

# Xin-mei Hou

## List of Publications by Year in descending order

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159  
papers

4,408  
citations

94269

37  
h-index

155451

55  
g-index

161  
all docs

161  
docs citations

161  
times ranked

4297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect and mechanism of nano-Ca <sub>10</sub> (PO <sub>4</sub> ) <sub>6</sub> (OH) <sub>2</sub> additive on compressive strength of calcium aluminate cement at high temperature. <i>Journal of Iron and Steel Research International</i> , 2022, 29, 1063-1072.	1.4	3
2	Mild fabrication of SiC/C nanosheets with prolonged cycling stability as supercapacitor. <i>Journal of Materials Science and Technology</i> , 2022, 110, 178-186.	5.6	39
3	Preparation of 2H/3Câ€“SiC heterojunction nanowires from molten salt method with blue shift photoluminescence property. <i>Ceramics International</i> , 2022, 48, 12971-12978.	2.3	13
4	Computational Discovery of the Qualitative Electronegativityâ€“Wettability Relationship in High-Temperature Ceramics-Supported TiAl Alloys. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2207-2213.	1.5	6
5	Effect of Sn doping concentration on the oxidation of Al-containing MAX phase (Ti <sub>3</sub> AlC <sub>2</sub> ) combining simulation with experiment. <i>Fundamental Research</i> , 2022, 2, 114-122.	1.6	19
6	Regulating the phase stability and bandgap of quasi-2D Dionâ€“Jacobson CsSn <sub>1-x</sub> Bi <sub>x</sub> perovskite via intercalating organic cations. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3996-4005.	5.2	8
7	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene)/Pt nanoparticle electrode for the accurate detection of DA coexisting with AA and UA. <i>Dalton Transactions</i> , 2022, 51, 4549-4559.	1.6	33
8	Performance of BaZrO <sub>3</sub> /Y <sub>2</sub> O <sub>3</sub> dual-phase refractory applied to TiAl alloy melting. <i>Ceramics International</i> , 2022, 48, 20158-20167.	2.3	7
9	New design concept for stable Î±-silicon nitride based on the initial oxidation evolution at the atomic and molecular levels. <i>Journal of Materials Science and Technology</i> , 2022, 122, 156-164.	5.6	7
10	Ultra-Stable and Durable Piezoelectric Nanogenerator with All-Weather Service Capability Based on NADoped 4H-SiC Nanohole Arrays. <i>Nano-Micro Letters</i> , 2022, 14, 30.	14.4	57
11	Preparation of Al <sub>4</sub> SiC <sub>4</sub> with higher aspect ratio by a novel two-step method. <i>Ceramics International</i> , 2022, 48, 23908-23913.	2.3	5
12	Progress in cognition of gas-solid interface reaction for non-oxide ceramics at high temperature. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2021, 46, 218-250.	6.8	38
13	The oxidation and thermal stability of two-dimensional transition metal carbides and/or carbonitrides (MXenes) and the improvement based on their surface state. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2164-2182.	3.0	56
14	Oxidation mechanism of MAX phases (Ti <sub>3</sub> AlC <sub>2</sub> powders) with and without Sn doping. <i>Corrosion Science</i> , 2021, 180, 109197.	3.0	32
15	Piezoelectric Nanogenerator Based on In Situ Growth Allâ€“inorganic CsPbBr <sub>3</sub> Perovskite Nanocrystals in PVDF Fibers with Longâ€“Term Stability. <i>Advanced Functional Materials</i> , 2021, 31, 2011073.	7.8	95
16	Preparation of Zr <sup>4+</sup> doped calcium hexaaluminate with improved slag penetration resistance. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4854-4866.	1.9	61
17	Piezoelectric nanogenerators with high performance against harsh conditions based on tunable N doped 4H-SiC nanowire arrays. <i>Nano Energy</i> , 2021, 83, 105826.	8.2	56
18	Firstâ€“Principles Optimization of Outâ€“ofâ€“Plane Charge Transport in Dionâ€“Jacobson CsPb <sub>1-x</sub> Bi <sub>x</sub> Perovskites with Î±-Conjugated Aromatic Spacers. <i>Advanced Functional Materials</i> , 2021, 31, 2102330.	7.8	51

