Zr1.4Ta0.6O12/Poly(ethylene oxide)/Succinonitrile composite electrolyte for solid-state lithium batteries. Journal of Power Sources, 2018, 397, 87-94.	7.8	117
20	Yield symmetry and reduced strength differential in Mg-2.5Y alloy. Acta Materialia, 2016, 120, 75-85.	7.9	102
21	Indirect electrochemical reduction of nitrate in water using zero-valent titanium anode: Factors, kinetics, and mechanism. Water Research, 2019, 157, 191-200.	11.3	95
22	Revealing the Underlying Mechanisms of How Sodium Chloride Affects Short-Chain Fatty Acid Production from the Cofermentation of Waste Activated Sludge and Food Waste. ACS Sustainable Chemistry and Engineering, 2016, 4, 4675-4684.	6.7	92
23	One-Step Fabrication of CdS Nanorod Arrays via Solution Chemistry. Journal of Physical Chemistry C, 2008, 112, 13457-13462.	3.1	90
24	Influence of particle size and spatial distribution of B4C reinforcement on the microstructure and mechanical behavior of precipitation strengthened Al alloy matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 675, 421-430.	5.6	89
25	Microstructural evolution and mechanical properties of (Mg,Co,Ni,Cu,Zn)O highâ€entropy ceramics. Journal of the American Ceramic Society, 2019, 102, 2228-2237.	3.8	87
26	ELECTROMAGNETIC OPTIMAL DESIGN AND PREPARATION OF BROADBAND CERAMIC RADOME MATERIAL WITH GRADED POROUS STRUCTURE. Progress in Electromagnetics Research, 2010, 105, 445-461.	4.4	81
27	Sulfate radical induced degradation of Methyl Violet azo dye with CuFe layered doubled hydroxide as heterogeneous photoactivator of persulfate. Journal of Environmental Management, 2018, 227, 406-414.	7.8	77
28	Competing with other polyanionic cathode materials for potassium-ion batteries via fine structure design: new layered KVOPO₄ with a tailored particle morphology. Journal of Materials Chemistry A, 2019, 7, 15244-15251.	10.3	72
29	Free ammonia-based pretreatment enhances phosphorus release and recovery from waste activated sludge. Chemosphere, 2018, 213, 276-284.	8.2	70
30	Pressureless Sintering of ?-Si3N4Porous Ceramics Using a H3PO4Pore-Forming Agent. Journal of the American Ceramic Society, 2007, 90, 2379-2383.	3.8	69
31	In situ formation of LiF decoration on a Li-rich material for long-cycle life and superb low-temperature performance. Journal of Materials Chemistry A, 2019, 7, 11513-11519.	10.3	67
32	Garnet-type solid electrolyte: Advances of ionic transport performance and its application in all-solid-state batteries. Journal of Advanced Ceramics, 2021, 10, 933-972.	17.4	64
33	Effect of lithium ion concentration on the microstructure evolution and its association with the ionic conductivity of cubic garnet-type nominal Li7Al0.25La3Zr2O12 solid electrolytes. Solid State Ionics, 2016, 284, 53-60.	2.7	60
34	Faradaically selective membrane for liquid metal displacement batteries. Nature Energy, 2018, 3, 127-131.	39.5	60
35	Novel Star-Shaped Helical Perylene Diimide Electron Acceptors for Efficient Additive-Free Nonfullerene Organic Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 27894-27901.	8.0	59
36	Synergistic regulation of garnet-type Ta-doped Li7La3Zr2O12 solid electrolyte by Li+ concentration and Li+ transport channel size. Electrochimica Acta, 2019, 296, 823-829.	5.2	59

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37	Preparation of zirconium pyrophosphate bonded silicon nitride porous ceramics. Materials Science and Technology, 2006, 22, 915-918.	1.6	56
38	Fabrication and thermoelectric properties of Mg2Si1â^'xSnx (0â‰¤xâ‰¤1.0) solid solutions by solid state reaction and spark plasma sintering. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 157, 96-100.	3.5	56
39	The ceramifying process and mechanical properties of silicone rubber/ ammonium polyphosphate/ aluminium hydroxide/ mica composites. Polymer Degradation and Stability, 2016, 126, 196-203.	5.8	56
40	Effect of plasma activated sintering parameters on microstructure and mechanical properties of Al-7075/B 4 C composites. Journal of Alloys and Compounds, 2014, 615, 276-282.	5.5	55
