# Hong-Yi Li

List of Publications by Year
in descending order

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| 52 | 1,448 | 361413 | 330143 |
|---|---|---|---|
| papers | citations | 20 h-index | 37 g-index |

| 68 | 68 | 68 | 1088 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis and Solubility Behavior of Magnesium Ortho-, Meta-, and Pyrovanadates. Jom, 2022, 74, 23-29. | 1.9 | 2 |
| 2 | Ecofriendly Selective Extraction of Vanadium from Vanadium Slag with High Chromium Content via Magnesiation Roastingâ€“Acid Leaching. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2022, 53, 604-616. | 2.1 | 5 |
| 3 | Switchable and Strainâ€Releasable Mgâ€Ion Diffusion Nanohighway Enables Highâ€Capacity and Longâ€Life Pyrovanadate Cathode. Small, 2022, 18, . | 10.0 | 4 |
| 4 | Eco-friendly chromium recovery from hazardous chromium-containing vanadium extraction tailings via low-dosage roasting. Chemical Engineering Research and Design, 2022, 164, 818-826. | 5.6 | 7 |
| 5 | A novel process for comprehensive resource utilization of hazardous chromium sludge: Progressive recovery of Si, V, Fe and Cr. Journal of Hazardous Materials, 2021, 405, 124669. | 12.4 | 17 |
| 6 | Study on Saturated Solubility of MgO in Converter Vanadium Slag. Jom, 2021, 73, 999-1003. | 1.9 | 5 |
| 7 | An Effective Way to Extract Cr from Cr-Containing Tailings. Minerals, Metals and Materials Series, 2021, , 321-326. | 0.4 | 0 |
| 8 | Study on the phase evolution and element migration of vanadium oxide during the nitridation process. Metallurgical Research and Technology, 2021, 118, 309. | 0.7 | 0 |
| 9 | Effect of MgO on Oxidation of Vanadium Slag at High Temperature. Minerals, Metals and Materials Series, 2021, , 177-185. | 0.4 | 2 |
| 10 | Highly efficient separation and recovery of Si, V, and Cr from V-Cr-bearing reducing slag. Separation and Purification Technology, 2021, 263, 118396. | 7.9 | 13 |
| 11 | Microemulsion leaching of vanadium from sodium-roasted vanadium slag by fusion of leaching and extraction processes. International Journal of Minerals, Metallurgy and Materials, 2021, 28, 974-980. | 4.9 | 15 |
| 12 | Investigation of Properties of Air-Quenched Steel Slag as Sandblasting Abrasive. Jom, 2021, 73, 2995-2999. | 1.9 | 5 |
| 13 | Oxidation Mechanism of Vanadium Slag with High MgO Content at High Temperature. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 494-501. | 2.1 | 5 |
| 14 | Quick valence analysis method of vanadium toward accurate toxicity assessment of vanadium-containing hazardous wastes. Transactions of Nonferrous Metals Society of China, 2021, 31, 3602-3612. | 4.2 | 4 |
| 15 | Steering polyoxometalate transformation from octahedral to tetrahedral coordination by counter-cations. Dalton Transactions, 2020, 49, 583-587. | 3.3 | 6 |
| 16 | Microemulsion extraction: An efficient way for simultaneous detoxification and resource recovery of hazardous wastewater containing V(V) and Cr(VI). Journal of Hazardous Materials, 2020, 386, 121948. | 12.4 | 29 |
| 17 | Green one-step roasting method for efficient extraction of vanadium and chromium from vanadium-chromium slag. Powder Technology, 2020, 360, 503-508. | 4.2 | 37 |
| 18 | Efficient separation of V(V) and Cr(VI) in aqua by microemulsion extraction. Separation and Purification Technology, 2020, 238, 116409. | 7.9 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Recovery of vanadium from vanadium slag with high phosphorus content via recyclable microemulsion extraction. Hydrometallurgy, 2020, 198, 105509. | 4.3 | 16 |
