

Fei Chen

List of Publications by Year in descending order

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227
papers

8,007
citations

50170

46
h-index

58464

82
g-index

231
all docs

231
docs citations

231
times ranked

8542
citing authors

#	ARTICLE	IF	CITATIONS
1	Peroxydisulfate (PMS) activation by mackinawite for the degradation of organic pollutants: Underappreciated role of dissolved sulfur derivatives. <i>Science of the Total Environment</i> , 2022, 811, 151421.	3.9	22
2	Singlet oxygen-dominated electrocatalytic oxidation treatment for the high-salinity quaternary ammonium compound wastewater with Ti/(Ru)O ₂ anode. <i>Environmental Research</i> , 2022, 209, 112815.	3.7	13
3	Roburic Acid Targets TNF to Inhibit the NF- κ B Signaling Pathway and Suppress Human Colorectal Cancer Cell Growth. <i>Frontiers in Immunology</i> , 2022, 13, 853165.	2.2	8
4	Crystal structure of cubic Li _{7-3x} Ga _x La ₃ Zr ₂ O ₁₂ with space group of I-43d. <i>Ceramics International</i> , 2022, 48, 9371-9377.	2.3	8
5	Sulfide enhances the Fe(II)/Fe(III) cycle in Fe(III)-peroxydisulfate system for rapid removal of organic contaminants: Treatment efficiency, kinetics and mechanism. <i>Journal of Hazardous Materials</i> , 2022, 435, 128970.	6.5	24
6	All-solid-state lithium-sulfur batteries assembled by composite polymer electrolyte and amorphous sulfur/rGO composite cathode. <i>Solid State Ionics</i> , 2022, 380, 115926.	1.3	5
7	Astragaloside IV Ameliorates Cognitive Impairment and Neuroinflammation in an Oligomeric A β ² Induced Alzheimer's Disease Mouse Model & via Inhibition of Microglial Activation and NADPH Oxidase Expression. <i>Biological and Pharmaceutical Bulletin</i> , 2021, 44, 1688-1696.	0.6	17
8	Efficient decontamination of organic pollutants under high salinity conditions by a nonradical peroxydisulfate activation system. <i>Water Research</i> , 2021, 191, 116799.	5.3	259
9	Highly selective electrochemical nitrate reduction using copper phosphide self-supported copper foam electrode: Performance, mechanism, and application. <i>Water Research</i> , 2021, 193, 116881.	5.3	121
10	Free-standing In ₂ O ₃ (ZnO) _m superlattice microplates grown by optical vapor supersaturated precipitation. <i>Journal of Materials Science</i> , 2021, 56, 13723-13735.	1.7	2
11	Improving the Interfacial Contact between Li ₇ La ₃ Zr ₂ O ₁₂ and Lithium Anode by Depositing a Film of Silver. <i>Journal of the Electrochemical Society</i> , 2021, 168, 060515.	1.3	6
12	37.2: Invited Paper: Interfacial Engineering for Improving the Device Performance of Cadmium-Free Quantum Dot-based Electroluminescent Device. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 478-478.	0.1	0
13	Garnet-type solid electrolyte: Advances of ionic transport performance and its application in all-solid-state batteries. <i>Journal of Advanced Ceramics</i> , 2021, 10, 933-972.	8.9	64
14	S/MWCNT/LLZO composite electrode with e ⁻ /S/Li ⁺ conductive network for all-solid-state Lithium-Sulfur batteries. <i>Journal of Solid State Chemistry</i> , 2021, 301, 122341.	1.4	13
15	High utilization rate thermal batteries using PbCl ₂ as a cathode material. <i>Materials Letters</i> , 2021, 299, 130018.	1.3	4
16	From 0D to 3D: Dimensional Control of Bismuth for Potassium Storage with Superb Kinetics and Cycling Stability. <i>Advanced Energy Materials</i> , 2021, 11, 2102263.	10.2	38
17	Microstructural and diffusive properties of Cr solute in MgCl ₂ -NaCl-KCl eutectic: A First-Principles molecular dynamics study. <i>Journal of Molecular Liquids</i> , 2021, 341, 117321.	2.3	3
18	Enhancing thermal stability and photoluminescence of red-emitting Sr ₂ Si ₅ N ₈ :Eu phosphors via boron doping. <i>Journal of Materials Science and Technology</i> , 2021, 94, 130-135.	5.6	11