41	Effect of nickel on the flocculability, settleability, and dewaterability of activated sludge. Bioresource Technology, 2017, 224, 188-196.	9.6	55
42	Evaluating the potential impact of hydrochar on the production of short-chain fatty acid from sludge anaerobic digestion. Bioresource Technology, 2017, 246, 234-241.	9.6	52
43	Effective adsorption/electrocatalytic degradation of perchlorate using Pd/Pt supported on N-doped activated carbon fiber cathode. Journal of Hazardous Materials, 2017, 323, 602-610.	12.4	50
44	Modeling, Preparation, and Elemental Doping of Li7La3Zr2O12 Garnet-Type Solid Electrolytes: A Review. Journal of the Korean Ceramic Society, 2019, 56, 111-129.	2.3	50
45	Field assisted sintering of graphene reinforced zirconia ceramics. Ceramics International, 2015, 41, 6113-6116.	4.8	48
46	Microstructure and mechanical behavior of a novel Co20Ni20Fe20Al20Ti20 alloy fabricated by mechanical alloying and spark plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 644, 10-16.	5.6	46
47	Origin of the Phase Transition in Lithium Garnets. Journal of Physical Chemistry C, 2018, 122, 1963-1972.	3.1	46
48	Chloride-Passivated Mg-Doped ZnO Nanoparticles for Improving Performance of Cadmium-Free, Quantum-Dot Light-Emitting Diodes. ACS Photonics, 2018, 5, 3704-3711.	6.6	45
49	Hollow sphere structured V₂O₃@C as an anode material for high capacity potassium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 13261-13266.	10.3	45
50	Crystal structure and lithium ionic transport behavior of Li site doped Li7La3Zr2O12. Journal of the European Ceramic Society, 2020, 40, 3065-3071.	5.7	44
51	The behavior of melamine in biological wastewater treatment system. Journal of Hazardous Materials, 2017, 322, 445-453.	12.4	41
52	Blue quantum dot-based electroluminescent light-emitting diodes. Materials Chemistry Frontiers, 2020, 4, 1340-1365.	5.9	40
53	All-Solid-State Lithium Battery Fitted with Polymer Electrolyte Enhanced by Solid Plasticizer and Conductive Ceramic Filler. Journal of the Electrochemical Society, 2018, 165, A3558-A3565.	2.9	39
54	Mechanical and dielectric properties of silicon nitride ceramics with high and hierarchical porosity. Materials & Design, 2012, 40, 562-566.	5.1	38

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55	From 0D to 3D: Dimensional Control of Bismuth for Potassium Storage with Superb Kinetics and Cycling Stability. Advanced Energy Materials, 2021, 11, 2102263.	19.5	38
56	Regulation mechanism of bottleneck size on Li+ migration activation energy in garnet-type Li7La3Zr2O12. Electrochimica Acta, 2018, 261, 137-142.	5.2	37
57	Fabrication and mechanical behavior of bulk nanoporous Cu via chemical de-alloying of Cuâ€“Al alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 660, 241-250.	5.6	36
58	Perchlorate bioreduction linked to methane oxidation in a membrane biofilm reactor: Performance and microbial community structure. Journal of Hazardous Materials, 2018, 357, 244-252.	12.4	36
59	Effect of caffeine on ovariectomy-induced osteoporosis in rats. Biomedicine and Pharmacotherapy, 2019, 112, 108650.	5.6	35
60	Gas Pressure Sintering of Arbitrary Porous Silicon Nitride Ceramics with High Mechanical Strength. Journal of the American Ceramic Society, 2010, 93, 1565-1568.	3.8	34
61	High Capacity All-Solid-State Lithium Battery Using Cathodes with Three-Dimensional Li⁺Conductive Network. Journal of the Electrochemical Society, 2017, 164, A1695-A1702.	2.9	34
62	Enhancement of anticorrosion protection via inhibitor-loaded ZnAlCe-LDH nanocontainers embedded in solâ€“gel coatings. Journal of Coatings Technology Research, 2018, 15, 303-313.	2.5	32
63	Nanostructure and device architecture engineering for high-performance quantum-dot light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 10958-10981.	5.5	32
