Guo-Hua Zhang

List of Publications by Year in Descending Order

165 papers	1,778 citations	23 h-index	32 g-index
177 ext. papers	2,270 ext. citations	3.1 avg, IF	5.65 L-index

#	Paper	IF	Citations
165	Preparation of Ni3S2 Matte from Nickeliferous Laterite Ore Using CaS as the Sulfurization Agent. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2022**, 53, 1136	2.5	
164	Fabrication and Characterization of Tungsten Heavy Alloys with High W Content by Powder Metallurgy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2022**, 53, 1085-1098	2.3	0
163	Enhancement of the mechanical properties of ultrafine-grained WC-Co cemented carbides via the in-situ generation of VC. *Journal of Alloys and Compounds*, **2022**, 903, 163961	5.7	0
162	Preparation of nano-scaled WC powder by low-temperature carbothermic reduction method. *International Journal of Refractory Metals and Hard Materials*, **2022**, 102, 105724	4.1	1
161	Effect of vacuum heat treatment on microstructure evolution and mechanical properties of 93W-4.9Ni-2.1Fe-(ZrB2) alloys. *Powder Technology*, **2022**, 400, 117276	5.2	0
160	Controllable syntheses of Mo5Si3 and Mo3Si by silicothermic reduction of MoS2 in the presence of lime. *Ceramics International*, **2022**, 48, 7815-7826	5.1	1
159	Preparation and properties of Al2O3 dispersed fine-grained W-Cu alloy. *Advanced Powder Technology*, **2022**, 33, 103523	4.6	0
158	Superior strength-ductility synergy in a novel tailored Zr-based particle-strengthened medium W content alloys. *Composites Part B: Engineering*, **2022**, 236, 109817	10	0
157	Boronation reaction between molybdenum or tungsten powder and boron carbide in aluminium melt. *International Journal of Refractory Metals and Hard Materials*, **2022**, 105, 105813	4.1	1
156	Effect of molybdenum addition on microstructure and mechanical properties of 90% tungsten heavy alloys. *International Journal of Refractory Metals and Hard Materials*, **2022**, 106, 105868	4.1	0
155	N-doped graphene supported W2C/WC as efficient electrocatalyst for hydrogen evolution reaction. *International Journal of Hydrogen Energy*, **2021**,	6.7	1
154	Reaction Behavior of SiC with CaO-SiO2-Al2O3 Slag. *ISIJ International*, **2021**, 61, 745-752	1.7	2
153	Sublimation Behavior of Industrial Grade Molybdenum Trioxide. *Transactions of the Indian Institute of Metals*, **2021**, 74, 1469-1477	1.2	0
152	A novel method for preparing ultrafine molybdenum powder. *International Journal of Refractory Metals and Hard Materials*, **2021**, 96, 105491	4.1	2
151	A universal method for the synthesis of refractory metal diborides. *Ceramics International*, **2021**, 47, 14107-14114	5.1	11
150	CaO-Assisted Carbothermal Reduction of MoS2 to Synthesize Molybdenum Powder. *Jom*, **2021**, 73, 2540	2.1	1
149	Microstructure and mechanical properties of Al2O3 dispersed fine-grained medium heavy alloys with a superior combination of strength and ductility. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 817, 141376	5.3	3

148	Recovery of high-grade copper matte by selective sulfurization of CuOFe2O3SiO2CaO system. *Journal of Materials Research and Technology*, **2021**, 13, 1676-1683	5.5	1
147	Synthesis of high-quality ferrovanadium nitride by carbothermal reduction nitridation method. *Journal of Iron and Steel Research International*, **2021**, 28, 255-262	1.2	3
146	Preparation of Monophasic Tungsten boride powder from Tungsten and boron carbide. *Ceramics International*, **2021**, 47, 9543-9550	5.1	2
145	Mixed alkali effect in SiO2-CaO-Al2O3-TiO2-R2O (R = Li, Na) glass ceramics. *Journal of Alloys and Compounds*, **2021**, 856, 158239	5.7	5
