Xin-mei Hou

List of Publications by Year
in descending order

159	4,408	94269	155451
papers	citations	37 h-index	55 g-index

161	161	161	4297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Superior Photodetectors Based on All-Inorganic Perovskite CsPbI₃ Nanorods with Ultrafast Response and High Stability. ACS Nano, 2018, 12, 1611-1617.	7.3	210
2	Study on CO2 gasification properties and kinetics of biomass chars and anthracite char. Bioresource Technology, 2015, 177, 66-73.	4.8	161
3	Preparation of flake hexagonal BN and its application in electrochemical detection of ascorbic acid, dopamine and uric acid. Sensors and Actuators B: Chemical, 2018, 260, 346-356.	4.0	112
4	Recent progress in SiC nanowires as electromagnetic microwaves absorbing materials. Journal of Alloys and Compounds, 2020, 815, 152388.	2.8	96
5	Piezoelectric Nanogenerator Based on In Situ Growth Allâ€Inorganic CsPbBr₃ Perovskite Nanocrystals in PVDF Fibers with Longâ€Term Stability. Advanced Functional Materials, 2021, 31, 2011073.	7.8	95
6	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
7	Understanding of Au-CeO2 interface and its role in catalytic oxidation of formaldehyde. Applied Catalysis B: Environmental, 2020, 260, 118138.	10.8	88
8	B-doped 3C-SiC nanowires with a finned microstructure for efficient visible light-driven photocatalytic hydrogen production. Nanoscale, 2015, 7, 8955-8961.	2.8	80
9	Efficient synergy of photocatalysis and adsorption of hexavalent chromium and rhodamine B over Al4SiC4/rGO hybrid photocatalyst under visible-light irradiation. Applied Catalysis B: Environmental, 2019, 241, 548-560.	10.8	79
10	In situ reduced MXene/AuNPs composite toward enhanced charging/discharging and specific capacitance. Journal of Advanced Ceramics, 2021, 10, 1061-1071.	8.9	78
11	Bandgap alignment of Î±-CsPbI3 perovskites with synergistically enhanced stability and optical performance via B-site minor doping. Nano Energy, 2019, 61, 389-396.	8.2	67
12	Improved microwave absorption performance of modified SiC in the 2â€“18 GHz frequency range. CrystEngComm, 2017, 19, 519-527.	1.3	63
13	Kinetics of Highâ€Temperature Oxidation of Inorganic Nonmetallic Materials. Journal of the American Ceramic Society, 2009, 92, 585-594.	1.9	61
14	Preparation of Zr⁴⁺ doped calcium hexaaluminate with improved slag penetration resistance. Journal of the American Ceramic Society, 2021, 104, 4854-4866.	1.9	61
15	Isothermal oxidation mechanism of Nbâ€“Tiâ€“Vâ€“Alâ€“Zr alloy at 700â€“1200Â°C: Diffusion and interface reaction. Corrosion Science, 2015, 96, 186-195.	3.0	60
16	Characterization of Flake Boron Nitride Prepared from the Low Temperature Combustion Synthesized Precursor and Its Application for Dye Adsorption. Coatings, 2018, 8, 214.	1.2	58
17	Ultra-Stable and Durable Piezoelectric Nanogenerator with All-Weather Service Capability Based on NÂDoped 4H-SiC Nanohole Arrays. Nano-Micro Letters, 2022, 14, 30.	14.4	57
18	The oxidation and thermal stability of two-dimensional transition metal carbides and/or carbonitrides (MXenes) and the improvement based on their surface state. Inorganic Chemistry Frontiers, 2021, 8, 2164-2182.	3.0	56

#	Article	IF	Citations
19	Piezoelectric nanogenerators with high performance against harsh conditions based on tunable N doped 4H-SiC nanowire arrays. Nano Energy, 2021, 83, 105826.	8.2	56
20	Organic intercalation engineering of quasi-2D Dionâ€“Jacobson Î±-CsPbI₃ perovskites. Materials Horizons, 2020, 7, 1042-1050.	6.4	55
21	Tunable preparation of chrysanthemum-like titanium nitride as flexible electrode materials for ultrafast-charging/discharging and excellent stable supercapacitors. Journal of Power Sources, 2018, 396, 319-326.	4.0	54