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19	Preparation and Electrochemical Properties of Bicontinuous Solid Electrolytes Derived from Porous $\text{Li}_{6.4}\text{La}_3\text{Zr}_{1.4}\text{Ta}_{0.6}\text{O}_{12}$ Incorporated with Succinonitrile. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110537.	1.3	0
20	Tribocorrosion behavior of Ca ^P MAO coatings on Ti6Al4V alloy at various applied voltages. <i>Journal of Materials Research</i> , 2020, 35, 444-453.	1.2	8
21	Dual regulation of Li^{+} migration of $\text{Li}_{6.4}\text{La}_3\text{Zr}_{1.4}\text{M}_{0.6}\text{O}_{12}$ ($\text{M}=\text{Sb, Ta, Nb}$) by bottleneck size and bond length of $\text{M}^{\text{II}}\text{O}$. <i>Journal of the American Ceramic Society</i> , 2020, 103, 2483-2490.	1.9	29
22	Designing Multiscale Porous Metal by Simple Dealloying with 3D Morphological Evolution Mechanism Revealed via X-ray Nano-tomography. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2793-2804.	4.0	23
23	Caffeine Targets G6PDH to Disrupt Redox Homeostasis and Inhibit Renal Cell Carcinoma Proliferation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 556162.	1.8	5
24	Introducing a cell moisturizer: organogel nano-beads with rapid response to electrolytes for Prussian white analogue based non-aqueous potassium ion battery. <i>Chemical Communications</i> , 2020, 56, 9719-9722.	2.2	4
25	Influence of electric current on microstructure and electrical property of Al-doped ZnO ceramic consolidated by spark plasma sintering. <i>Ceramics International</i> , 2020, 46, 26539-26547.	2.3	5
26	The Influence of Alkaline Earth Elements on Electronic Properties of Si_3N_4 via DFT Calculation. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 863-871.	0.4	4
27	Ellagic acid blocks RANKL-RANK interaction and suppresses RANKL-induced osteoclastogenesis by inhibiting RANK signaling pathways. <i>Chemico-Biological Interactions</i> , 2020, 331, 109235.	1.7	16
28	Effect of bottleneck size on lithium migration in lithium garnets $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ (LLZO). <i>Ionics</i> , 2020, 26, 3193-3198.	1.2	10
29	Hollow sphere structured $\text{V}_2\text{O}_3@C$ as an anode material for high capacity potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13261-13266.	5.2	45
30	Flame-retardant properties and synergistic effect of ammonium polyphosphate/aluminum hydroxide/mica/silicone rubber composites. <i>Fire and Materials</i> , 2020, 44, 673-682.	0.9	14
31	3D Morphology of Bimodal Porous Copper with Nano-Sized and Micron-Sized Pores to Enhance Transport Properties for Functional Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 7524-7534.	2.4	8
32	Blue quantum dot-based electroluminescent light-emitting diodes. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1340-1365.	3.2	40
33	Crystal structure and lithium ionic transport behavior of Li site doped $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3065-3071.	2.8	44
34	Fabrication and Mechanical Behavior of High-Porosity Bulk Bimodal Porous Cu Via Chemical De-alloying of Cu-Al Alloys. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 1051-1059.	1.2	3
35	Discovery of novel dual c-Met/HDAC inhibitors as a promising strategy for cancer therapy. <i>Bioorganic Chemistry</i> , 2020, 101, 103970.	2.0	14
36	Microstructural evolution and mechanical properties of $(\text{Mg,Co,Ni,Cu,Zn})\text{O}$ high-entropy ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2228-2237.	1.9	87

