

Bo Liu

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,242
citations

236925

25
h-index

223800

46
g-index

52
all docs

52
docs citations

52
times ranked

1869
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Using coal fly ash-based geopolymer to immobilize Cd from lead fuming furnace slag. <i>Rare Metals</i> , 2023, 42, 1056-1060. | 7.1 | 7 |
| 2 | Synergistic effect of cobalt and niobium in Co ₃ -Nb-Ox on performance of selective catalytic reduction of NO with NH ₃ . <i>Rare Metals</i> , 2022, 41, 166-178. | 7.1 | 19 |
| 3 | Promotion effect of niobium on ceria catalyst for selective catalytic reduction of NO with NH ₃ . <i>Journal of Rare Earths</i> , 2022, 40, 1535-1545. | 4.8 | 9 |
| 4 | Phase evolution and properties of glass ceramic foams prepared by bottom ash, fly ash and pickling sludge. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 563-573. | 4.9 | 16 |
| 5 | Tar induced deactivation and regeneration of a commercial V ₂ O ₅ -MoO ₃ /TiO ₂ catalyst during selective catalytic reduction of NO with NH ₃ . <i>Fuel</i> , 2022, 316, 123324. | 6.4 | 3 |
| 6 | A novel approach for preparing glass ceramic foams from MSWI fly ash: foaming characteristics and hierarchical pore formation mechanism. <i>Journal of Materials Research and Technology</i> , 2022, 18, 731-744. | 5.8 | 17 |
| 7 | Phase transition during nucleation process in calcium aluminate glass-ceramics manufactured from secondary aluminum dross. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165010. | 5.5 | 10 |
| 8 | Microstructure evolution and properties of 7075 aluminum alloy recycled from scrap aircraft aluminum alloys. <i>Journal of Materials Research and Technology</i> , 2022, 19, 354-367. | 5.8 | 28 |
| 9 | Recycling of extracted titanium slag and gold tailings for preparation of self-glazed ceramic foams. <i>Ceramics International</i> , 2022, 48, 23415-23427. | 4.8 | 14 |
| 10 | Homogeneous reduction for heavy metals from pickling sludge with aluminum nitride from secondary aluminum dross in aluminosilicate melt "solution"™ environment. <i>Journal of Cleaner Production</i> , 2022, 362, 132358. | 9.3 | 11 |
| 11 | Recovery of Fe, Cr and Ni in pickling sludge with aluminum nitride in secondary aluminum dross. <i>Minerals Engineering</i> , 2022, 184, 107659. | 4.3 | 6 |
| 12 | Hierarchically porous glass"ceramics by alkaline activation and crystallization from municipal solid waste incineration ashes. <i>Journal of Cleaner Production</i> , 2022, 364, 132693. | 9.3 | 10 |
| 13 | Theoretical and experimental on the thermodynamic, kinetic and phase evolution characteristics of secondary aluminum ash. <i>Journal of Materials Research and Technology</i> , 2022, 19, 3857-3866. | 5.8 | 8 |
| 14 | Highly porous ceramics production using slags from smelting of spent automotive catalysts. <i>Resources, Conservation and Recycling</i> , 2021, 166, 105373. | 10.8 | 26 |
| 15 | Separation and purification of platinum group metals from aqueous solution: Recent developments and industrial applications. <i>Resources, Conservation and Recycling</i> , 2021, 167, 105417. | 10.8 | 50 |
| 16 | Migration, transformation and solidification/stabilization mechanisms of heavy metals in glass-ceramics made from MSWI fly ash and pickling sludge. <i>Ceramics International</i> , 2021, 47, 21599-21609. | 4.8 | 25 |
| 17 | The Advancement of 7XXX Series Aluminum Alloys for Aircraft Structures: A Review. <i>Metals</i> , 2021, 11, 718. | 2.3 | 96 |
| 18 | Preparation of glass"ceramics from high-chlorine MSWI fly ash by one-step process. <i>Rare Metals</i> , 2021, 40, 3316-3328. | 7.1 | 17 |