22	Highâ€Performance SiC Nanobelt Photodetectors with Longâ€Term Stability Against 300 Â°C up to 180 Days. Advanced Functional Materials, 2019, 29, 1806250.	7.8	54
23	Porous hexagonal boron nitride whiskers fabricated at low temperature for effective removal of organic pollutants from water. Ceramics International, 2016, 42, 8754-8762.	2.3	53
24	Firstâ€Principles Optimization of Outâ€ofâ€Plane Charge Transport in Dionâ€“Jacobson CsPbI₃ Perovskites with Ï€â€Conjugated Aromatic Spacers. Advanced Functional Materials, 2021, 31, 2102330.	7.8	51
25	Facile fabrication of three-dimensional interconnected nanoporous N-TiO 2 for efficient photoelectrochemical water splitting. Journal of Materials Science and Technology, 2018, 34, 955-960.	5.6	50
26	A simple model for the oxidation of carbon-containing composites. Corrosion Science, 2010, 52, 1093-1097.	3.0	48
27	A Facile Synthesis of a Three-Dimensional Flexible 3C-SiC Sponge and Its Wettability. Crystal Growth and Design, 2014, 14, 4624-4630.	1.4	48
28	Isothermal oxidation mechanism of a newly developed Nbâ€“Tiâ€“Vâ€“Crâ€“Alâ€“Wâ€“Moâ€“Hf alloy at 800â€“1200 Â°C. International Journal of Refractory Metals and Hard Materials, 2016, 54, 322-329.	1.7	48
29	General Strategy for Rapid Production of Low-Dimensional All-Inorganic CsPbBr₃ Perovskite Nanocrystals with Controlled Dimensionalities and Sizes. Inorganic Chemistry, 2018, 57, 1598-1603.	1.9	48
30	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
31	Preparation of TiO_xN_y/TiN composites for photocatalytic hydrogen evolution under visible light. Physical Chemistry Chemical Physics, 2015, 17, 28782-28788.	1.3	47
32	Cadmium sulfide with tunable morphologies: Preparation and visible-light driven photocatalytic performance. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 93, 116-123.	1.3	45
33	Simultaneously electrochemical detection of uric acid and ascorbic acid using glassy carbon electrode modified with chrysanthemum-like titanium nitride. Journal of Electroanalytical Chemistry, 2017, 803, 11-18.	1.9	44
34	The effect of nano-Î³Al 2 O 3 additive on early hydration of calcium aluminate cement. Construction and Building Materials, 2018, 158, 755-760.	3.2	43
35	A new measurement and treatment for kinetics of isothermal oxidation of Si3N4. Journal of Alloys and Compounds, 2008, 459, 123-129.	2.8	42
36	Construction of layered h-BN/TiO2 hetero-structure and probing of the synergetic photocatalytic effect. Science China Materials, 2020, 63, 276-287.	3.5	39

#	Article	IF	Citations
37	Mild fabrication of SiC/C nanosheets with prolonged cycling stability as supercapacitor. Journal of Materials Science and Technology, 2022, 110, 178-186.	5.6	39
38	Effect of incorporation of nitrogen on calcium hexaaluminate. Journal of the European Ceramic Society, 2020, 40, 6155-6161.	2.8	38
39	Progress in cognition of gas-solid interface reaction for non-oxide ceramics at high temperature. Critical Reviews in Solid State and Materials Sciences, 2021, 46, 218-250.	6.8	38
40	TiN @NiCo2O4 coaxial nanowires as supercapacitor electrode materials with improved electrochemical and wide-temperature performance. Journal of Alloys and Compounds, 2017, 692, 605-613.	2.8	37
41	Model of oxidation of SiC microparticles at high temperature. Corrosion Science, 2008, 50, 2367-2371.	3.0	36
42	Preparation and properties of hexagonal boron nitride fibers used as high temperature membrane filter. Materials Research Bulletin, 2014, 49, 39-43.	2.7	35
43	Bare and boron-doped cubic silicon carbide nanowires for electrochemical detection of nitrite sensitively. Scientific Reports, 2016, 6, 24872.	1.6	34