64	Macro/micro structure dependence of mechanical strength of low temperature sintered silicon carbide ceramic foams. Ceramics International, 2012, 38, 5223-5229.	4.8	31
65	Suicide gene-mediated ablation of tumor-initiating mouse pluripotent stem cells. Biomaterials, 2013, 34, 1701-1711.	11.4	31
66	Precipitation phenomena in Al-Zn-Mg alloy matrix composites reinforced with B4C particles. Scientific Reports, 2017, 7, 9589.	3.3	31
67	Cathode/electrolyte interface engineering via wet coating and hot pressing for all-solid-state lithium battery. Solid State Ionics, 2019, 330, 54-59.	2.7	31
68	Dual regulation of Li⁺ migration of Li_{6.4}La₃Zr_{1.4}M_{0.6}O₁₂ (MÂ=ÂSb, Ta, Nb) by bottleneck size and bond length of Mâ^'O. Journal of the American Ceramic Society, 2020, 103, 2483-2490.	3.8	29
69	Synthesis of Î± silicon nitride single-crystalline nanowires by nitriding cryomilled nanocrystalline silicon powder. Scripta Materialia, 2009, 60, 737-740.	5.2	28
70	Plasma nitrided titanium as a bipolar plate for proton exchange membrane fuel cell. Journal of Power Sources, 2009, 187, 500-504.	7.8	28
71	Afterglow phosphor materials Y2O2S: Eu, Mg, Ti doped with various Gd concentrations. Journal of Alloys and Compounds, 2010, 502, 180-183.	5.5	28
72	Tea polysaccharide inhibits RANKL-induced osteoclastogenesis in RAW264.7 cells and ameliorates ovariectomy-induced osteoporosis in rats. Biomedicine and Pharmacotherapy, 2018, 102, 539-548.	5.6	28

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73	Preparation of cubic Li7La3Zr2O12 solid electrolyte using a nano-sized coreâ€“shell structured precursor. Journal of Alloys and Compounds, 2015, 644, 793-798.	5.5	27
74	High strength retention and dimensional stability of silicone/alumina composite panel under fire. Fire and Materials, 2012, 36, 254-263.	2.0	26
75	Li+ transport channel size governing Li+ migration in garnet-based all-solid-state lithium batteries. Journal of Alloys and Compounds, 2018, 767, 899-904.	5.5	26
76	Effect of the lithium ion concentration on the lithium ion conductivity of Ga-doped LLZO. Materials Research Express, 2019, 6, 085546.	1.6	26
77	Preparation and Thermoelectric Properties of Bi-Doped Mg₂Si_{0.8}Sn_{0.2} Compound. Materials Transactions, 2010, 51, 288-291.	1.2	25
78	Spark Plasma Sintering and Densification Mechanisms of Conductive Ceramics under Coupled Thermal/Electric Fields. Journal of the American Ceramic Society, 2015, 98, 732-740.	3.8	25
79	Theabrownin suppresses in vitro osteoclastogenesis and prevents bone loss in ovariectomized rats. Biomedicine and Pharmacotherapy, 2018, 106, 1339-1347.	5.6	25
80	Ring fusion attenuates the device performance: star-shaped long helical perylene diimide based non-fullerene acceptors. Journal of Materials Chemistry C, 2019, 7, 9564-9572.	5.5	25
81	Seeded-mediated growth of ternary Agâ€“Inâ€“S and quaternary Agâ€“Inâ€“Znâ€“S nanocrystals from binary Ag₂S seeds and the composition-tunable optical properties. Journal of Materials Chemistry C, 2019, 7, 1307-1315.	5.5	24
82	The fate of cyanuric acid in biological wastewater treatment system and its impact on biological nutrient removal. Journal of Environmental Management, 2018, 206, 901-909.	7.8	24
83	Sulfide enhances the Fe(II)/Fe(III) cycle in Fe(III)-peroxymonosulfate system for rapid removal of organic contaminants: Treatment efficiency, kinetics and mechanism. Journal of Hazardous Materials, 2022, 435, 128970.	12.4	24
84	Pore structure control of starch processed silicon nitride porous ceramics with near-zero shrinkage. Materials Letters, 2011, 65, 1410-1412.	2.6	23
85	Designing Multiscale Porous Metal by Simple Dealloying with 3D Morphological Evolution Mechanism Revealed via X-ray Nano-tomography. ACS Applied Materials & Interfaces, 2020, 12, 2793-2804.	8.0	23
86	Microstructure and electrical property of aluminum doped zinc oxide ceramics by isolating current under spark plasma sintering. Journal of the European Ceramic Society, 2016, 36, 1953-1959.	5.7	22