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19	Review of electrochemical degradation of phenolic compounds. International Journal of Minerals, Metallurgy and Materials, 2021, 28, 1413-1428.	2.4	9
20	Linearly Tailored Work Function of Orthorhombic CsSn <sub>3</sub> Perovskites. ACS Energy Letters, 2021, 6, 2328-2335.	8.8	11
21	Tunable fabrication of single-crystalline CsPbI <sub>3</sub> nanobelts and their application as photodetectors. International Journal of Minerals, Metallurgy and Materials, 2021, 28, 1030-1037.	2.4	26
22	Effect of temperature on the initial reaction behavior of MAB phases (MoAlB powders) at 700â€“1000Â°C in air. Ceramics International, 2021, 47, 20700-20705.	2.3	19
23	In situ reduced MXene/AuNPs composite toward enhanced charging/discharging and specific capacitance. Journal of Advanced Ceramics, 2021, 10, 1061-1071.	8.9	78
24	Neodymium-decorated graphene as an efficient electrocatalyst for hydrogen production. Nanoscale, 2021, 13, 15471-15480.	2.8	6
25	Fabrication of Pd/CeO <sub>2</sub> nanocubes as highly efficient catalysts for degradation of formaldehyde at room temperature. Catalysis Science and Technology, 2021, 11, 6732-6741.	2.1	12
26	Stabilizing orthorhombic CsSn <sub>3</sub> perovskites with optimized electronic properties by surface ligands with inter-molecular hydrogen bond. Journal of Materials Chemistry A, 2021, 9, 24641-24649.	5.2	9
27	New approach to evaluate the influence of compressive stress on the oxidation of non-oxide ceramics. Ceramics International, 2021, 48, 2317-2317.	2.3	7
28	Understanding of Au-CeO <sub>2</sub> interface and its role in catalytic oxidation of formaldehyde. Applied Catalysis B: Environmental, 2020, 260, 118138.	10.8	88
29	Recent progress in SiC nanowires as electromagnetic microwaves absorbing materials. Journal of Alloys and Compounds, 2020, 815, 152388.	2.8	96
30	Construction of layered h-BN/TiO <sub>2</sub> hetero-structure and probing of the synergetic photocatalytic effect. Science China Materials, 2020, 63, 276-287.	3.5	39
31	A wide range photoluminescence intensity-based temperature sensor developed with BN quantum dots and the photoluminescence mechanism. Sensors and Actuators B: Chemical, 2020, 304, 127353.	4.0	16
32	Electrostatic interaction assisted synthesis of a CdS/BCN heterostructure with enhanced photocatalytic effects. Journal of Materials Chemistry C, 2020, 8, 1803-1810.	2.7	48
33	Tunable fabrication and photoluminescence property of SiC nanowires with different microstructures. Applied Surface Science, 2020, 506, 144979.	3.1	17
34	Ab initio calculation of the evolution of [SiN <sub>4</sub> â€“ <sub>n</sub> ]/O <sub>n</sub> tetrahedron during Si <sub>3</sub> N <sub>4</sub> (001) surface oxidation. Journal of the American Ceramic Society, 2020, 103, 2808-2816.	1.9	4
35	Organic intercalation engineering of quasi-2D Dionâ€“Jacobson Î±-CsPb <sub>3</sub> perovskites. Materials Horizons, 2020, 7, 1042-1050.	6.4	55
36	Characterization and mechanism of early hydration of calcium aluminate cement with anatase-TiO <sub>2</sub> nanospheres additive. Construction and Building Materials, 2020, 261, 119922.	3.2	18

