# Guo-Hua Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

| 176 | 2,831 | 201575 | 302012 |
|---|---|---|---|
| papers | citations | 27 h-index | 39 g-index |

| 177 | 177 | 177 | 1367 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Modelling Viscosities of CaOâ€“MgOâ€“Al2O3â€“SiO2 Molten Slags. ISIJ International, 2012, 52, 355-362. | 0.6 | 98 |
| 2 | Kinetics and mechanism of hydrogen reduction of MoO3 to MoO2. International Journal of Refractory Metals and Hard Materials, 2013, 41, 216-223. | 1.7 | 96 |
| 3 | 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. | 1.0 | 84 |
| 4 | A Structurally Based Viscosity Model for Oxide Melts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 698-706. | 1.0 | 79 |
| 5 | Oxidation roasting of molybdenite concentrate. Transactions of Nonferrous Metals Society of China, 2015, 25, 4167-4174. | 1.7 | 54 |
| 6 | Estimation of Sulfide Capacities of Multicomponent Slags using Optical Basicity. ISIJ International, 2013, 53, 761-767. | 0.6 | 53 |
| 7 | Measuring and Modeling Viscosity of CaO-Al2O3-SiO2(-K2O) Melt. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2012, 43, 841-848. | 1.0 | 52 |
| 8 | Study on kinetics of hydrogen reduction of MoO2. International Journal of Refractory Metals and Hard Materials, 2013, 41, 356-362. | 1.7 | 52 |
| 9 | 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. | 1.7 | 51 |
| 10 | 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. | 1.7 | 47 |
| 11 | Kinetics and mechanism of hydrogen reduction of ilmenite powders. Journal of Alloys and Compounds, 2015, 619, 443-451. | 2.8 | 45 |
| 12 | Fabrication of ultrafine and high-purity tungsten carbide powders via a carbothermic reductionâ€“carburization process. Journal of Alloys and Compounds, 2019, 784, 362-369. | 2.8 | 44 |
| 13 | Simple Method for Estimating the Electrical Conductivity of Oxide Melts with Optical Basicity. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2010, 41, 131-136. | 1.0 | 43 |
| 14 | 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. | 1.0 | 41 |
| 15 | 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. | 1.7 | 39 |
| 16 | Model for evaluating density of molten slag with optical basicity. Journal of Iron and Steel Research International, 2010, 17, 1-4. | 1.4 | 37 |
| 17 | Study on Hydrogen Reduction of Ultrafine MoO<sub>2</sub> To Produce Ultrafine Mo. Journal of Physical Chemistry C, 2016, 120, 4097-4103. | 1.5 | 37 |
| 18 | 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. | 1.7 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Correlation Between Viscosity and Electrical Conductivity of Aluminosilicate Melts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2012, 43, 849-855. | 1.0 | 34 |
| 20 | Influence of Pre-oxidation on Carbothermic Reduction Process of Ilmenite Concentrate. ISIJ International, 2015, 55, 928-933. | 0.6 | 34 |
| 21 | 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. | 1.7 | 34 |
| 22 | Preparation of Ultrafine Î²-MoO<sub>3</sub> from Industrial Grade MoO<sub>3</sub> Powder by the Method of Sublimation. Journal of Physical Chemistry C, 2016, 120, 19821-19829. | 1.5 | 33 |
| 23 | Relation Between Viscosity and Electrical Conductivity of Silicate Melts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2011, 42, 261-264. | 1.0 | 31 |
| 24 | Reduction Kinetics of Metal Oxides by Hydrogen. Steel Research International, 2013, 84, 526-533. | 1.0 | 31 |