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37	Influence of Porosity on Mechanical Behavior of Porous Cu Fabricated via De-Alloying of Cu-Fe Alloy. <i>Metals and Materials International</i> , 2019, 25, 83-93.	1.8	8
38	Oxidation derivative of (-)-epigallocatechin-3-gallate (EGCG) inhibits RANKL-induced osteoclastogenesis by suppressing RANK signaling pathways in RAW 264.7 cells. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109237.	2.5	22
39	Microstructure and mechanical behavior of zirconia ceramics by graphene nano-platelets incorporation. <i>Materials Research Express</i> , 2019, 6, 095080.	0.8	1
40	Ring fusion attenuates the device performance: star-shaped long helical perylene diimide based non-fullerene acceptors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9564-9572.	2.7	25
41	Chemical evolution of target surfaces during RF magnetron sputtering and its effect on the performance of TCO films. <i>Applied Surface Science</i> , 2019, 493, 665-672.	3.1	6
42	Cooperative Atom Motion in Ni-Cu Nanoparticles during the Structural Evolution and the Implication in the High-Temperature Catalyst Design. <i>ACS Applied Energy Materials</i> , 2019, 2, 8894-8902.	2.5	20
43	Interactions between β -cyclodextrin and tea catechins, and potential anti-osteoclastogenesis activity of the β -epigallocatechin-3-gallate- β -cyclodextrin complex. <i>RSC Advances</i> , 2019, 9, 28006-28018.	1.7	5
44	Communication of Li ₇ La ₃ Zr ₂ O ₁₂ Interfacial Modification by Constructing a Layer of Cu-Li Alloy. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3028-A3030.	1.3	15
45	Competing with other polyanionic cathode materials for potassium-ion batteries via fine structure design: new layered KVOPO ₄ with a tailored particle morphology. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15244-15251.	5.2	72
46	Effect of the lithium ion concentration on the lithium ion conductivity of Ga-doped LLZO. <i>Materials Research Express</i> , 2019, 6, 085546.	0.8	26
47	Low-temperature preparation of porous SiC ceramics using phosphoric acid as a pore-forming agent and a binder. <i>Ceramics International</i> , 2019, 45, 16470-16475.	2.3	20
48	Highly-efficient and all-solution-processed red-emitting InP/ZnS-based quantum-dot light-emitting diodes enabled by compositional engineering of electron transport layers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7636-7642.	2.7	17
49	Genomics: cracking the mysteries of walnuts. <i>Journal of Genetics</i> , 2019, 98, 1.	0.4	12
50	Superior crystallinity, optical and electrical properties of carbon doped ZnO:Al films at low-temperature deposition. <i>Applied Surface Science</i> , 2019, 483, 545-550.	3.1	13
51	In situ formation of LiF decoration on a Li-rich material for long-cycle life and superb low-temperature performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11513-11519.	5.2	67
52	Indirect electrochemical reduction of nitrate in water using zero-valent titanium anode: Factors, kinetics, and mechanism. <i>Water Research</i> , 2019, 157, 191-200.	5.3	95
53	Effect of caffeine on ovariectomy-induced osteoporosis in rats. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108650.	2.5	35
54	Cathode/electrolyte interface engineering via wet coating and hot pressing for all-solid-state lithium battery. <i>Solid State Ionics</i> , 2019, 330, 54-59.	1.3	31

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55	Seeded-mediated growth of ternary Ag ⁺ In ³⁺ S and quaternary Ag ⁺ In ³⁺ Zn ²⁺ S nanocrystals from binary Ag ₂ S seeds and the composition-tunable optical properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1307-1315.	2.7	24
56	Synergistic regulation of garnet-type Ta-doped Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolyte by Li ⁺ concentration and Li ⁺ transport channel size. <i>Electrochimica Acta</i> , 2019, 296, 823-829.	2.6	59
57	Hydrated lanthanum oxide-modified diatomite as highly efficient adsorbent for low-concentration phosphate removal from secondary effluents. <i>Journal of Environmental Management</i> , 2019, 231, 370-379.	3.8	140
58	Facile synthesis of In ₂ S ₃ /UiO-66 composite with enhanced adsorption performance and photocatalytic activity for the removal of tetracycline under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 444-457.	5.0	120
59	Modeling, Preparation, and Elemental Doping of Li ₇ La ₃ Zr ₂ O ₁₂ Garnet-Type Solid Electrolytes: A Review. <i>Journal of the Korean Ceramic Society</i> , 2019, 56, 111-129.	1.1	50
60	Genomics: cracking the mysteries of walnuts. <i>Journal of Genetics</i> , 2019, 98, .	0.4	4
61	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 273-284.	5.0	552
62	Tea polysaccharide inhibits RANKL-induced osteoclastogenesis in RAW264.7 cells and ameliorates ovariectomy-induced osteoporosis in rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 102, 539-548.	2.5	28
63	Rational Design of Carbon-Doped Carbon Nitride/Bi ₁₂ O ₁₇ Cl ₂ Composites: A Promising Candidate Photocatalyst for Boosting Visible-Light-Driven Photocatalytic Degradation of Tetracycline. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6941-6949.	3.2	196
64	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. <i>Powder Metallurgy</i> , 2018, 61, 106-114.	0.9	8
65	Faradaically selective membrane for liquid metal displacement batteries. <i>Nature Energy</i> , 2018, 3, 127-131.	19.8	60
66	Understanding the impact of cationic polyacrylamide on anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2018, 130, 281-290.	5.3	156
67	Regulation mechanism of bottleneck size on Li ⁺ migration activation energy in garnet-type Li ₇ La ₃ Zr ₂ O ₁₂ . <i>Electrochimica Acta</i> , 2018, 261, 137-142.	2.6	37
68	Origin of the Phase Transition in Lithium Garnets. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1963-1972.	1.5	46
69	Synthesis and photoluminescence of ultra-pure ¹²⁵ Ge ₃ N ₄ nanowires. <i>Ceramics International</i> , 2018, 44, 10858-10862.	2.3	3
70	BiOX (X = Cl, Br, I) photocatalytic nanomaterials: Applications for fuels and environmental management. <i>Advances in Colloid and Interface Science</i> , 2018, 254, 76-93.	7.0	422
71	Effectiveness and mechanisms of phosphate adsorption on iron-modified biochars derived from waste activated sludge. <i>Bioresource Technology</i> , 2018, 247, 537-544.	4.8	297
72	Enhancement of anticorrosion protection via inhibitor-loaded ZnAlCe-LDH nanocontainers embedded in sol-gel coatings. <i>Journal of Coatings Technology Research</i> , 2018, 15, 303-313.	1.2	32