44	Single crystalline 3C-SiC whiskers used for electrochemical detection of nitrite under neutral condition. Ionics, 2016, 22, 1493-1500.	1.2	34
45	Microwave absorption properties of SiC@SiO2@Fe3O4 hybrids in the 2â€“18 GHz range. International Journal of Minerals, Metallurgy and Materials, 2017, 24, 804-813.	2.4	34
46	Effect of TiO₂ Addition on Crystallization Characteristics of CaO-Al₂O₃-based Mould Fluxes for High Al Steel Casting. ISIJ International, 2015, 55, 830-836.	0.6	33
47	Synergizing the multiple plasmon resonance coupling and quantum effects to obtain enhanced SERS and PEC performance simultaneously on a noble metalâ€“semiconductor substrate. Nanoscale, 2017, 9, 2376-2384.	2.8	33
48	Ti₃C₂T_x (MXene)/Pt nanoparticle electrode for the accurate detection of DA coexisting with AA and UA. Dalton Transactions, 2022, 51, 4549-4559.	1.6	33
49	Enhancing photoluminescence properties of SiC/SiO₂ coaxial nanocables by making oxygen vacancies. Dalton Transactions, 2016, 45, 13503-13508.	1.6	32
50	Preparation of nano-TiO2/diatomite-based porous ceramics and their photocatalytic kinetics for formaldehyde degradation. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 73-79.	2.4	32
51	Oxidation mechanism of MAX phases (Ti3AlC2 powders) with and without Sn doping. Corrosion Science, 2021, 180, 109197.	3.0	32
52	Oxidation kinetics of aluminum nitride at different oxidizing atmosphere. Journal of Alloys and Compounds, 2008, 465, 90-96.	2.8	31
53	Preparation of hexagonal BN whiskers synthesized at low temperature and their application in fabricating an electrochemical nitrite sensor. RSC Advances, 2016, 6, 27767-27774.	1.7	31
54	Fabrication and oxidation behavior of Al₄SiC₄ powders. Journal of the American Ceramic Society, 2017, 100, 3145-3154.	1.9	31

#	Article	IF	Citations
55	Mass production of Mn²⁺-doped CsPbCl₃ perovskite nanocrystals with high quality and enhanced optical performance. Inorganic Chemistry Frontiers, 2018, 5, 2641-2647.	3.0	30
56	Wurtzite AlN(0001) Surface Oxidation: Hints from Ab Initio Calculations. ACS Applied Materials & Interfaces, 2018, 10, 30811-30818.	4.0	30
57	Electron-beam irradiation-hard metal-halide perovskite nanocrystals. Journal of Materials Chemistry A, 2019, 7, 10912-10917.	5.2	30
58	A new treatment for kinetics of oxidation of silicon carbide. Ceramics International, 2009, 35, 603-607.	2.3	29
59	Facile synthesis of hexagonal boron nitride fibers with uniform morphology. Ceramics International, 2013, 39, 6427-6431.	2.3	29
60	The effective determination of Cd(<scp>ii</scp>) and Pb(<scp>ii</scp>) simultaneously based on an aluminum silicon carbide-reduced graphene oxide nanocomposite electrode. Analyst, The, 2017, 142, 2741-2747.	1.7	28
61	Enhancing the Stability of Orthorhombic CsSnI₃ Perovskite via Oriented Ï€-Conjugated Ligand Passivation. ACS Applied Materials & Interfaces, 2020, 12, 34462-34469.	4.0	26
62	Tunable fabrication of single-crystalline CsPbI3 nanobelts and their application as photodetectors. International Journal of Minerals, Metallurgy and Materials, 2021, 28, 1030-1037.	2.4	26
63	Influence of particle size distribution on oxidation behavior of SiC powder. Journal of Alloys and Compounds, 2009, 477, 166-170.	2.8	24
64	Corrosion behavior of porous silicon nitride ceramics in different atmospheres. Ceramics International, 2017, 43, 4344-4352.	2.3	24
65	Individual and Simultaneous Voltammetric Determination of Cd(II), Cu(II) and Pb(II) Applying Amino Functionalized Fe₃O₄@Carbon Microspheres Modified Electrode. Electroanalysis, 2019, 31, 1448-1457.	1.5	24