| 25 | Synthesis of nanocrystalline molybdenum powder by hydrogen reduction of industrial grade MoO3. International Journal of Refractory Metals and Hard Materials, 2016, 59, 100-104. | 1.7 | 31 |
| 26 | Influence of Al2O3/SiO2 Ratio on Viscosities of CaO^|^ndash;Al2O3^|^ndash;SiO2 Melt. ISIJ International, 2013, 53, 177-180. | 0.6 | 30 |
| 27 | Influence of Al2O3/TiO2 Ratio on Viscosities and Structure of CaOâ€“MgOâ€“Al2O3â€“SiO2â€“TiO2 Melts. ISIJ International, 2014, 54, 985-989. | 0.6 | 28 |
| 28 | Morphology evolution and quantitative analysis of Î²-MoO3 and Î±-MoO3. High Temperature Materials and Processes, 2020, 39, 620-626. | 0.6 | 28 |
| 29 | Shape-Controlled Synthesis of Ultrafine Molybdenum Crystals via Salt-Assisted Reduction of MoO<sub>2</sub> with H<sub>2</sub>. Journal of Physical Chemistry C, 2018, 122, 10231-10239. | 1.5 | 27 |
| 30 | Synthesis of molybdenum nitrides nanosheets by nitriding 2Hâ€MoS<sub>2</sub> with ammonia. Journal of the American Ceramic Society, 2018, 101, 2796-2808. | 1.9 | 27 |
| 31 | Carbothermic Reduction of Titanium-Bearing Blast Furnace Slag. High Temperature Materials and Processes, 2016, 35, 309-319. | 0.6 | 26 |
| 32 | Sintering behavior of molybdenumâ€˜copper and tungstenâ€˜copper alloys by using ultrafine molybdenum and tungsten powders as raw materials. International Journal of Refractory Metals and Hard Materials, 2020, 88, 105194. | 1.7 | 26 |
| 33 | Influence of TiC on the Viscosity of CaOâ€“MgOâ€“Al<sub>2</sub>O<sub>3</sub>â€“SiO<sub>2</sub>â€“TiC Suspension System. ISIJ International, 2015, 55, 922-927. | 0.6 | 26 |
| 34 | Viscosity model for fully liquid silicate melt. Journal of Mining and Metallurgy, Section B: Metallurgy, 2012, 48, 1-10. | 0.3 | 25 |
| 35 | 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. | 1.0 | 24 |
| 36 | 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. | 1.0 | 23 |

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|---|---|---|---|
| 37 | 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. | 1.0 | 22 |
| 38 | Mechanism and kinetics of the carbothermic reduction of titanium-bearing blast furnace slag. Metallurgical Research and Technology, 2016, 113, 507. | 0.4 | 22 |
| 39 | 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. | 1.4 | 22 |
| 40 | Fabrication of ultrafine W-Cu composite powders and its sintering behavior. Journal of Materials Research and Technology, 2020, 9, 2154-2163. | 2.6 | 22 |
| 41 | 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. | 2.8 | 22 |
| 42 | 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. | 1.7 | 20 |
| 43 | Kinetic study on carbothermic reduction of ilmenite with activated carbon. Transactions of Nonferrous Metals Society of China, 2017, 27, 1856-1861. | 1.7 | 19 |
| 44 | An industrially feasible pathway for preparation of Mo nanopowder and its sintering behavior. International Journal of Refractory Metals and Hard Materials, 2019, 84, 105039. | 1.7 | 19 |
| 45 | Size-controlled synthesis of high-purity tungsten carbide powders via a carbothermic reductionâ€“carburization process. International Journal of Refractory Metals and Hard Materials, 2019, 84, 104975. | 1.7 | 19 |
| 46 | Influences of Na<sub>2</sub>O and K<sub>2</sub>O Additions on Electrical Conductivity of CaO-SiO<sub>2</sub>-(Al<sub>2</sub>O<sub>3</sub>) Melts. ISIJ International, 2017, 57, 2091-2096. | 0.6 | 18 |
| 47 | Reduction Kinetics of FeTiO3 Powder by Hydrogen. ISIJ International, 2012, 52, 1986-1989. | 0.6 | 17 |