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73	Nanostructure and device architecture engineering for high-performance quantum-dot light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10958-10981.	2.7	32
74	All-Solid-State Lithium Battery Fitted with Polymer Electrolyte Enhanced by Solid Plasticizer and Conductive Ceramic Filler. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3558-A3565.	1.3	39
75	realDB: a genome and transcriptome resource for the red algae (phylum Rhodophyta). <i>Database: the Journal of Biological Databases and Curation</i> , 2018, 2018, .	1.4	4
76	MGH: a genome hub for the medicinal plant maca (<i>Lepidium meyenii</i>). <i>Database: the Journal of Biological Databases and Curation</i> , 2018, 2018, .	1.4	5
77	Sulfate radical induced degradation of Methyl Violet azo dye with CuFe layered doubled hydroxide as heterogeneous photoactivator of persulfate. <i>Journal of Environmental Management</i> , 2018, 227, 406-414.	3.8	77
78	Quantitative Analysis of Damping Enhancement and Piezoelectric Effect Mechanism of CNTs/PMN/EP Composites. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-7.	1.0	3
79	Free ammonia-based pretreatment enhances phosphorus release and recovery from waste activated sludge. <i>Chemosphere</i> , 2018, 213, 276-284.	4.2	70
80	High-performance Li _{6.4} La ₃ Zr _{1.4} Ta _{0.6} O ₁₂ /Poly(ethylene oxide)/Succinonitrile composite electrolyte for solid-state lithium batteries. <i>Journal of Power Sources</i> , 2018, 397, 87-94.	4.0	117
81	Electronically conductive porous TiN ceramics with enhanced strength by aqueous gel casting. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5309-5314.	1.9	5
82	Novel Star-Shaped Helical Perylene Diimide Electron Acceptors for Efficient Additive-Free Nonfullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27894-27901.	4.0	59
83	Li ⁺ transport channel size governing Li ⁺ migration in garnet-based all-solid-state lithium batteries. <i>Journal of Alloys and Compounds</i> , 2018, 767, 899-904.	2.8	26
84	Chloride-Passivated Mg-Doped ZnO Nanoparticles for Improving Performance of Cadmium-Free, Quantum-Dot Light-Emitting Diodes. <i>ACS Photonics</i> , 2018, 5, 3704-3711.	3.2	45
85	Synthesis and photoluminescence of doped Si ₃ N ₄ nanowires with various valence electron configurations. <i>Journal of Materials Science</i> , 2018, 53, 13573-13583.	1.7	12
86	Simulation and experimental research of hydraulic pressure and intake valve lift on a fully hydraulic variable valve system for a spark-ignition engine. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401877315.	0.8	3
87	Theabrownin suppresses in vitro osteoclastogenesis and prevents bone loss in ovariectomized rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 1339-1347.	2.5	25
88	Free nitrous acid promotes hydrogen production from dark fermentation of waste activated sludge. <i>Water Research</i> , 2018, 145, 113-124.	5.3	137
89	Influence of phase transformation on luminescence properties of CaSiN ₂ with Eu doping. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4689-4698.	1.9	2
90	Perchlorate bioreduction linked to methane oxidation in a membrane biofilm reactor: Performance and microbial community structure. <i>Journal of Hazardous Materials</i> , 2018, 357, 244-252.	6.5	36