144	Effect of atmosphere control on magnetic properties of CaO-Al2O3-SiO2-Fe3O4 glass ceramics. *Journal of the European Ceramic Society*, **2021**, 41, 2663-2673	6	4
143	Preparation of Ultrafine Tungsten-Molybdenum Composite Powder and Its Sintering Behavior. *Metals and Materials International*, **2021**, 27, 1649-1661	2.4	2
142	Study on the separation of silicon from refining slag of industrial silicon. *Metallurgical Research and Technology*, **2021**, 118, 402	0.9	
141	Comparison of hot pressing sintering and conventional powder-sintering in preparation of CaO-Al2O3-SiO2-Fe3O4-R2O glass ceramics. *Journal of Non-Crystalline Solids*, **2021**, 564, 120829	3.9	1
140	A novel sulfur-emission free route for preparing ultrafine MoSi2 powder by silicothermic reduction of MoS2. *Journal of the American Ceramic Society*, **2021**, 104, 6092	3.8	1
139	Low-temperature synthesis of single-phase refractory metal compound carbides. *International Journal of Refractory Metals and Hard Materials*, **2021**, 98, 105567	4.1	3
138	Preparation of fully dense and magnetically controllable CaO-Al2O3-SiO2-Na2O-Fe3O4 glass ceramics by hot pressing. *Journal of the European Ceramic Society*, **2021**, 41, 5201-5213	6	0
137	A facile route to prepare ODS WCCo cemented carbides. *International Journal of Refractory Metals and Hard Materials*, **2021**, 98, 105569	4.1	3
136	Effect of ZrB2 addition on microstructure evolution and mechanical properties of 93 wt.% tungsten heavy alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 825, 141870	5.3	4
135	Fabrication and Mechanical Properties of Mo-Al2O3 Cermets by Using Ultrafine Molybdenum and Nano-sized Alumina Powders. *Jom*, **2021**, 73, 3451	2.1	1
134	Effects of CaO/SiO2 ratio and heat treatment parameters on the crystallization behavior, microstructure and properties of SiO2-CaO-Al2O3-Na2O glass ceramics. *Journal of Non-Crystalline Solids*, **2020**, 538, 120023	3.9	8
133	Preparation of high-purity and ultrafine WC-Co composite powder by a simple two-step process. *Advanced Powder Technology*, **2020**, 31, 1940-1945	4.6	5
132	Preparation of CaB6 powder via calciothermic reduction of boron carbide. *International Journal of Minerals, Metallurgy and Materials*, **2020**, 27, 37-45	3.1	4
131	Preparation of Fine-Grained W-Ni-Fe Alloys by Using W Nanopowders. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2020**, 51, 3090-3103	2.3	6

130	Synthesis of high-purity ultrafine tungsten and tungsten carbide powders. *Transactions of Nonferrous Metals Society of China*, **2020**, 30, 1697-1706	3.3	2
129	Preparation of ultrafine molybdenum carbide (Mo2C) powder by carbothermic reduction of molybdenum trioxide (MoO3). *Journal of the Australian Ceramic Society*, **2020**, 56, 1333-1340	1.5	1
128	Topochemical synthesis of one-dimensional Mo2C nanobelts. *Ceramics International*, **2020**, 46, 12891-12896	3.1	1
127	Topochemical synthesis of two-dimensional molybdenum carbide (Mo2C) via Na2CO3-Assited carbothermal reduction of 2H□MoS2. *Materials Chemistry and Physics*, **2020**, 244, 122713	4.4	2
126	Study on the reduction of commercial MoO3 with carbon black to prepare MoO2 and Mo2C nanoparticles. *International Journal of Applied Ceramic Technology*, **2020**, 17, 917-931	2	4
125	Mixed Alkali Effect in Viscosity of CaO-SiO2-Al2O3-R2O melts. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2020**, 51, 985-1002	2.5	9
124	Morphology evolution and quantitative analysis of □MoO3 and □MoO3. *High Temperature Materials and Processes*, **2020**, 39, 620-626	0.9	5