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37	Enhancing the Stability of Orthorhombic CsSn <sub>3</sub> Perovskite <i>via</i> Oriented $\Gamma$ -Conjugated Ligand Passivation. ACS Applied Materials & Interfaces, 2020, 12, 34462-34469.	4.0	26
38	Effect of incorporation of nitrogen on calcium hexaaluminate. Journal of the European Ceramic Society, 2020, 40, 6155-6161.	2.8	38
39	Supercapacitor electrode based on few-layer h-BNNSs/rGO composite for wide-temperature-range operation with robust stable cycling performance. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 220-231.	2.4	24
40	High-performance chromite by structure stabilization treatment. Journal of Iron and Steel Research International, 2020, 27, 169-179.	1.4	6
41	Effectively controlling the crystal growth of Cr <sub>2</sub> O <sub>3</sub> using SiO <sub>2</sub> as the second phase. Journal of the American Ceramic Society, 2019, 102, 2187-2194.	1.9	7
42	Electrochemical detection mechanism of dopamine and uric acid on titanium nitride-reduced graphene oxide composite with and without ascorbic acid. Sensors and Actuators B: Chemical, 2019, 298, 126872.	4.0	92
43	A novel two-stage synthesis for 3C-SiC nanowires by carbothermic reduction and their photoluminescence properties. Journal of Materials Science, 2019, 54, 12450-12462.	1.7	18
44	Individual and Simultaneous Voltammetric Determination of Cd(II), Cu(II) and Pb(II) Applying Amino Functionalized Fe <sub>3</sub> O <sub>4</sub> @Carbon Microspheres Modified Electrode. Electroanalysis, 2019, 31, 1448-1457.	1.5	24
45	Bandgap alignment of $\Gamma$ -CsPbI <sub>3</sub> perovskites with synergistically enhanced stability and optical performance via B-site minor doping. Nano Energy, 2019, 61, 389-396.	8.2	67
46	Electron-beam irradiation-hard metal-halide perovskite nanocrystals. Journal of Materials Chemistry A, 2019, 7, 10912-10917.	5.2	30
47	Adsorption and Reaction of Water on the AlN(0001) Surface from First Principles. Journal of Physical Chemistry C, 2019, 123, 5460-5468.	1.5	17
48	Simultaneous determination of Cd(II) and Pb(II) using electrode modified by FeAl <sub>2</sub> O <sub>4</sub> -AlOOH-reduced graphene oxide hybrids. Ionics, 2019, 25, 2351-2360.	1.2	9
49	High-Performance SiC Nanobelt Photodetectors with Long-Term Stability Against 300 °C up to 180 Days. Advanced Functional Materials, 2019, 29, 1806250.	7.8	54
50	Preparation of high-purity $\Gamma$ -Si <sub>3</sub> N <sub>4</sub> nano-powder by precursor-carbothermal reduction and nitridation. Ceramics International, 2019, 45, 6335-6339.	2.3	10
51	Preparation, growth mechanism and slag resistance behavior of ternary Ca <sub>2</sub> Mg <sub>2</sub> Al <sub>28</sub> O <sub>46</sub> (C <sub>2</sub> M <sub>2</sub> A) <sub>11</sub> . Journal of Materials Research, 2019, 32, 1078-1084.	1.1	1
52	Efficient synergy of photocatalysis and adsorption of hexavalent chromium and rhodamine B over Al <sub>4</sub> SiC <sub>4</sub> /rGO hybrid photocatalyst under visible-light irradiation. Applied Catalysis B: Environmental, 2019, 241, 548-560.	10.8	79
53	Formation mechanism of elongated $\Gamma$ -Si <sub>3</sub> N <sub>4</sub> crystals in Fe-Si <sub>3</sub> N <sub>4</sub> composite via flash combustion. Ceramics International, 2018, 44, 9395-9400.	2.3	13
54	Formation mechanism of large size plate-like Al <sub>4</sub> SiC <sub>4</sub> grains by a carbothermal reduction method. CrystEngComm, 2018, 20, 1399-1404.	1.3	7