66	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
67	SiC Nanowires with Tunable Hydrophobicity/Hydrophilicity and Their Application as Nanofluids. Langmuir, 2016, 32, 5909-5916.	1.6	23
68	Morphological evolution of porous silicon nitride ceramics at initial stage when exposed to water vapor. Journal of Alloys and Compounds, 2017, 725, 840-847.	2.8	23
69	Characterization of modified SiC@SiO₂ nanocables/MnO₂ and their potential application as hybrid electrodes for supercapacitors. Dalton Transactions, 2015, 44, 19974-19982.	1.6	22
70	New Perspectives on the Gasâ€“Solid Reaction of Î±â€Si₃N₄ Powder in Wet Air at High Temperature. Journal of the American Ceramic Society, 2016, 99, 2699-2705.	1.9	22
71	Synthesis of Al4SiC4 powders via carbothermic reduction: Reaction and grain growth mechanisms. Journal of Advanced Ceramics, 2017, 6, 351-359.	8.9	22
72	Comparison of the Diffusion Control Models for Isothermal Oxidation of SiAlON Powders. Journal of the American Ceramic Society, 2008, 91, 3315-3319.	1.9	20

#	Article	IF	Citations
73	Evolution of aluminum hydroxides at the initial stage of aluminum nitride powder hydrolysis. Ceramics International, 2016, 42, 11429-11434.	2.3	20
74	The Reaction Mechanism and Kinetics of Î±â€‹scp›BN‹/scp› Powder in Wet Air at 1273ÂK. Journal of the American Ceramic Society, 2013, 96, 1877-1882.	1.9	20
75	Comparison of the Reaction Behavior of Hexagonal Silicon Carbide Powder in Different Atmospheres. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 5122-5131.	1.1	19
76	Effect of temperature on the initial reaction behavior of MAB phases (MoAlB powders) at 700â€“1000ÂÂ°C in air. Ceramics International, 2021, 47, 20700-20705.	2.3	19
77	Effect of Sn doping concentration on the oxidation of Al-containing MAX phase (Ti3AlC2) combining simulation with experiment. Fundamental Research, 2022, 2, 114-122.	1.6	19
78	Quantitative investigation of oxidation behavior of boron carbide powders in air. Journal of Alloys and Compounds, 2013, 573, 182-186.	2.8	18
79	Some New Perspective on the Reaction Mechanism of MgOâ€“SiO‹sub›2‹/sub›â€“H‹sub›2‹/sub›O System. International Journal of Applied Ceramic Technology, 2016, 13, 1164-1172.	1.1	18
80	Characterization and properties of rapid fabrication of network porous Si 3 N 4 ceramics. Journal of Alloys and Compounds, 2017, 709, 717-723.	2.8	18
81	A novel two-stage synthesis for 3Câ€“SiC nanowires by carbothermic reduction and their photoluminescence properties. Journal of Materials Science, 2019, 54, 12450-12462.	1.7	18
82	Characterization and mechanism of early hydration of calcium aluminate cement with anatase-TiO2 nanospheres additive. Construction and Building Materials, 2020, 261, 119922.	3.2	18
83	Kinetics of Reduction of Titano-magnetite Powder by H2. High Temperature Materials and Processes, 2013, 32, 229-236.	0.6	17
84	Synthesis of titanium nitride nanopowder at low temperature from the combustion synthesized precursor and the thermal stability. Journal of Alloys and Compounds, 2014, 615, 838-842.	2.8	17
85	Phase Equilibria Studies in the SiO2-K2O-CaO System. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 1690-1696.	1.0	17
86	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
87	Tunable fabrication and photoluminescence property of SiC nanowires with different microstructures. Applied Surface Science, 2020, 506, 144979.	3.1	17
88	The oxidation kinetics of multi-walled carbon nanotubes. Corrosion Science, 2010, 52, 1771-1776.	3.0	16
89	Morphological development and oxidation of elongated Î²-SiAlON material. Corrosion Science, 2011, 53, 2051-2057.	3.0	16