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91	The fate of cyanuric acid in biological wastewater treatment system and its impact on biological nutrient removal. <i>Journal of Environmental Management</i> , 2018, 206, 901-909.	3.8	24
92	Synthesis of AA7075-AA7075/B4C bilayer composite with enhanced mechanical strength via plasma activated sintering. <i>Journal of Alloys and Compounds</i> , 2017, 701, 416-424.	2.8	14
93	Electronic, optical and mechanical properties of SrSi ₆ N ₈ and SrSi ₆ N ₈ O via first-principles. <i>RSC Advances</i> , 2017, 7, 8779-8785.	1.7	4
94	Is denitrifying anaerobic methane oxidation-centered technologies a solution for the sustainable operation of wastewater treatment Plants?. <i>Bioresource Technology</i> , 2017, 234, 456-465.	4.8	117
95	Enhanced power factor of textured Al-doped ZnO ceramics by field-assisted deforming. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1300-1305.	1.9	13
96	Effect of Mo ⁶⁺ Substitution on Microstructure and Lithium Ionic Conductivity of Garnet-Type Li ₇ La ₃ Zr ₂ O ₁₂ Solid Electrolytes by Field Assisted Sintering Technology. <i>Minerals, Metals and Materials Series</i> , 2017, , 115-123.	0.3	2
97	Potential impact of salinity on methane production from food waste anaerobic digestion. <i>Waste Management</i> , 2017, 67, 308-314.	3.7	123
98	High Capacity All-Solid-State Lithium Battery Using Cathodes with Three-Dimensional Li ⁺ Conductive Network. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1695-A1702.	1.3	34
99	Triclocarban enhances short-chain fatty acids production from anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2017, 127, 150-161.	5.3	150
100	Precipitation phenomena in Al-Zn-Mg alloy matrix composites reinforced with B4C particles. <i>Scientific Reports</i> , 2017, 7, 9589.	1.6	31
101	Evaluating the potential impact of hydrochar on the production of short-chain fatty acid from sludge anaerobic digestion. <i>Bioresource Technology</i> , 2017, 246, 234-241.	4.8	52
102	Understanding and mitigating the toxicity of cadmium to the anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2017, 124, 269-279.	5.3	157
103	Solid polymer electrolytes incorporating cubic Li ₇ La ₃ Zr ₂ O ₁₂ for all-solid-state lithium rechargeable batteries. <i>Electrochimica Acta</i> , 2017, 258, 1106-1114.	2.6	193
104	The behavior of melamine in biological wastewater treatment system. <i>Journal of Hazardous Materials</i> , 2017, 322, 445-453.	6.5	41
105	Effective adsorption/electrocatalytic degradation of perchlorate using Pd/Pt supported on N-doped activated carbon fiber cathode. <i>Journal of Hazardous Materials</i> , 2017, 323, 602-610.	6.5	50
106	Effect of nickel on the flocculability, settleability, and dewaterability of activated sludge. <i>Bioresource Technology</i> , 2017, 224, 188-196.	4.8	55
107	Research on Stochastic Optimal Operation Strategy of Active Distribution Network Considering Intermittent Energy. <i>Energies</i> , 2017, 10, 522.	1.6	13
108	Plasma activated synthesis and photoluminescence of red phosphor Sr ₂ Si ₅ N ₈ :Eu ²⁺ . <i>Journal of Alloys and Compounds</i> , 2017, 720, 521-528.	2.8	20