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55	Preparation of nano-TiO <sub>2</sub> /diatomite-based porous ceramics and their photocatalytic kinetics for formaldehyde degradation. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 73-79.	2.4	32
56	General Strategy for Rapid Production of Low-Dimensional All-Inorganic CsPbBr <sub>3</sub> Perovskite Nanocrystals with Controlled Dimensionalities and Sizes. <i>Inorganic Chemistry</i> , 2018, 57, 1598-1603.	1.9	48
57	Superior Photodetectors Based on All-Inorganic Perovskite CsPbI <sub>3</sub> Nanorods with Ultrafast Response and High Stability. <i>ACS Nano</i> , 2018, 12, 1611-1617.	7.3	210
58	Preparation of flake hexagonal BN and its application in electrochemical detection of ascorbic acid, dopamine and uric acid. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 346-356.	4.0	112
59	Facile fabrication of three-dimensional interconnected nanoporous N-TiO <sub>2</sub> for efficient photoelectrochemical water splitting. <i>Journal of Materials Science and Technology</i> , 2018, 34, 955-960.	5.6	50
60	Improvement of thermal shock performance by residual stress field toughening in periclase-hercynite refractories. <i>Ceramics International</i> , 2018, 44, 24-31.	2.3	10
61	The effect of nano- $\text{Al}_2\text{O}_3$ additive on early hydration of calcium aluminate cement. <i>Construction and Building Materials</i> , 2018, 158, 755-760.	3.2	43
62	Reply to "Comment on "Superior Photodetectors Based on All-Inorganic Perovskite CsPbI <sub>3</sub> Nanorods with Ultrafast Response and High Stability" ACS Nano, 2018, 12, 10571-10571.	7.3	2
63	Mass production of Mn <sup>2+</sup> -doped CsPbCl <sub>3</sub> perovskite nanocrystals with high quality and enhanced optical performance. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2641-2647.	3.0	30
64	Reaction and formation mechanism of Fe-Si <sub>3</sub> N <sub>4</sub> composite prepared by flash combustion synthesis. <i>Ceramics International</i> , 2018, 44, 22777-22783.	2.3	5
65	Effect of Temperature on the Initial Oxidation Behavior and Kinetics of 5Cr Ferritic Steel in Air. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 5169-5179.	1.1	7
66	Characterization of Flake Boron Nitride Prepared from the Low Temperature Combustion Synthesized Precursor and Its Application for Dye Adsorption. <i>Coatings</i> , 2018, 8, 214.	1.2	58
67	Wurtzite AlN(0001) Surface Oxidation: Hints from Ab Initio Calculations. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30811-30818.	4.0	30
68	Boron doping induced thermal conductivity enhancement of water-based 3C-Si(B)C nanofluids. <i>Nanotechnology</i> , 2018, 29, 355702.	1.3	2
69	Tunable preparation of chrysanthemum-like titanium nitride as flexible electrode materials for ultrafast-charging/discharging and excellent stable supercapacitors. <i>Journal of Power Sources</i> , 2018, 396, 319-326.	4.0	54
70	Corrosion behavior of porous silicon nitride ceramics in different atmospheres. <i>Ceramics International</i> , 2017, 43, 4344-4352.	2.3	24
71	Synergizing the multiple plasmon resonance coupling and quantum effects to obtain enhanced SERS and PEC performance simultaneously on a noble metal-semiconductor substrate. <i>Nanoscale</i> , 2017, 9, 2376-2384.	2.8	33
72	Fabrication and oxidation behavior of Al <sub>4</sub> SiC <sub>4</sub> powders. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3145-3154.	1.9	31

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73	Molten salt-enhanced production of hydrogen by using skimmed hot dross from aluminum remelting at high temperature. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12956-12966.	3.8	13
74	The effective determination of Cd( $\langle \text{sc} \rangle \text{ii} \langle \text{sc} \rangle$ ) and Pb( $\langle \text{sc} \rangle \text{ii} \langle \text{sc} \rangle$ ) simultaneously based on an aluminum silicon carbide-reduced graphene oxide nanocomposite electrode. <i>Analyst, The</i> , 2017, 142, 2741-2747.	1.7	28
75	Characterization and properties of rapid fabrication of network porous Si <sub>3</sub> N <sub>4</sub> ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 709, 717-723.	2.8	18
76	Improved microwave absorption performance of modified SiC in the 2–18 GHz frequency range. <i>CrystEngComm</i> , 2017, 19, 519-527.	1.3	63
77	Morphological Evolution of Low-Grade Silica Fume at Elevated Temperature. <i>High Temperature Materials and Processes</i> , 2017, 36, 607-613.	0.6	7
78	Simultaneously electrochemical detection of uric acid and ascorbic acid using glassy carbon electrode modified with chrysanthemum-like titanium nitride. <i>Journal of Electroanalytical Chemistry</i> , 2017, 803, 11-18.	1.9	44
79	Cadmium sulfide with tunable morphologies: Preparation and visible-light driven photocatalytic performance. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 93, 116-123.	1.3	45
80	Morphological evolution of porous silicon nitride ceramics at initial stage when exposed to water vapor. <i>Journal of Alloys and Compounds</i> , 2017, 725, 840-847.	2.8	23
81	Comparison of the Reaction Behavior of Hexagonal Silicon Carbide Powder in Different Atmospheres. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 5122-5131.	1.1	19
82	Microwave absorption properties of SiC@SiO <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> hybrids in the 2–18 GHz range. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2017, 24, 804-813.	2.4	34
83	Selective Determination of Copper (II) Based on Aluminum Silicon Carbide Nanoparticles Modified Glassy Carbon Electrode by Square Wave Stripping Voltammetry. <i>Electroanalysis</i> , 2017, 29, 2224-2231.	1.5	7
84	TiN @NiCo <sub>2</sub> O <sub>4</sub> coaxial nanowires as supercapacitor electrode materials with improved electrochemical and wide-temperature performance. <i>Journal of Alloys and Compounds</i> , 2017, 692, 605-613.	2.8	37
85	Synthesis of Al <sub>4</sub> SiC <sub>4</sub> powders via carbothermic reduction: Reaction and grain growth mechanisms. <i>Journal of Advanced Ceramics</i> , 2017, 6, 351-359.	8.9	22
86	The morphological evolution of the oxide products of Si <sub>3</sub> N <sub>4</sub> /Al <sub>2</sub> O <sub>3</sub> composite refractory under different oxidizing conditions. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 661-669.	0.5	2
87	Pt-Co Alloys-Loaded Cubic SiC Electrode with Improved Photoelectrocatalysis Property. <i>Materials</i> , 2017, 10, 955.	1.3	8
88	Oxidation Behavior and Mechanism of Al <sub>4</sub> SiC <sub>4</sub> in MgO-C-Al <sub>4</sub> SiC <sub>4</sub> System. <i>Coatings</i> , 2017, 7, 85.	1.2	10
89	New Perspectives on the Gas–Solid Reaction of $\hat{\text{I}}\hat{\text{a}}\hat{\text{e}}\text{Si}_{3}\text{N}_{4}$ Powder in Wet Air at High Temperature. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2699-2705.	1.9	22
90	Some New Perspective on the Reaction Mechanism of MgO–SiO <sub>2</sub> –H <sub>2</sub> O System. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 1164-1172.	1.1	18