| 48 | Electrolysis of Molten FeO<sub>x</sub>-Containing CaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>Slags under Constant Current Field. Journal of the Electrochemical Society, 2015, 162, E314-E318. | 1.3 | 17 |
| 49 | Formation of Titanium Carbonitride via Carbothermic Reduction of Ilmenite Concentrate in Nitrogen Atmosphere. ISIJ International, 2016, 56, 744-751. | 0.6 | 17 |
| 50 | Preparation of Ti5Si3 by silicothermic reduction of titanium-bearing blast furnace slag. Canadian Metallurgical Quarterly, 2018, 57, 80-88. | 0.4 | 17 |
| 51 | 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. | 1.5 | 17 |
| 52 | Diffusion Coefficient of Calcium Ion in CaO-Al2O3-SiO2 Melts. Journal of Iron and Steel Research International, 2011, 18, 13-16. | 1.4 | 16 |
| 53 | A Morphological Study of the Reduction of MoO2 by Hydrogen. High Temperature Materials and Processes, 2015, 34, . | 0.6 | 16 |
| 54 | Study on hydrogen reduction of Mo4O11. International Journal of Refractory Metals and Hard Materials, 2015, 51, 275-281. | 1.7 | 16 |

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|---|---|---|---|
| 55 | Preparation of single-crystal spherical Î³-Mo 2 N by temperature-programmed reaction between Î²-MoO 3 and NH 3. Journal of Solid State Chemistry, 2017, 254, 96-102. | 1.4 | 16 |
| 56 | Nanostructured oxide dispersion strengthened Mo alloys from Mo nanopowder doping with oxide nanoparticles. Journal of Materials Research and Technology, 2019, 8, 5753-5762. | 2.6 | 16 |
| 57 | Fabrication of pure V2O3 powders by reducing V2O5 powders with CO-CO2 mixed gases. Ceramics International, 2019, 45, 2117-2123. | 2.3 | 16 |
| 58 | 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. | 1.0 | 16 |
| 59 | Synthesis of high purity nano-sized transition-metal carbides. Journal of Materials Research and Technology, 2020, 9, 11778-11790. | 2.6 | 16 |
| 60 | 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. | 1.0 | 16 |
| 61 | Preparation of Ultrafine Tungsten-Molybdenum Composite Powder and Its Sintering Behavior. Metals and Materials International, 2021, 27, 1649-1661. | 1.8 | 16 |
| 62 | Deoxidation of Molten Steel by Aluminum. Journal of Iron and Steel Research International, 2015, 22, 905-908. | 1.4 | 15 |
| 63 | 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. | 1.7 | 15 |
| 64 | Preparation and purification of titanium carbide via vacuum carbothermic reduction of ilmenite. Vacuum, 2018, 151, 51-60. | 1.6 | 15 |
| 65 | A new route for preparing Mo-10wt.%Cu composite compacts. International Journal of Refractory Metals and Hard Materials, 2019, 81, 196-205. | 1.7 | 15 |
| 66 | Low-temperature synthesis of single-phase refractory metal compound carbides. International Journal of Refractory Metals and Hard Materials, 2021, 98, 105567. | 1.7 | 15 |
| 67 | Superior strength-ductility synergy in a novel tailored Zr-based particle-strengthened medium W content alloys. Composites Part B: Engineering, 2022, 236, 109817. | 5.9 | 15 |
| 68 | A Novel Process to Synthesize High-Quality Ferrovanadium Nitride. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 3405-3412. | 1.0 | 14 |
| 69 | 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. | 1.0 | 14 |
| 70 | 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. | 2.4 | 14 |
| 71 | Densification behavior of ultrafine W-Ni-Fe composite powders produced by a two-stage reduction process. Powder Technology, 2020, 360, 430-443. | 2.1 | 14 |
| 72 | 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. | 1.0 | 13 |

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|---|---|---|---|