87	Oxidation derivative of (-)-epigallocatechin-3-gallate (EGCG) inhibits RANKL-induced osteoclastogenesis by suppressing RANK signaling pathways in RAW 264.7 cells. Biomedicine and Pharmacotherapy, 2019, 118, 109237.	5.6	22
88	Peroxymonosulfate (PMS) activation by mackinawite for the degradation of organic pollutants: Underappreciated role of dissolved sulfur derivatives. Science of the Total Environment, 2022, 811, 151421.	8.0	22
89	Spark plasma sintering of Î±-Si3N4 ceramics with MgOâ€“AlPO4 as sintering additives. Materials Chemistry and Physics, 2008, 107, 67-71.	4.0	20
90	Fabrication of transparent conducting ATO films using the ATO sintered targets by pulsed laser deposition. Solar Energy Materials and Solar Cells, 2012, 105, 153-158.	6.2	20

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91	Cooperative Atom Motion in Niâ€“Cu Nanoparticles during the Structural Evolution and the Implication in the High-Temperature Catalyst Design. ACS Applied Energy Materials, 2019, 2, 8894-8902.	5.1	20
92	Low-temperature preparation of porous SiC ceramics using phosphoric acid as a pore-forming agent and a binder. Ceramics International, 2019, 45, 16470-16475.	4.8	20
93	Plasma activated synthesis and photoluminescence of red phosphor Sr2Si5N8:Eu2+. Journal of Alloys and Compounds, 2017, 720, 521-528.	5.5	20
94	Optimizing low loss negative index metamaterial for visible spectrum using differential evolution. Optics Express, 2011, 19, 11605.	3.4	19
95	Effect of post-annealing on the electrical conductivity of spark plasma sintered antimony-doped tin oxide (ATO) ceramics. Scripta Materialia, 2013, 68, 297-300.	5.2	19
96	Electronic and optical properties of Y-doped Si3N4 by density functional theory. Journal of Alloys and Compounds, 2015, 637, 376-381.	5.5	19
97	THE MICROSTRUCTURE DESIGN OPTIMIZATION OF NEGATIVE INDEX METAMATERIALS USING GENETIC ALGORITHM. Progress in Electromagnetics Research Letters, 2011, 22, 95-108.	0.7	18
98	Texture evolution and mechanical behavior of commercially pure Ti processed via pulsed electric current treatment. Journal of Materials Science, 2016, 51, 10608-10619.	3.7	17
99	Highly-efficient and all-solution-processed red-emitting InP/ZnS-based quantum-dot light-emitting diodes enabled by compositional engineering of electron transport layers. Journal of Materials Chemistry C, 2019, 7, 7636-7642.	5.5	17
100	Astragaloside IV Ameliorates Cognitive Impairment and Neuroinflammation in an Oligomeric AÎ² Induced Alzheimerâ€™s Disease Mouse Model <i>via</i> Inhibition of Microglial Activation and NADPH Oxidase Expression. Biological and Pharmaceutical Bulletin, 2021, 44, 1688-1696.	1.4	17
101	OPTIMAL DESIGN OF GRADED REFRACTIVE INDEX PROFILE FOR BROADBAND OMNIDIRECTIONAL ANTIREFLECTION COATINGS USING GENETIC PROGRAMMING. Progress in Electromagnetics Research, 2014, 145, 39-48.	4.4	16
102	Ellagic acid blocks RANKLâ€“RANK interaction and suppresses RANKL-induced osteoclastogenesis by inhibiting RANK signaling pathways. Chemico-Biological Interactions, 2020, 331, 109235.	4.0	16
103	Fabrication and mechanical behavior of porous Cu via chemical de-alloying of Cu25Fe75 alloys. Journal of Alloys and Compounds, 2016, 689, 6-14.	5.5	15
104	Communicationâ€”Li/Li₇La₃Zr₂O₁₂ Interfacial Modification by Constructing a Layer of Cu-Li Alloy. Journal of the Electrochemical Society, 2019, 166, A3028-A3030.	2.9	15
105	Synthesis and Pressureless Sintering of Zirconium Phosphate Ceramics. Journal of the American Ceramic Society, 2008, 91, 3173-3180.	3.8	14
106	Optimal design of light trapping in thin-film solar cells enhanced with graded SiN_x and SiO_xN_y structure. Optics Express, 2012, 20, 11121.	3.4	14
107	Interfacial bond dependence of damping properties of carbon nanotubes enhanced polymers. Polymer Composites, 2014, 35, 548-556.	4.6	14
108	Microstructure and mechanical behavior of NS/UFG aluminum prepared by cryomilling and spark plasma sintering. Journal of Alloys and Compounds, 2016, 679, 426-435.	5.5	14