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91	Evolution of aluminum hydroxides at the initial stage of aluminum nitride powder hydrolysis. <i>Ceramics International</i> , 2016, 42, 11429-11434.	2.3	20
92	An amperometric glucose enzyme biosensor based on porous hexagonal boron nitride whiskers decorated with Pt nanoparticles. <i>RSC Advances</i> , 2016, 6, 92748-92753.	1.7	16
93	Enhancing photoluminescence properties of SiC/SiO <sub>2</sub> coaxial nanocables by making oxygen vacancies. <i>Dalton Transactions</i> , 2016, 45, 13503-13508.	1.6	32
94	Improvement in surface-enhanced Raman spectroscopy from cubic SiC semiconductor nanowhiskers by adjustment of energy levels. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27572-27576.	1.3	9
95	Thermal and transport properties of La <sup>x</sup> NdxMo <sub>2</sub> O <sub>9</sub> . <i>Journal of Rare Earths</i> , 2016, 34, 1024-1031.	2.5	2
96	Bare and boron-doped cubic silicon carbide nanowires for electrochemical detection of nitrite sensitively. <i>Scientific Reports</i> , 2016, 6, 24872.	1.6	34
97	Single crystalline 3C-SiC whiskers used for electrochemical detection of nitrite under neutral condition. <i>Ionics</i> , 2016, 22, 1493-1500.	1.2	34
98	SiC Nanowires with Tunable Hydrophobicity/Hydrophilicity and Their Application as Nanofluids. <i>Langmuir</i> , 2016, 32, 5909-5916.	1.6	23
99	A titanium nitride nanotube array for potentiometric sensing of pH. <i>Analyst</i> , The, 2016, 141, 1693-1699.	1.7	8
100	Isothermal oxidation mechanism of a newly developed Nb-Ti-V-Cr-Al-W-Mo-Hf alloy at 800-1200 °C. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016, 54, 322-329.	1.7	48
101	Preparation of hexagonal BN whiskers synthesized at low temperature and their application in fabricating an electrochemical nitrite sensor. <i>RSC Advances</i> , 2016, 6, 27767-27774.	1.7	31
102	Controllable Preparation of Al <sub>2</sub> O <sub>3</sub> -MgO-Al <sub>2</sub> O <sub>3</sub> -CaO-6Al <sub>2</sub> O <sub>3</sub> (AMC) Composite with Improved Slag Penetration Resistance. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 33-40.	1.1	16
103	Phase Equilibria Studies in the SiO <sub>2</sub> -K <sub>2</sub> O-CaO System. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016, 47, 1690-1696.	1.0	17
104	The Reaction Behavior of AlN Powder in Wet Air Between 1573K and 1773K. <i>Jom</i> , 2016, 68, 675-681.	0.9	4
105	Fabrication and characterization of ultra light SiC whiskers decorated by RuO <sub>2</sub> nanoparticles as hybrid supercapacitors. <i>RSC Advances</i> , 2016, 6, 19626-19631.	1.7	5
106	Porous hexagonal boron nitride whiskers fabricated at low temperature for effective removal of organic pollutants from water. <i>Ceramics International</i> , 2016, 42, 8754-8762.	2.3	53
107	Effect of SiO <sub>2</sub> addition on the synthesis of hercynite with high purity. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 595-600.	0.5	5
108	Effect of TiO <sub>2</sub> Addition on Crystallization Characteristics of CaO-Al <sub>2</sub> O <sub>3</sub> -based Mould Fluxes for High Al Steel Casting. <i>ISIJ International</i> , 2015, 55, 830-836.	0.6	33