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|----|---|------|-----------|
| 19 | A review of glass ceramic foams prepared from solid wastes: Processing, heavy-metal solidification and volatilization, applications. <i>Science of the Total Environment</i> , 2021, 781, 146727. | 8.0 | 70 |
| 20 | Microstructure evolution of recycled 7075 aluminum alloy and its mechanical and corrosion properties. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160407. | 5.5 | 40 |
| 21 | Highly efficient recovery of platinum, palladium, and rhodium from spent automotive catalysts via iron melting collection. <i>Resources, Conservation and Recycling</i> , 2020, 155, 104644. | 10.8 | 64 |
| 22 | Degradation technologies and mechanisms of dioxins in municipal solid waste incineration fly ash: A review. <i>Journal of Cleaner Production</i> , 2020, 250, 119507. | 9.3 | 111 |
| 23 | Study on glass-ceramics made from MSWI fly ash, pickling sludge and waste glass by one-step process. <i>Journal of Cleaner Production</i> , 2020, 271, 122674. | 9.3 | 62 |
| 24 | Preparation and characterization of glass ceramic foams based on municipal solid waste incineration ashes using secondary aluminum ash as foaming agent. <i>Construction and Building Materials</i> , 2020, 262, 120781. | 7.2 | 58 |
| 25 | Emerging pollutants—Part II: Treatment. <i>Water Environment Research</i> , 2020, 92, 1603-1617. | 2.7 | 12 |
| 26 | Process and mechanism of electrolytic enrichment of PGMs from Fe-PGMs alloy. <i>Journal of Cleaner Production</i> , 2020, 271, 122829. | 9.3 | 10 |
| 27 | Effect of oxygen vacancies on ceria catalyst for selective catalytic reduction of NO with NH ₃ . <i>Applied Surface Science</i> , 2020, 529, 147068. | 6.1 | 60 |
| 28 | Suppression of N ₂ O formation by H ₂ O and SO ₂ in the selective catalytic reduction of NO with NH ₃ over a Mn/Ti—Si catalyst. <i>Catalysis Science and Technology</i> , 2019, 9, 4759-4770. | 4.1 | 37 |
| 29 | Comparative study on transition element doped Mn—Zr—Ti-oxides catalysts for the low-temperature selective catalytic reduction of NO with NH ₃ . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 637-652. | 1.7 | 5 |
| 30 | Emerging pollutants—Part II: Treatment. <i>Water Environment Research</i> , 2019, 91, 1390-1401. | 2.7 | 20 |
| 31 | Integrated utilization of municipal solid waste incineration fly ash and bottom ash for preparation of foam glass—ceramics. <i>Rare Metals</i> , 2019, 38, 914-921. | 7.1 | 32 |
| 32 | An Efficient Leaching of Palladium from Spent Catalysts through Oxidation with Fe(III). <i>Materials</i> , 2019, 12, 1205. | 2.9 | 39 |
| 33 | Controlling the Composition and Magnetic Properties of Nano-SrFe ₁₂ O ₁₉ Powder Synthesized from Oily Cold Mill Sludge by the Citrate Precursor Method. <i>Materials</i> , 2019, 12, 1250. | 2.9 | 9 |
| 34 | Recovery of Platinum from Spent Petroleum Catalysts: Optimization Using Response Surface Methodology. <i>Metals</i> , 2019, 9, 354. | 2.3 | 33 |
| 35 | Selective catalytic reduction of NO _x with NH ₃ over Mn—Zr—Ti mixed oxide catalysts. <i>Journal of Materials Science</i> , 2019, 54, 6943-6960. | 3.7 | 21 |
| 36 | Recovery of precious metals from electronic waste and spent catalysts: A review. <i>Resources, Conservation and Recycling</i> , 2019, 141, 284-298. | 10.8 | 275 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Production of glass-ceramics using Municipal solid waste incineration fly ash. <i>Rare Metals</i> , 2019, 38, 245-251. | 7.1 | 36 |
| 38 | Crystallization mechanism of glass-ceramics prepared from stainless steel slag. <i>Rare Metals</i> , 2018, 37, 413-420. | 7.1 | 28 |
| 39 | High N ₂ selectivity in selective catalytic reduction of NO with NH ₃ over Mn/Ti-Zr catalysts. <i>RSC Advances</i> , 2018, 8, 12733-12741. | 3.6 | 28 |
| 40 | Preparation and formation mechanism of monodisperse micaceous iron oxide from iron chromium grinding waste. <i>Powder Technology</i> , 2018, 329, 401-408. | 4.2 | 6 |
| 41 | The mechanisms of heavy metal immobilization by cementitious material treatments and thermal treatments: A review. <i>Journal of Environmental Management</i> , 2017, 193, 410-422. | 7.8 | 189 |
| 42 | Supply and demand of some critical metals and present status of their recycling in WEEE. <i>Waste Management</i> , 2017, 65, 113-127. | 7.4 | 198 |
| 43 | A review of Mn-containing oxide catalysts for low temperature selective catalytic reduction of NO _x with NH ₃ : reaction mechanism and catalyst deactivation. <i>RSC Advances</i> , 2017, 7, 26226-26242. | 3.6 | 135 |
| 44 | Immobilization mechanism of Pb in fly ash-based geopolymer. <i>Construction and Building Materials</i> , 2017, 134, 123-130. | 7.2 | 102 |
| 45 | Integrated process for recycling copper anode slime from electronic waste smelting. <i>Journal of Cleaner Production</i> , 2017, 165, 48-56. | 9.3 | 36 |
| 46 | Synthesis and Characterization of Micaceous Iron Oxide Pigment from Oily Cold Rolling Mill Sludge. <i>Procedia Environmental Sciences</i> , 2016, 31, 653-661. | 1.4 | 17 |
| 47 | Polymer content and particle size effects on polymer-bonded Terfenol-D/PZT magnetoelectric composites. <i>Materials Letters</i> , 2016, 175, 93-95. | 2.6 | 3 |
| 48 | Glass-ceramics one-step crystallization accomplished by building Ca ²⁺ and Mg ²⁺ fast diffusion layer around diopside crystal. <i>Journal of Alloys and Compounds</i> , 2016, 688, 709-714. | 5.5 | 24 |
| 49 | Treatment method of hazardous pickling sludge by reusing as glass-ceramics nucleation agent. <i>Rare Metals</i> , 2016, 35, 269-274. | 7.1 | 27 |
| 50 | Challenges in legislation, recycling system and technical system of waste electrical and electronic equipment in China. <i>Waste Management</i> , 2015, 45, 361-373. | 7.4 | 64 |
| 51 | Bonded cylindrical Terfenol-D-epoxy/PZT magnetoelectric composites prepared by the one-step compression molding. <i>AIP Advances</i> , 2015, 5, . | 1.3 | 6 |
| 52 | Strontium ferrite powders prepared from oily cold rolling mill sludge by solid-state reaction method. <i>Rare Metals</i> , 2013, 32, 518-523. | 7.1 | 13 |