90	An amperometric glucose enzyme biosensor based on porous hexagonal boron nitride whiskers decorated with Pt nanoparticles. RSC Advances, 2016, 6, 92748-92753.	1.7	16

#	Article	IF	Citations
91	Controllable Preparation of Al₂O₃â€MgOÂ·Al₂O₃â€CaOÂ·6Al₂O₃ (<scp>AMC</scp>) Composite with Improved Slag Penetration Resistance. International Journal of Applied Ceramic Technology, 2016, 13, 33-40.	1.1	16
92	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
93	Kinetics of non-isothermal oxidation of AlN powder. Journal of the European Ceramic Society, 2010, 30, 629-633.	2.8	15
94	Thermal oxidation of SiAlON powders synthesized from coal gangue. International Journal of Minerals, Metallurgy and Materials, 2011, 18, 77-82.	2.4	15
95	Single crystalline Î²-SiAlON nanowhiskers: preparation and enhanced properties at high temperature. Dalton Transactions, 2012, 41, 7127.	1.6	15
96	A new approach to interpreting the parabolic and non-parabolic oxidation behaviour of hot-pressed Î²-SiAlON ceramics. Corrosion Science, 2012, 58, 278-283.	3.0	15
97	Kinetics of Thermal Oxidation of Titanium Nitride Powder at Different Oxidizing Atmospheres. Journal of the American Ceramic Society, 2011, 94, 570-575.	1.9	14
98	Morphology characterization of periclaseâ€“hercynite refractories by reaction sintering. International Journal of Minerals, Metallurgy and Materials, 2015, 22, 1219-1224.	2.4	14
99	Investigation of the effects of temperature and oxygen partial pressure on oxidation of zirconium carbide using different kinetics models. Journal of Alloys and Compounds, 2011, 509, 2395-2400.	2.8	13
100	Dissolution and diffusion of TiO2 in the CaO-Al2O3-SiO2 slag. International Journal of Minerals, Metallurgy and Materials, 2014, 21, 345-352.	2.4	13
101	Template free synthesis of highly ordered mullite nanowhiskers with exceptional photoluminescence. Ceramics International, 2015, 41, 9560-9566.	2.3	13
102	Molten salt synthesis of mullite nanowhiskers using different silica sources. International Journal of Minerals, Metallurgy and Materials, 2015, 22, 884-891.	2.4	13
103	Molten salt-enhanced production of hydrogen by using skimmed hot dross from aluminum remelting at high temperature. International Journal of Hydrogen Energy, 2017, 42, 12956-12966.	3.8	13
104	Formation mechanism of elongated Î²â€“Si3N4 crystals in Feâ€“Si3N4 composite via flash combustion. Ceramics International, 2018, 44, 9395-9400.	2.3	13
105	Preparation of 2H/3Câ€“SiC heterojunction nanowires from molten salt method with blue shift photoluminescence property. Ceramics International, 2022, 48, 12971-12978.	2.3	13
106	Large scale fabrication of dumbbell-shaped biomimetic SiC/SiO₂ fibers. CrystEngComm, 2015, 17, 9318-9322.	1.3	12
107	Fabrication of Pd/CeO₂nanocubes as highly efficient catalysts for degradation of formaldehyde at room temperature. Catalysis Science and Technology, 2021, 11, 6732-6741.	2.1	12
108	The Model for Oxidation Kinetics of Titanium Nitride Coatings. International Journal of Applied Ceramic Technology, 2010, 7, 248-255.	1.1	11

#	Article	IF	Citations
109	Linearly Tailored Work Function of Orthorhombic CsSnI₃ Perovskites. ACS Energy Letters, 2021, 6, 2328-2335.	8.8	11
110	A Comparison of Oxidation Kinetics of Oâ€²â€SiAlON and Î²â€SiAlON Powders Synthesized from Bauxite. International Journal of Applied Ceramic Technology, 2008, 5, 529-536.	1.1	10
111	Morphological development and oxidation mechanisms of aluminum nitride whiskers. Journal of Solid State Chemistry, 2010, 183, 963-968.	1.4	10
112	Oxidation kinetics of TiN-containing composites. Ceramics International, 2014, 40, 961-966.	2.3	10