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109	Synthesis of AA7075-AA7075/B4C bilayer composite with enhanced mechanical strength via plasma activated sintering. Journal of Alloys and Compounds, 2017, 701, 416-424.	5.5	14
110	Flameâ€retardant properties and synergistic effect of ammonium polyphosphate/aluminum hydroxide/mica/silicone rubber composites. Fire and Materials, 2020, 44, 673-682.	2.0	14
111	Discovery of novel dual c-Met/HDAC inhibitors as a promising strategy for cancer therapy. Bioorganic Chemistry, 2020, 101, 103970.	4.1	14
112	Enhanced power factor of textured Alâ€dopedâ€ZnO ceramics by fieldâ€assisted deforming. Journal of the American Ceramic Society, 2017, 100, 1300-1305.	3.8	13
113	Research on Stochastic Optimal Operation Strategy of Active Distribution Network Considering Intermittent Energy. Energies, 2017, 10, 522.	3.1	13
114	Superior crystallinity, optical and electrical properties of carbon doped ZnO:Al films at low-temperature deposition. Applied Surface Science, 2019, 483, 545-550.	6.1	13
115	S/MWCNt/LLZO composite electrode with eâ˜'/S/Li+ conductive network for all-solid -state Lithiumâ€“Sulfur batteries. Journal of Solid State Chemistry, 2021, 301, 122341.	2.9	13
116	Singlet oxygen-dominated electrocatalytic oxidation treatment for the high-salinity quaternary ammonium compound wastewater with Ti/(RuxIry)O2 anode. Environmental Research, 2022, 209, 112815.	7.5	13
117	Optimal structure of light trapping in thin-film solar cells: dielectric nanoparticles or multilayer antireflection coatings?. Applied Optics, 2014, 53, 5222.	1.8	12
118	Synthesis and photoluminescence of doped Si3N4 nanowires with various valence electron configurations. Journal of Materials Science, 2018, 53, 13573-13583.	3.7	12
119	Genomics: cracking the mysteries of walnuts. Journal of Genetics, 2019, 98, 1.	0.7	12
120	Sintering behavior in zirconium phosphate bonded silicon nitride porous ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 497, 495-500.	5.6	11
121	Low temperature sintering of Si₃N₄ceramics by spark plasma sintering technique. Advances in Applied Ceramics, 2011, 110, 20-24.	1.1	11
122	Enhancing thermal stability and photoluminescence of red-emitting Sr2Si5N8:Eu phosphors via boron doping. Journal of Materials Science and Technology, 2021, 94, 130-135.	10.7	11
123	Carbon nanotube-reinforced Al alloy-based nanocomposites via spark plasma sintering. Journal of Composite Materials, 2015, 49, 1937-1946.	2.4	10
124	Linking photoluminescence of Î±-Si3N4 to intrinsic point defects via band structure modelling. RSC Advances, 2016, 6, 7568-7574.	3.6	10
125	Effect of bottleneck size on lithium migration in lithium garnets Li7La3Zr2O12 (LLZO). Ionics, 2020, 26, 3193-3198.	2.4	10
126	Synthesis and photoluminescence of heavily La-doped Î±-Si3N4 nanowires via nitriding cyromilled nanocrystalline La-doped silicon powder. Journal of Luminescence, 2014, 151, 66-70.	3.1	9

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127	Band structures and optical properties of Al-doped Î±-Si 3 N 4 : theoretical and experimental studies. Ceramics International, 2016, 42, 3681-3686.	4.8	9
128	Graphene Nano-Platelets Reinforced ZrO₂ Consolidated by Spark Plasma Sintering. Science of Advanced Materials, 2016, 8, 312-317.	0.7	9
129	Liquid phase sintering (LPS) and dielectric constant of Î±-silicon nitride ceramic. Journal Wuhan University of Technology, Materials Science Edition, 2006, 21, 98-100.	1.0	8
130	Preparation of Silicon Nitride Multilayer Ceramic Radome Material and Optimal Design of the Wall Structure. AIP Conference Proceedings, 2008, , .	0.4	8
131	Spark Plasma Sintering and Densification Mechanisms of Antimony-Doped Tin Oxide Nanoceramics. Journal of Nanomaterials, 2013, 2013, 1-7.	2.7	8
132	Microstructure and Electrical Properties of AZO/Graphene Nanosheets Fabricated by Spark Plasma Sintering. Materials, 2016, 9, 638.	2.9	8