| 73 | Preparation of SiS and SiO<sub>2</sub> Nanospheres. Industrial & Engineering Chemistry Research, 2017, 56, 12362-12368. | 1.8 | 13 |
| 74 | 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. | 1.7 | 13 |
| 75 | A novel method for preparing ultrafine molybdenum powder. International Journal of Refractory Metals and Hard Materials, 2021, 96, 105491. | 1.7 | 13 |
| 76 | 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. | 2.6 | 13 |
| 77 | N-doped graphene supported W2C/WC as efficient electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 902-916. | 3.8 | 13 |
| 78 | Effects of oxide addition on structure and properties of WCâ€“10Co cemented carbide obtained by in situ synthesized powder. International Journal of Applied Ceramic Technology, 2022, 19, 1916-1928. | 1.1 | 13 |
| 79 | Deoxidation of Liquid Steel with Molten Slag by Using Electrochemical Method. ISIJ International, 2014, 54, 2767-2771. | 0.6 | 12 |
| 80 | 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. | 1.4 | 12 |
| 81 | Pyrophoric behaviour of ultrafine Mo powder. Corrosion Science, 2017, 128, 85-93. | 3.0 | 12 |
| 82 | Study on the preparation of molybdenum silicides by the silicothermic reduction of MoS2. Journal of Alloys and Compounds, 2017, 728, 295-306. | 2.8 | 12 |
| 83 | Preparation of Ultrafine W-10ÂWtÂPct Cu Composite Powders and Their Corresponding Sintered Compacts. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4827-4838. | 1.1 | 12 |
| 84 | 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. | 1.7 | 12 |
| 85 | 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. | 0.9 | 12 |
| 86 | Preparation and properties of Al2O3 dispersed fine-grained W-Cu alloy. Advanced Powder Technology, 2022, 33, 103523. | 2.0 | 12 |
| 87 | Modeling the Viscosity of Aluminoâ€Silicate Melt. Steel Research International, 2013, 84, 631-637. | 1.0 | 11 |
| 88 | Preparation of Mo2C by reducing ultrafine spherical Î²-MoO3 powders with CO or CO-CO2 gases. Journal of the Australian Ceramic Society, 2018, 54, 97-107. | 1.1 | 11 |
| 89 | A lowâ€cost and efficient pathway for preparation of 2D MoN nanosheets via Na<sub>2</sub>CO<sub>3</sub>â€assisted nitridation of MoS<sub>2</sub> with NH<sub>3</sub>. Journal of the American Ceramic Society, 2019, 102, 7178-7186. | 1.9 | 11 |
| 90 | Preparation of refractory metal diboride powder by reducing refractory metal oxide with calcium hexaboride. Ceramics International, 2019, 45, 15772-15777. | 2.3 | 11 |

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| 91 | Topochemical synthesis of holey 2D molybdenum nitrides nanosheets via lime-assisted nitridation of layered MoS2. Ceramics International, 2020, 46, 4024-4029. | 2.3 | 11 |
| 92 | A facile pathway to prepare molybdenum boride powder from molybdenum and boron carbide. Journal of the American Ceramic Society, 2020, 103, 2399-2406. | 1.9 | 11 |
| 93 | 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. | 1.1 | 11 |
| 94 | Effect of CeO2 and VC co-doping on the microstructure and properties of WC-10Co cemented carbide. International Journal of Refractory Metals and Hard Materials, 2022, 108, 105938. | 1.7 | 11 |
| 95 | Non-isothermal reduction kinetics of titanomagnetite by hydrogen. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 1134-1140. | 2.4 | 10 |
| 96 | Electronic/Ionic Properties of Fe<sub>x</sub>Oâ€“SiO<sub>2</sub>â€“CaOâ€“Al<sub>2</sub>O<sub>3</sub> Slags at Various Oxygen Potentials and Temperatures. ISIJ International, 2015, 55, 2325-2331. | 1.6 | 10 |