113	Fabrication of Ordered Mullite Nanowhisker Array with Surface Enhanced Raman Scattering Effect. Scientific Reports, 2015, 5, 9690.	1.6	10
114	Oxidation Behavior and Mechanism of Al4SiC4 in MgO-C-Al4SiC4 System. Coatings, 2017, 7, 85.	1.2	10
115	Improvement of thermal shock performance by residual stress field toughening in periclase-hercynite refractories. Ceramics International, 2018, 44, 24-31.	2.3	10
116	Preparation of high-purity Î±-Si3N4 nano-powder by precursor-carbothermal reduction and nitridation. Ceramics International, 2019, 45, 6335-6339.	2.3	10
117	Improvement in surface-enhanced Raman spectroscopy from cubic SiC semiconductor nanowhiskers by adjustment of energy levels. Physical Chemistry Chemical Physics, 2016, 18, 27572-27576.	1.3	9
118	Simultaneous determination of Cd(II) and Pb(II) using electrode modified by FeAl2O4-AlOOH-reduced graphene oxide hybrids. Ionics, 2019, 25, 2351-2360.	1.2	9
119	Review of electrochemical degradation of phenolic compounds. International Journal of Minerals, Metallurgy and Materials, 2021, 28, 1413-1428.	2.4	9
120	Stabilizing orthorhombic CsSnI₃ 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
121	Reaction mechanisms for 0.5Li2MnO3Â·0.5LiMn0.5Ni0.5O2 precursor prepared by low-heating solid state reaction. International Journal of Minerals, Metallurgy and Materials, 2012, 19, 856-862.	2.4	8
122	Characterization and properties of silicon carbide fibers with self-standing membrane structure. Journal of Alloys and Compounds, 2015, 649, 135-141.	2.8	8
123	The Reaction Behavior of Î±-Si3N4 Powder at 1100â€“1500ÂÂ°C Under Different Oxidizing Conditions. Oxidation of Metals, 2015, 84, 169-184.	1.0	8
124	A titanium nitride nanotube array for potentiometric sensing of pH. Analyst, The, 2016, 141, 1693-1699.	1.7	8
125	Pt-Co Alloys-Loaded Cubic SiC Electrode with Improved Photoelectrocatalysis Property. Materials, 2017, 10, 955.	1.3	8
126	Preparation, growth mechanism and slag resistance behavior of ternary Ca 2 Mg 2 Al 28 O 46 (C 2 M 2 A) Tj ETQq0 0 0 rgBT /Overlock 1	1.1	8

#	Article	IF	Citations
127	Regulating the phase stability and bandgap of quasi-2D Dionâ€“Jacobson CsSnI₃ perovskite via intercalating organic cations. Journal of Materials Chemistry A, 2022, 10, 3996-4005.	5.2	8
128	A theoretical analysis for oxidation of titanium carbide. Journal of Materials Science, 2008, 43, 6193-6199.	1.7	7
129	Preparation and photo-catalytic activity of TiO2-coated medical stone-based porous ceramics. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 593-597.	2.4	7
130	Synthesis parameter dependence of the electrochemical performance of solvothermally synthesized Li4Ti5O12. Materials for Renewable and Sustainable Energy, 2014, 3, 1.	1.5	7
131	Morphological Evolution of Low-Grade Silica Fume at Elevated Temperature. High Temperature Materials and Processes, 2017, 36, 607-613.	0.6	7
132	Selective Determination of Copper (II) Based on Aluminum Silicon Carbide Nanoparticles Modified Glassy Carbon Electrode by Square Wave Stripping Voltammetry. Electroanalysis, 2017, 29, 2224-2231.	1.5	7
133	Formation mechanism of large size plate-like Al₄SiC₄ grains by a carbothermal reduction method. CrystEngComm, 2018, 20, 1399-1404.	1.3	7
134	Effectively controlling the crystal growth of Cr₂O₃ using SiO₂ as the second phase. Journal of the American Ceramic Society, 2019, 102, 2187-2194.	1.9	7
135	Effect of Temperature on the Initial Oxidation Behavior and Kinetics of 5Cr Ferritic Steel in Air. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 5169-5179.	1.1	7
136	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