123	Effect of Si on Desulfurization in Fe□Si□, Fe□Si□Cr□ and Fe□Si□Ni□ Melts. *ISIJ International*, **2020**, 60, 636-639	1.7	1
122	A short and facile process to synthesize WC-Co cemented carbides. *International Journal of Refractory Metals and Hard Materials*, **2020**, 92, 105288	4.1	6
121	A novel method for preparing Ti5Si3 from Ti-bearing blast furnace slag. *Metallurgical Research and Technology*, **2020**, 117, 614	0.9	2
120	Sintering behavior of molybdenum-copper and tungsten-copper alloys by using ultrafine molybdenum and tungsten powders as raw materials. *International Journal of Refractory Metals and Hard Materials*, **2020**, 88, 105194	4.1	12
119	A facile pathway to prepare ultrafine WC powder via a carbothermic pre-reduction followed by carbonization with CH4-H2 mixed gases. *International Journal of Refractory Metals and Hard Materials*, **2020**, 86, 105118	4.1	4
118	Topochemical synthesis of holey 2D molybdenum nitrides nanosheets via lime-assisted nitridation of layered MoS2. *Ceramics International*, **2020**, 46, 4024-4029	5.1	5
117	A facile pathway to prepare molybdenum boride powder from molybdenum and boron carbide. *Journal of the American Ceramic Society*, **2020**, 103, 2399-2406	3.8	4
116	Fabrication of ultrafine W-Cu composite powders and its sintering behavior. *Journal of Materials Research and Technology*, **2020**, 9, 2154-2163	5.5	13
115	Seeded growth synthesis of W nanoparticles in reduction process of WO2 by hydrogen. *Journal of Alloys and Compounds*, **2020**, 819, 153371	5.7	0
114	Densification behavior of ultrafine W-Ni-Fe composite powders produced by a two-stage reduction process. *Powder Technology*, **2020**, 360, 430-443	5.2	10
113	Size-controlled synthesis of Mo powders via hydrogen reduction of MoO2 powders with the assistance of Mo nuclei. *International Journal of Hydrogen Energy*, **2020**, 45, 1435-1443	6.7	2

112	Preparation of Low-Carbon and Low-Sulfur Fe-Cr-Ni-Si Alloy by Using CaSO4-Containing Stainless Steel Pickling Sludge. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2020**, 51, 2057-2067	2.5	4
111	Synthesis of high purity nano-sized transition-metal carbides. *Journal of Materials Research and Technology*, **2020**, 9, 11778-11790	5.5	7
110	Desulfurizer-Enhanced Carbothermal Reduction of MoS2 to Synthesize Mo2C. *Jom*, **2020**, 72, 4030-4041	2.1	2
109	Novel Pathway to Prepare Mo Nanopowder via Hydrogen Reduction of MoO2 Containing Mo Nanoseeds Produced by Reducing MoO3 with Carbon Black. *Jom*, **2020**, 72, 347-353	2.1	4
108	Preparation of □Si3N4 by direct nitridation using polysilicon waste by diamond wire cutting. *International Journal of Applied Ceramic Technology*, **2020**, 17, 84-93	2	3
107	Preparation of Ultrafine W Powder via Carbothermic Prereduction of Tungsten Oxide Followed by Deep Reduction with Hydrogen. *Jom*, **2020**, 72, 379-384	2.1	1
106	Preparation of ultrafine/nano Mo particles via NaCl-assisted hydrogen reduction of different-sized MoO2 powders. *International Journal of Refractory Metals and Hard Materials*, **2019**, 80, 243-252	4.1	7
105	Size-controlled synthesis of high-purity tungsten carbide powders via a carbothermic reduction□carburization process. *International Journal of Refractory Metals and Hard Materials*, **2019**, 84, 104975	4.1	9
104	A low-cost and efficient pathway for preparation of 2D MoN nanosheets via Na2CO3-assisted nitridation of MoS2 with NH3. *Journal of the American Ceramic Society*, **2019**, 102, 7178-7186	3.8	7
103	Low temperature synthesis of titanium diboride nanosheets by molten salt□assisted borothermal reduction of TiO2. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	4