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109	Characterization and properties of silicon carbide fibers with self-standing membrane structure. <i>Journal of Alloys and Compounds</i> , 2015, 649, 135-141.	2.8	8
110	Isothermal oxidation mechanism of Nb-Ti-V-Al-Zr alloy at 700-1200°C: Diffusion and interface reaction. <i>Corrosion Science</i> , 2015, 96, 186-195.	3.0	60
111	Fabrication of Ordered Mullite Nanowhisker Array with Surface Enhanced Raman Scattering Effect. <i>Scientific Reports</i> , 2015, 5, 9690.	1.6	10
112	Template free synthesis of highly ordered mullite nanowhiskers with exceptional photoluminescence. <i>Ceramics International</i> , 2015, 41, 9560-9566.	2.3	13
113	The Reaction Behavior of $\pm$ -Si <sub>3</sub> N <sub>4</sub> Powder at 1100-1500°C Under Different Oxidizing Conditions. <i>Oxidation of Metals</i> , 2015, 84, 169-184.	1.0	8
114	The Effect of Water Vapor and Temperature on the Reaction Behavior of AlN Powder at 1273K to 1423K (1000°C to 1150°C). <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 1621-1627.	1.1	6
115	B-doped 3C-SiC nanowires with a finned microstructure for efficient visible light-driven photocatalytic hydrogen production. <i>Nanoscale</i> , 2015, 7, 8955-8961.	2.8	80
116	Preparation of TiO <sub>x</sub> N <sub>y</sub> /TiN composites for photocatalytic hydrogen evolution under visible light. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28782-28788.	1.3	47
117	Large scale fabrication of dumbbell-shaped biomimetic SiC/SiO <sub>2</sub> fibers. <i>CrystEngComm</i> , 2015, 17, 9318-9322.	1.3	12
118	Characterization of modified SiC@SiO <sub>2</sub> nanocables/MnO <sub>2</sub> and their potential application as hybrid electrodes for supercapacitors. <i>Dalton Transactions</i> , 2015, 44, 19974-19982.	1.6	22
119	Molten salt synthesis of mullite nanowhiskers using different silica sources. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 884-891.	2.4	13
120	Morphology characterization of periclase-hercynite refractories by reaction sintering. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 1219-1224.	2.4	14
121	Study on CO <sub>2</sub> gasification properties and kinetics of biomass chars and anthracite char. <i>Bioresource Technology</i> , 2015, 177, 66-73.	4.8	161
122	Morphology-controlled Synthesis of Hexagonal AlN Whiskers by Direct Nitridation of Aluminum and Alumina Mixture. <i>High Temperature Materials and Processes</i> , 2014, 33, 385-389.	0.6	2
123	Synthesis parameter dependence of the electrochemical performance of solvothermally synthesized Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> . <i>Materials for Renewable and Sustainable Energy</i> , 2014, 3, 1.	1.5	7
124	Synthesis of titanium nitride nanopowder at low temperature from the combustion synthesized precursor and the thermal stability. <i>Journal of Alloys and Compounds</i> , 2014, 615, 838-842.	2.8	17
125	A Facile Synthesis of a Three-Dimensional Flexible 3C-SiC Sponge and Its Wettability. <i>Crystal Growth and Design</i> , 2014, 14, 4624-4630.	1.4	48
126	Dissolution and diffusion of TiO <sub>2</sub> in the CaO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> slag. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014, 21, 345-352.	2.4	13



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127	Preparation and properties of hexagonal boron nitride fibers used as high temperature membrane filter. <i>Materials Research Bulletin</i> , 2014, 49, 39-43.	2.7	35
128	Oxidation kinetics of TiN-containing composites. <i>Ceramics International</i> , 2014, 40, 961-966.	2.3	10
129	Facile synthesis of hexagonal boron nitride fibers with uniform morphology. <i>Ceramics International</i> , 2013, 39, 6427-6431.	2.3	29
130	Preparation and photo-catalytic activity of TiO <sub>2</sub> -coated medical stone-based porous ceramics. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013, 20, 593-597.	2.4	7
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