| 97 | Study on reduction reaction of MoO<sub>2</sub> powder with <scp>NH</scp><sub>3</sub>. Journal of the American Ceramic Society, 2017, 100, 1368-1376. | 1.9 | 10 |
| 98 | A facile pathway to prepare VO2 and V2O3 powders via a carbothermal reduction process. Journal of Solid State Chemistry, 2018, 265, 299-305. | 1.4 | 10 |
| 99 | Preparation of Î±â€Si<sub>3</sub>N<sub>4</sub> by direct nitridation using polysilicon waste by diamond wire cutting. International Journal of Applied Ceramic Technology, 2020, 17, 84-93. | 1.1 | 10 |
| 100 | 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. | 2.6 | 10 |
| 101 | A short and facile process to synthesize WC-Co cemented carbides. International Journal of Refractory Metals and Hard Materials, 2020, 92, 105288. | 1.7 | 10 |
| 102 | Preparation of MoO2 by the Solid State Reaction Between MoS2 and MoO3. Jom, 2016, 68, 1031-1036. | 0.9 | 9 |
| 103 | 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. | 2.4 | 9 |
| 104 | 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. | 1.7 | 9 |
| 105 | Synthesis of High-Quality FeV55N Alloy by Carbonitrothermic Reduction of Vanadium Pentoxideâ€“Ferric Oxide Mixture. Jom, 2017, 69, 1676-1681. | 0.9 | 9 |
| 106 | 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. | 2.4 | 9 |
| 107 | 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. | 3.8 | 9 |
| 108 | Preparation of high-purity and ultrafine WC-Co composite powder by a simple two-step process. Advanced Powder Technology, 2020, 31, 1940-1945. | 2.0 | 9 |

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|---|---|---|---|
| 109 | Mixed alkali effect in SiO2-CaO-Al2O3-TiO2-R2O (RÂ=ÂLi, Na) glass ceramics. Journal of Alloys and Compounds, 2021, 856, 158239. | 2.8 | 9 |
| 110 | Recovery of high-grade copper matte by selective sulfurization of CuOâ€“Fe2O3â€“SiO2â€“CaO system. Journal of Materials Research and Technology, 2021, 13, 1676-1683. | 2.6 | 9 |
| 111 | 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. | 1.0 | 8 |
| 112 | Phase evolution and reaction mechanism during reductionâ€“nitridation process of titanium dioxide with ammonia. Journal of Materials Science, 2017, 52, 1255-1264. | 1.7 | 8 |
| 113 | Formation of submicrometer titanium nitride from a titanium dioxide/phenolic resin composite. Journal of Materials Science, 2017, 52, 7546-7554. | 1.7 | 8 |
| 114 | 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. | 1.0 | 8 |
| 115 | Preparation of Monophasic Tungsten boride powder from Tungsten and boron carbide. Ceramics International, 2021, 47, 9543-9550. | 2.3 | 8 |
| 116 | Effect of atmosphere control on magnetic properties of CaO-Al2O3-SiO2-Fe3O4 glass ceramics. Journal of the European Ceramic Society, 2021, 41, 2663-2673. | 2.8 | 8 |
| 117 | A facile route to prepare ODS WC Co cemented carbides. International Journal of Refractory Metals and Hard Materials, 2021, 98, 105569. | 1.7 | 8 |
| 118 | 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. | 1.1 | 8 |
| 119 | Formation of submicrometer titanium carbide from a titanium dioxide encapsulated in phenolic resin. Journal of Materials Science, 2016, 51, 7008-7015. | 1.7 | 7 |
| 120 | Corrosion behavior of carbon composite brick in high alumina slags. Ceramics International, 2018, 44, 5242-5249. | 2.3 | 7 |
| 121 | Low temperature synthesis of titanium diboride nanosheets by molten saltâ€“assisted borothermal reduction of TiO2. Journal of Nanoparticle Research, 2019, 21, 1. | 0.8 | 7 |