102	Preparation of refractory metal diboride powder by reducing refractory metal oxide with calcium hexaboride. *Ceramics International*, **2019**, 45, 15772-15777	5.1	9
101	Electrical Conductivities of High Aluminum Blast Furnace Slags. *ISIJ International*, **2019**, 59, 427-431	1.7	2
100	A new route for preparing Mo-10wt.%Cu composite compacts. *International Journal of Refractory Metals and Hard Materials*, **2019**, 81, 196-205	4.1	7
99	Shape-controlled Preparation of Mo Powder by Temperature-programmed Reduction of MoO3 by NH3. *Chemistry Letters*, **2019**, 48, 475-478	1.7	3
98	Preparation of Ultrafine W-10 Wt Pct Cu Composite Powders and Their Corresponding Sintered Compacts. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 4827-4838	2.3	6
97	Effect of NaCl on synthesis of ZrB2 by a borothermal reduction reaction of ZrO2. *International Journal of Minerals, Metallurgy and Materials*, **2019**, 26, 831-838	3.1	7
96	Preparations of titanium nitride, titanium carbonitride and titanium carbide via a two-step carbothermic reduction method. *Journal of Solid State Chemistry*, **2019**, 277, 793-803	3.3	12
95	An industrially feasible pathway for preparation of Mo nanopowder and its sintering behavior. *International Journal of Refractory Metals and Hard Materials*, **2019**, 84, 105039	4.1	11

94	Nanostructured oxide dispersion strengthened Mo alloys from Mo nanopowder doping with oxide nanoparticles. *Journal of Materials Research and Technology*, **2019**, 8, 5753-5762	5.5	6
93	Preparation of high purity vanadium nitride by magnesiothermic reduction of V2O3 followed by nitriding in N2 atmosphere. *Transactions of Nonferrous Metals Society of China*, **2019**, 29, 1776-1783	3.3	5
92	Preparation of Mo nanoparticles through hydrogen reduction of commercial MoO2 with the assistance of molten salt. *International Journal of Refractory Metals and Hard Materials*, **2019**, 78, 68-75	4.1	12
91	A low-cost, efficient, and industrially feasible pathway for large scale preparation of tungsten nanopowders. *International Journal of Refractory Metals and Hard Materials*, **2019**, 78, 100-106	4.1	29
90	Preparation of submicron Mo powders by the reaction between MoO2 and activated carbon. *Journal of the Australian Ceramic Society*, **2019**, 55, 297-303	1.5	1
89	Preparation technology of Ti-rich material from ilmenite via method of vacuum carbothermal reduction. *Canadian Metallurgical Quarterly*, **2019**, 58, 196-203	0.9	3
88	Size-controlled synthesis of nano Mo powders via reduction of commercial MoO3 with carbon black and hydrogen. *International Journal of Refractory Metals and Hard Materials*, **2019**, 80, 11-22	4.1	22
87	Fabrication of ultrafine and high-purity tungsten carbide powders via a carbothermic reduction□carburization process. *Journal of Alloys and Compounds*, **2019**, 784, 362-369	5.7	25
86	Synthesis of submicrometric VB2 powders by a boro-carbothermal reduction route. *Ceramics International*, **2019**, 45, 2492-2497	5.1	4
85	Fabrication of pure V2O3 powders by reducing V2O5 powders with CO-CO2 mixed gases. *Ceramics International*, **2019**, 45, 2117-2123	5.1	5
84	Viscosity of CaO□MgO□Al2O3□SiO2 melts containing SiC particles. *Ironmaking and Steelmaking*, **2019**, 46, 705-711	1.3	1
83	Shape-Controlled Synthesis of Ultrafine Molybdenum Crystals via Salt-Assisted Reduction of MoO2 with H2. *Journal of Physical Chemistry C*, **2018**, 122, 10231-10239	3.8	17
82	Study on reduction of MoS2 powders with activated carbon to produce Mo2C under vacuum conditions. *International Journal of Minerals, Metallurgy and Materials*, **2018**, 25, 405-412	3.1	9