137	Performance of BaZrO3/Y2O3 dual-phase refractory applied to TiAl alloy melting. Ceramics International, 2022, 48, 20158-20167.	2.3	7
138	New design concept for stable Î±-silicon nitride based on the initial oxidation evolution at the atomic and molecular levels. Journal of Materials Science and Technology, 2022, 122, 156-164.	5.6	7
139	Corrosion resistance of AlNâ€“SiCâ€“TiB2 composite in air. Composites Science and Technology, 2009, 69, 2527-2531.	3.8	6
140	The Effect of Water Vapor and Temperature on the Reaction Behavior of AlN Powder at 1273ÂK to 1423ÂK (1000ÂÂ°C to 1150ÂÂ°C). Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1621-1627.	1.1	6
141	High-performance chromite by structure stabilization treatment. Journal of Iron and Steel Research International, 2020, 27, 169-179.	1.4	6
142	Neodymium-decorated graphene as an efficient electrocatalyst for hydrogen production. Nanoscale, 2021, 13, 15471-15480.	2.8	6
143	Computational Discovery of the Qualitative Electronegativityâ€“Wettability Relationship in High-Temperature Ceramics-Supported TiAl Alloys. Journal of Physical Chemistry C, 2022, 126, 2207-2213.	1.5	6
144	Effect of SiO₂ addition on the synthesis of hercynite with high purity. Journal of the Ceramic Society of Japan, 2015, 123, 595-600.	0.5	5

#	Article	IF	Citations
145	Fabrication and characterization of ultra light SiC whiskers decorated by RuO₂ nanoparticles as hybrid supercapacitors. RSC Advances, 2016, 6, 19626-19631.	1.7	5
146	Reaction and formation mechanism of Fe-Si3N4 composite prepared by flash combustion synthesis. Ceramics International, 2018, 44, 22777-22783.	2.3	5
147	Preparation of Al4SiC4 with higher aspect ratio by a novel two-step method. Ceramics International, 2022, 48, 23908-23913.	2.3	5
148	The Reaction Behavior of AlN Powder in Wet Air Between 1573ÂK and 1773ÂK. Jom, 2016, 68, 675-681.	0.9	4
149	Ab initio calculation of the evolution of [SiN_{4â€‹}_nO_n] tetrahedron during Î²â€Si₃N₄(0001) surface oxidation. Journal of the American Ceramic Society, 2020, 103, 2808-2816.	1.9	4
150	Effect of Water-Vapor Content on Reaction Rate of Hexagonal BN Powder at 1273ÂK. High Temperature Materials and Processes, 2013, 32, 275-280.	0.6	3
151	Effect and mechanism of nano-Ca10(PO4)6(OH)2 additive on compressive strength of calcium aluminate cement at high temperature. Journal of Iron and Steel Research International, 2022, 29, 1063-1072.	1.4	3
152	Morphology-controlled Synthesis of Hexagonal AlN Whiskers by Direct Nitridation of Aluminum and Alumina Mixture. High Temperature Materials and Processes, 2014, 33, 385-389.	0.6	2
153	Thermal and transport properties of La2â^'xNdxMo2O9. Journal of Rare Earths, 2016, 34, 1024-1031.	2.5	2
154	The morphological evolution of the oxide products of Si₃N₄/Al₂O₃ composite refractory under different oxidizing conditions. Journal of the Ceramic Society of Japan, 2017, 125, 661-669.	0.5	2
155	Reply to â€œComment on â€˜Superior Photodetectors Based on All-Inorganic Perovskite CsPbI₃ Nanorods with Ultrafast Response and High Stabilityâ€™â€•. ACS Nano, 2018, 12, 10571-10571.	7.3	2
156	Boron doping induced thermal conductivity enhancement of water-based 3C-Si(B)C nanofluids. Nanotechnology, 2018, 29, 355702.	1.3	2
157	A new kinetic treatment of the oxidation of Î²-SiAlON powder. International Journal of Materials Research, 2008, 99, 1346-1351.	0.1	1
158	Quantitative investigation of the oxidation kinetics of magnesia/carbon composite. Journal of the Ceramic Society of Japan, 2009, 117, 1293-1296.	0.5	1
159	Fabrication of Semiconductor with Modified Microstructure for Efficient Photocatalytic Hydrogen Evolution Under Visible Light. , 0, , .		0