| 122 | Preparation of Ultrafine W Powder via Carbothermic Prereduction of Tungsten Oxide Followed by Deep Reduction with Hydrogen. Jom, 2020, 72, 379-384. | 0.9 | 7 |
| 123 | Study on the reduction of commercial MoO<sub>3</sub> with carbon black to prepare MoO<sub>2</sub> and Mo<sub>2</sub>C nanoparticles. International Journal of Applied Ceramic Technology, 2020, 17, 917-931. | 1.1 | 7 |
| 124 | A universal method for the synthesis of refractory metal diborides. Ceramics International, 2021, 47, 14107-14114. | 2.3 | 7 |
| 125 | A novel sulfurâ€emission free route for preparing ultrafine MoSi 2 powder by silicothermic reduction of MoS 2. Journal of the American Ceramic Society, 2021, 104, 6092. | 1.9 | 7 |
| 126 | Fabrication and performances of WCâ€Co cemented carbide with a low cobalt content. International Journal of Applied Ceramic Technology, 2022, 19, 1341-1353. | 1.1 | 7 |

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|---|---|---|---|
| 127 | Calculation of Physicochemical Properties with Limited Discrete Data in Multicomponent Systems. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2009, 40, 223-232. | 1.0 | 6 |
| 128 | A New Route to Produce Submicron Mo Powders via Carbothermal Pre-reduction Followed by Deep Magnesium Reduction. Jom, 2018, 70, 2561-2566. | 0.9 | 6 |
| 129 | Synthesis of submicrometric VB2 powders by a boro-carbothermal reduction route. Ceramics International, 2019, 45, 2492-2497. | 2.3 | 6 |
| 130 | Preparation of CaB6 powder via calciothermic reduction of boron carbide. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 37-45. | 2.4 | 6 |
| 131 | Synthesis of high-purity ultrafine tungsten and tungsten carbide powders. Transactions of Nonferrous Metals Society of China, 2020, 30, 1697-1706. | 1.7 | 6 |
| 132 | Topochemical synthesis of two-dimensional molybdenum carbide (Mo2C) via Na2CO3-Assited carbothermal reduction of 2Hâ€“MoS2. Materials Chemistry and Physics, 2020, 244, 122713. | 2.0 | 6 |
| 133 | Synthesis of high-quality ferrovanadium nitride by carbothermal reduction nitridation method. Journal of Iron and Steel Research International, 2021, 28, 255-262. | 1.4 | 6 |
| 134 | Fabrication and Mechanical Properties of Mo-Al2O3 Cermets by Using Ultrafine Molybdenum and Nano-sized Alumina Powders. Jom, 2021, 73, 3451-3459. | 0.9 | 6 |
| 135 | Preparation of nano-scaled WC powder by low-temperature carbothermic reduction method. International Journal of Refractory Metals and Hard Materials, 2022, 102, 105724. | 1.7 | 6 |
| 136 | Preparations of lanthanum hexaboride (LaB<sub>6</sub>) and cerium hexaboride (CeB<sub>6</sub>). Journal of the American Ceramic Society, 2022, 105, 1954-1966. | 1.9 | 6 |
| 137 | Controllable syntheses of Mo5Si3 and Mo3Si by silicothermic reduction of MoS2 in the presence of lime. Ceramics International, 2022, 48, 7815-7826. | 2.3 | 6 |
| 138 | Mechanism of Sodium Carbonate-Assisted Carbothermic Reduction of Titanomagnetite Concentrate. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2022, 53, 2272-2292. | 1.0 | 6 |
| 139 | Preparation of High-Quality FeV55N Using Ammonia as a Reductant and Nitrogen Source. Jom, 2018, 70, 2493-2498. | 0.9 | 5 |
| 140 | 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. | 1.7 | 5 |
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| 142 | Topochemical synthesis of one-dimensional Mo2C nanobelts. Ceramics International, 2020, 46, 12891-12896. | 2.3 | 5 |
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