81	Preparation of ultrafine Mo powders via carbothermic pre-reduction of molybdenum oxide and deep reduction by hydrogen. *International Journal of Refractory Metals and Hard Materials*, **2018**, 75, 70-77	4.1	23
80	Synthesis of molybdenum nitrides nanosheets by nitriding 2H-MoS2 with ammonia. *Journal of the American Ceramic Society*, **2018**, 101, 2796-2808	3.8	18
79	Preparation and purification of titanium carbide via vacuum carbothermic reduction of ilmenite. *Vacuum*, **2018**, 151, 51-60	3.7	10
78	Preparation of Mo2C by reducing ultrafine spherical □MoO3 powders with CO or CO-CO2 gases. *Journal of the Australian Ceramic Society*, **2018**, 54, 97-107	1.5	4
77	Corrosion behavior of carbon composite brick in high alumina slags. *Ceramics International*, **2018**, 44, 5242-5249	5.1	3

76	Preparation of Ti5Si3 by silicothermic reduction of titanium-bearing blast furnace slag. *Canadian Metallurgical Quarterly*, **2018**, 57, 80-88	0.9	11
75	Preparation of High-Quality FeV55N Using Ammonia as a Reductant and Nitrogen Source. *Jom*, **2018**, 70, 2493-2498	2.1	5
74	A facile pathway to prepare VO2 and V2O3 powders via a carbothermal reduction process. *Journal of Solid State Chemistry*, **2018**, 265, 299-305	3.3	6
73	Preparation of industrial grade MoO2 by the reaction between industrial grade MoO3 and activated carbon. *Metallurgical Research and Technology*, **2018**, 115, 416	0.9	3
72	A New Route to Produce Submicron Mo Powders via Carbothermal Pre-reduction Followed by Deep Magnesium Reduction. *Jom*, **2018**, 70, 2561-2566	2.1	5
71	Preparation of Vanadium Nitride by Magnesiothermic Reduction of V2O3 in Nitrogen Atmosphere. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2018**, 49, 3570-3579	2.5	4
70	Estimation for Iron Redox Equilibria in Multicomponent Slags. *High Temperature Materials and Processes*, **2017**, 36, 567-571	0.9	2
69	Dripping and evolution behavior of primary slag bearing TiO2 through the coke packed bed in a blast-furnace hearth. *International Journal of Minerals, Metallurgy and Materials*, **2017**, 24, 130-138	3.1	6
68	Study on reduction reaction of MoO2 powder with NH3. *Journal of the American Ceramic Society*, **2017**, 100, 1368-1376	3.8	8
67	Study of the Reduction of Industrial Grade MoO3 Powders with CO or CO-CO2 Gases to Prepare MoO2. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2017**, 48, 2047-2056	2.5	9
66	Phase evolution and reaction mechanism during reduction–nitridation process of titanium dioxide with ammonia. *Journal of Materials Science*, **2017**, 52, 1255-1264	4.3	5
65	Formation of submicrometer titanium nitride from a titanium dioxide/phenolic resin composite. *Journal of Materials Science*, **2017**, 52, 7546-7554	4.3	7
64	Kinetic study on carbothermic reduction of ilmenite with activated carbon. *Transactions of Nonferrous Metals Society of China*, **2017**, 27, 1856-1861	3.3	15
63	Influences of Na2O and K2O Additions on Electrical Conductivity of CaO-SiO2-(Al2O3) Melts. *ISIJ International*, **2017**, 57, 2091-2096	1.7	12
62	Nitrogen Solubility in Mn–Si–Fe Melts. *ISIJ International*, **2017**, 57, 764-766	1.7	
61	Effects of R 2 CO 3 (R = Li, Na and K) on the reduction of MoO 2 to Mo by hydrogen. *International Journal of Refractory Metals and Hard Materials*, **2017**, 69, 180-188	4.1	6
60	Pyrophoric behaviour of ultrafine Mo powder. *Corrosion Science*, **2017**, 128, 85-93	6.8	7
59	Study on the preparation of molybdenum silicides by the silicothermic reduction of MoS2. *Journal of Alloys and Compounds*, **2017**, 728, 295-306	5.7	11