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109	Thermal Reaction and Phase Evolution of APP/Al(OH) ₃ /SiO ₂ . Key Engineering Materials, 2016, 680, 547-552.	0.4	0
110	Microstructure and Electrical Properties of AZO/Graphene Nanosheets Fabricated by Spark Plasma Sintering. Materials, 2016, 9, 638.	1.3	8
111	Microstructure and mechanical behavior of NS/UFG aluminum prepared by cryomilling and spark plasma sintering. Journal of Alloys and Compounds, 2016, 679, 426-435.	2.8	14
112	Fabrication and mechanical behavior of porous Cu via chemical de-alloying of Cu ₂₅ Fe ₇₅ alloys. Journal of Alloys and Compounds, 2016, 689, 6-14.	2.8	15
113	Tough TiB ₂ -Based Ceramic Composites Using Metallic Glass Powder as the Sintering Aid. Advanced Engineering Materials, 2016, 18, 1936-1943.	1.6	8
114	Yield symmetry and reduced strength differential in Mg-2.5Y alloy. Acta Materialia, 2016, 120, 75-85.	3.8	102
115	Influence of particle size and spatial distribution of B ₄ C 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.	2.6	89
116	Linking photoluminescence of Si ₃ N ₄ to intrinsic point defects via band structure modelling. RSC Advances, 2016, 6, 7568-7574.	1.7	10
117	Texture evolution and mechanical behavior of commercially pure Ti processed via pulsed electric current treatment. Journal of Materials Science, 2016, 51, 10608-10619.	1.7	17
118	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.	3.2	92
119	Enhanced Photocatalytic Degradation of Tetracycline by AgI/BiVO ₄ Heterojunction under Visible-Light Irradiation: Mineralization Efficiency and Mechanism. ACS Applied Materials & Interfaces, 2016, 8, 32887-32900.	4.0	407
120	Synthesis and luminescent properties of ternary SiGeN nanowires. CrystEngComm, 2016, 18, 8787-8793.	1.3	4
121	Effect of Sintering Aids on the Properties of Porous YAG Ceramics. Key Engineering Materials, 2016, 697, 178-181.	0.4	2
122	Comprehensive optimization of electrical and optical properties for ATO films prepared by pulsed laser deposition. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 20-26.	0.4	1
123	Data of microstructure and mechanical properties of carbon foams derived from sucrose/polyacrylamide hydrogel. Data in Brief, 2016, 7, 117-122.	0.5	6
124	Influencing mechanism and interaction of muscovite on thermal decomposition of ammonium polyphosphate. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 334-339.	0.4	8
125	Photo-reduction of bromate in drinking water by metallic Ag and reduced graphene oxide (RGO) jointly modified BiVO ₄ under visible light irradiation. Water Research, 2016, 101, 555-563.	5.3	170
126	Band structures and optical properties of Al-doped Si ₃ N ₄ : theoretical and experimental studies. Ceramics International, 2016, 42, 3681-3686.	2.3	9

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127	Microstructure and electrical property of aluminum doped zinc oxide ceramics by isolating current under spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1953-1959.	2.8	22
128	Fabrication of carbon foams with high mechanical properties derived from sucrose/polyacrylamide hydrogel. <i>Diamond and Related Materials</i> , 2016, 64, 153-162.	1.8	8
129	Preparation, characterization and electronic properties of fluorine-doped tin oxide films. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 48-51.	0.4	6
130	Fabrication and mechanical behavior of bulk nanoporous Cu via chemical de-alloying of Cu-Al alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 660, 241-250.	2.6	36
131	The ceramifying process and mechanical properties of silicone rubber/ ammonium polyphosphate/ aluminium hydroxide/ mica composites. <i>Polymer Degradation and Stability</i> , 2016, 126, 196-203.	2.7	56
132	Effect of lithium ion concentration on the microstructure evolution and its association with the ionic conductivity of cubic garnet-type nominal Li ₇ Al _{0.25} La ₃ Zr ₂ O ₁₂ solid electrolytes. <i>Solid State Ionics</i> , 2016, 284, 53-60.	1.3	60
133	Graphene Nano-Platelets Reinforced ZrO ₂ Consolidated by Spark Plasma Sintering. <i>Science of Advanced Materials</i> , 2016, 8, 312-317.	0.1	9
134	Field assisted sintering of graphene reinforced zirconia ceramics. <i>Ceramics International</i> , 2015, 41, 6113-6116.	2.3	48
135	Preparation of cubic Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolyte using a nano-sized core-shell structured precursor. <i>Journal of Alloys and Compounds</i> , 2015, 644, 793-798.	2.8	27
136	Microstructure and mechanical behavior of a novel Co ₂₀ Ni ₂₀ Fe ₂₀ Al ₂₀ Ti ₂₀ alloy fabricated by mechanical alloying and spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 644, 10-16.	2.6	46
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