133	Tough TiB₂â€Based Ceramic Composites Using Metallic Glass Powder as the Sintering Aid. Advanced Engineering Materials, 2016, 18, 1936-1943.	3.5	8
134	Influencing mechanism and interaction of muscovite on thermal decomposition of ammonium polyphosphate. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 334-339.	1.0	8
135	Fabrication of carbon foams with high mechanical properties derived from sucrose/polyacrylamide hydrogel. Diamond and Related Materials, 2016, 64, 153-162.	3.9	8
136	Influence of Cr removal on the microstructure and mechanical behaviour of a high-entropy Al_{0.8}Ti_{0.2}CoNiFeCr alloy fabricated by powder metallurgy. Powder Metallurgy, 2018, 61, 106-114.	1.7	8
137	Influence of Porosity on Mechanical Behavior of Porous Cu Fabricated via De-Alloying of Cuâ€“Fe Alloy. Metals and Materials International, 2019, 25, 83-93.	3.4	8
138	Tribocorrosion behavior of Caâ€“P MAO coatings on Ti6Al4V alloy at various applied voltages. Journal of Materials Research, 2020, 35, 444-453.	2.6	8
139	3D Morphology of Bimodal Porous Copper with Nano-Sized and Micron-Sized Pores to Enhance Transport Properties for Functional Applications. ACS Applied Nano Materials, 2020, 3, 7524-7534.	5.0	8
140	Roburic Acid Targets TNF to Inhibit the NF-Î²B Signaling Pathway and Suppress Human Colorectal Cancer Cell Growth. Frontiers in Immunology, 2022, 13, 853165.	4.8	8
141	Crystal structure of cubic Li7-3xGaxLa3Zr2O12 with space group of I-43d. Ceramics International, 2022, 48, 9371-9377.	4.8	8
142	Light-trapping design of graphene transparent electrodes for efficient thin-film silicon solar cells. Applied Optics, 2012, 51, 6245.	1.8	7
143	Pressureless sintering of silicon nitride ceramics with porous gradient structure for gas filter application. International Journal of Materials and Product Technology, 2011, 42, 3.	0.2	6
144	Fabrication of Si<SUB align="right">3N<SUB align="right">4-based seal coating on porous Si<SUB align="right">3N<SUB align="right">4 ceramics. International Journal of Materials and Product Technology, 2011, 42, 12.	0.2	6

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145	Foaming of CNTs/PMMA Nanocomposite with Supercritical Carbon Dioxide. Key Engineering Materials, 2012, 508, 61-64.	0.4	6
146	Preparation and characterization of transparent Bi3.6Ho0.4Ti3O12/ZnO:Al ferroelectric-semiconductor heterostructure by pulsed laser deposition. Materials Letters, 2012, 79, 173-176.	2.6	6
147	Data of microstructure and mechanical properties of carbon foams derived from sucrose/polyacrylamide hydrogel. Data in Brief, 2016, 7, 117-122.	1.0	6
148	Preparation, characterization and electronic properties of fluorine-doped tin oxide films. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 48-51.	1.0	6
149	Chemical evolution of target surfaces during RF magnetron sputtering and its effect on the performance of TCO films. Applied Surface Science, 2019, 493, 665-672.	6.1	6
150	Improving the Interfacial Contact between Li₇La₃Zr₂O₁₂ and Lithium Anode by Depositing a Film of Silver. Journal of the Electrochemical Society, 2021, 168, 060515.	2.9	6
151	Plant regeneration via somatic embryogenesis of Elymus sibiricus cv. â€˜chuancao No. 2â€™. Plant Cell, Tissue and Organ Culture, 2006, 84, 285-292.	2.3	5
152	Fabrication of TZ-3Y20A/Mo multilayer composites by particle sedimentation method. Journal of Materials Processing Technology, 2008, 199, 37-40.	6.3	5
153	Optimizing low loss silver nanowires structure metamaterial at yellow light spectrum with differential evolution. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 252-256.	2.1	5
154	Surface passivation of nanocrystalline silicon powder derived from cryomilling. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 65-69.	1.0	5
155	Simplified Synthesis and Luminous Mechanism of Eu²⁺-Doped Î±-Si₃N₄ Nanowires with Strong Green Luminescent Properties. Key Engineering Materials, 0, 727, 635-641.	0.4	5
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