58	Synthesis of High-Quality FeV55N Alloy by Carbonitrothermic Reduction of Vanadium Pentoxide–Ferric Oxide Mixture. *Jom*, **2017**, 69, 1676-1681	2.1	8
57	Preparation of SiS and SiO2 Nanospheres. *Industrial & Engineering Chemistry Research*, **2017**, 56, 12362-12368	3.9	9
56	Preparation of single-crystal spherical γ-Mo2N by temperature-programmed reaction between β-MoO3 and NH3. *Journal of Solid State Chemistry*, **2017**, 254, 96-102	3.3	12
55	Influences of Na2O and K2O Additions on Electrical Conductivity of CaO-MgO-Al2O3-SiO2 Melts. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2017**, 48, 1134-1138	2.5	17
54	A novel method to synthesize submicrometer vanadium carbide by temperature programmed reaction from vanadium pentoxide and phenolic resin. *International Journal of Refractory Metals and Hard Materials*, **2017**, 62, 64-69	4.1	10
53	Preparation of titanium carbide powder from ilmenite concentrate. *Chemical Industry and Chemical Engineering Quarterly*, **2017**, 23, 67-72	0.7	3
52	Study on Electrical Conductivity of CaO-SiO2-Al2O3-FeOx Slags **2016**, 1335-1342		
51	Preparation of Ultrafine β-MoO3 from Industrial Grade MoO3 Powder by the Method of Sublimation. *Journal of Physical Chemistry C*, **2016**, 120, 19821-19829	3.8	25
50	Influences of Different Components on Agglomeration Behavior of MoS2 During Oxidation Roasting Process in Air. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2016**, 47, 2421-2432	2.5	5
49	Mechanism and kinetics of the carbothermic reduction of titanium-bearing blast furnace slag. *Metallurgical Research and Technology*, **2016**, 113, 507	0.9	15
48	Synthesis of nanocrystalline molybdenum powder by hydrogen reduction of industrial grade MoO3. *International Journal of Refractory Metals and Hard Materials*, **2016**, 59, 100-104	4.1	22
47	Formation of submicrometer titanium carbide from a titanium dioxide encapsulated in phenolic resin. *Journal of Materials Science*, **2016**, 51, 7008-7015	4.3	7
46	Study on oxidation mechanism and kinetics of MoO2 to MoO3 in air atmosphere. *International Journal of Refractory Metals and Hard Materials*, **2016**, 57, 115-124	4.1	26
45	Study on Reaction Mechanism of Reducing Dephosphorization of Fe-Ni-Si Melt by CaO-CaF2 Slag. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2016**, 47, 16-18	2.5	2
44	Study on Hydrogen Reduction of Ultrafine MoO2 To Produce Ultrafine Mo. *Journal of Physical Chemistry C*, **2016**, 120, 4097-4103	3.8	25
43	Electrical Conductivity and Electronic/Ionic Properties of TiO x -CaO-SiO2 Slags at Various Oxygen Potentials and Temperatures. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2016**, 47, 798-803	2.5	11
42	Carbothermic Reduction of Titanium-Bearing Blast Furnace Slag. *High Temperature Materials and Processes*, **2016**, 35, 309-319	0.9	20
41	Mechanism and kinetic study of hydrogen reduction of ultra-fine spherical MoO3 to MoO2. *International Journal of Refractory Metals and Hard Materials*, **2016**, 54, 342-350	4.1	24

40	Preparation of MoO2 by the Solid State Reaction Between MoS2 and MoO3. *Jom*, **2016**, 68, 1031-1036	2.1	9
39	Study on Electrical Conductivity of CaO-SiO2-Al2O3-FeOx Slags **2016**, 1335-1342		0
38	Formation of Titanium Carbonitride via Carbothermic Reduction of Ilmenite Concentrate in Nitrogen Atmosphere. *ISIJ International*, **2016**, 56, 744-751	1.7	14
37	Thermodynamic Assessment of Liquid MnFeSiCaP System by Unified Interaction Parameter Model. *ISIJ International*, **2016**, 56, 917-925	1.7	2
36	A Novel Process to Synthesize High-Quality Ferrovanadium Nitride. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2016**, 47, 3405-3412	2.5	6
35	Viscosity and Structure Changes of CaO-SiO2-Al2O3-CaF2 Melts with Substituting A12O3 for SiO2. *Journal of Iron and Steel Research International*, **2016**, 23, 633-637	1.2	7
34	Viscosity of CaO-MgO-Al2O3-SiO2-TiO2 Melts Containing TiC Particles. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2015**, 46, 155-161	2.5	33
33	Study on hydrogen reduction of Mo4O11. *International Journal of Refractory Metals and Hard Materials*, **2015**, 51, 275-281	4.1	11
32	Phase Evolution During the Carbothermic Reduction Process of Ilmenite Concentrate. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2015**, 46, 48-56	2.5	21
31	Electrolysis of Molten FeOx-Containing CaO-Al2O3-SiO2Slags under Constant Current Field. *Journal of the Electrochemical Society*, **2015**, 162, E314-E318	3.9	13
30	Deoxidation of Molten Steel by Aluminum. *Journal of Iron and Steel Research International*, **2015**, 22, 905-908	1.2	11
29	Kinetics and mechanism of hydrogen reduction of ilmenite powders. *Journal of Alloys and Compounds*, **2015**, 619, 443-451	5.7	29
28	A Morphological Study of the Reduction of MoO2 by Hydrogen. *High Temperature Materials and Processes*, **2015**, 34,	0.9	12
27	Influence of Pre-oxidation on Carbothermic Reduction Process of Ilmenite Concentrate. *ISIJ International*, **2015**, 55, 928-933	1.7	26
26	Electronic/Ionic Properties of FexOSiO2CaOAl2O3 Slags at Various Oxygen Potentials and Temperatures. *ISIJ International*, **2015**, 55, 2325-2331	1.7	10
25	Oxidation roasting of molybdenite concentrate. *Transactions of Nonferrous Metals Society of China*, **2015**, 25, 4167-4174	3.3	46
24	Influence of TiC on the Viscosity of CaOMgOAl2O3SiO2TiC Suspension System. *ISIJ International*, **2015**, 55, 922-927	1.7	20
23	A Structurally Based Viscosity Model for Oxide Melts. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2014**, 45, 698-706	2.5	69

22	Influences of Al2O3/CaO and Na2O/CaO Ratios on Viscosities of CaO-Al2O3-SiO2-Na2O Melts. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2014**, 45, 123-130	2.5	16
21	Influence of Al2O3/TiO2 Ratio on Viscosities and Structure of CaO□MgO□Al2O3□SiO2□TiO2 Melts. *ISIJ International*, **2014**, 54, 985-989	1.7	22
20	Deoxidation of Liquid Steel with Molten Slag by Using Electrochemical Method. *ISIJ International*, **2014**, 54, 2767-2771	1.7	9
19	Kinetics and mechanism of hydrogen reduction of MoO3 to MoO2. *International Journal of Refractory Metals and Hard Materials*, **2013**, 41, 216-223	4.1	68
18	Non-isothermal reduction kinetics of titanomagnetite by hydrogen. *International Journal of Minerals, Metallurgy and Materials*, **2013**, 20, 1134-1140	3.1	7
17	Study on kinetics of hydrogen reduction of MoO2. *International Journal of Refractory Metals and Hard Materials*, **2013**, 41, 356-362	4.1	40
16	Influence of Al2O3/SiO2 Ratio on Viscosities of CaO^|^ndash;Al2O3^|^ndash;SiO2 Melt. *ISIJ International*, **2013**, 53, 177-180	1.7	20
15	Reduction Kinetics of Metal Oxides by Hydrogen. *Steel Research International*, **2013**, 84, 526-533	1.6	25
14	Modeling the Viscosity of Alumino-Silicate Melt. *Steel Research International*, **2013**, 84, 631-637	1.6	11
13	Estimation of Sulfide Capacities of Multicomponent Slags using Optical Basicity. *ISIJ International*, **2013**, 53, 761-767	1.7	37
12	Modeling Viscosities of CaO-MgO-FeO-MnO-SiO2 Molten Slags. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2012**, 43, 64-72	2.5	72
11	Reduction Kinetics of FeTiO3 Powder by Hydrogen. *ISIJ International*, **2012**, 52, 1986-1989	1.7	13
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