| 20 | Facile synthesis of bio-inspired anemone-like VS4 nanomaterials for long-life supercapacitors with high energy density. Journal of Power Sources, 2020, 457, 228031. | 7.8 | 11 |
| 21 | Magnesiation roasting-acid leaching: A zero-discharge method for vanadium extraction from vanadium slag. Journal of Cleaner Production, 2020, 260, 121091. | 9.3 | 55 |
| 22 | Novel VS4 Nanorods Synthesized by a Facile Solvothermal Method for High Performance Electrochemical Capacitor Electrode. Minerals, Metals and Materials Series, 2020, , 1529-1537. | 0.4 | 1 |
| 23 | Re-examination of complexation behaviors of V(<scp>v</scp>) and V(<scp>iv</scp>): experimental investigation and theoretical simulation. Journal of Analytical Atomic Spectrometry, 2020, 35, 878-885. | 3.0 | 5 |
| 24 | Study on Vanadium Phase Evolution Law in Vanadium Slag During the Interface Reaction Process of Sodium Roasting. Minerals, Metals and Materials Series, 2020, , 253-264. | 0.4 | 1 |
| 25 | Novel Strategy for Green Comprehensive Utilization of Vanadium Slag with High-Content Chromium. ACS Sustainable Chemistry and Engineering, 2019, 7, 18133-18141. | 6.7 | 24 |
| 26 | A novel anion exchange method based on in situ selectively reductive desorption of Cr(VI) for its separation from V(V): Toward the comprehensive use of hazardous wastewater. Journal of Hazardous Materials, 2019, 368, 670-679. | 12.4 | 24 |
| 27 | Study on the Roasting Mechanism of Vanadiumâ€“Chromium Slag with Sodium Hydroxide. Minerals, Metals and Materials Series, 2019, , 51-59. | 0.4 | 1 |
| 28 | Atomic atmosphere: a way to understand phase evolution during vanadium slag roasting at the atomic level. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 927-932. | 1.1 | 9 |
| 29 | Hydrangea-Like VS4 Microspheres: A Novel Structure Material for High-Performance Electrochemical Capacitor Electrode. Minerals, Metals and Materials Series, 2019, , 165-172. | 0.4 | 0 |
| 30 | Novel 3D V 2 O 5 nanocorals with continuous size-gradient mesopore channels for high performance supercapacitors. Materials Letters, 2018, 220, 12-15. | 2.6 | 11 |
| 31 | Batch Studies for Removing Vanadium(V) and Chromium(VI) from Aqueous Solution Using Anion Exchange Resin. Minerals, Metals and Materials Series, 2018, , 291-298. | 0.4 | 2 |
| 32 | On-site chemosensing and quantification of Cr(VI) in industrial wastewater using one-step synthesized fluorescent carbon quantum dots. Sensors and Actuators B: Chemical, 2018, 277, 30-38. | 7.8 | 33 |
| 33 | Extraction of Vanadium from Vanadium-Containing APV-Precipitated Wastewater by W/O Microemulsion System. Minerals, Metals and Materials Series, 2018, , 309-318. | 0.4 | 1 |
| 34 | V<sub>2</sub>O<sub>3</sub> nanofoam@activated carbon composites as electrode materials of supercapacitors. Functional Materials Letters, 2017, 10, 1750077. | 1.2 | 11 |
| 35 | High-Performance Supercapacitors Based on Hierarchical VOx Microspheres Forming from Hyperbranched Nanoribbons. Minerals, Metals and Materials Series, 2017, , 3-12. | 0.4 | 0 |
| 36 | Non-isothermal Crystallization Kinetics of Spinels in Vanadium Slag with High CaO Content. Jom, 2016, 68, 2520-2524. | 1.9 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Structural Characterization of FeOâ€“SiO<sub>2</sub>â€“V<sub>2</sub>O<sub>3</sub> Slags Using Molecular Dynamics Simulations and FT-IR Spectroscopy. ISIJ International, 2016, 56, 828-834. | 1.4 | 23 |
| 38 | Removal of V(V) from aqueous Cr(VI)-bearing solution using anion exchange resin: Equilibrium and kinetics in batch studies. Hydrometallurgy, 2016, 165, 381-389. | 4.3 | 41 |
| 39 | Selective leaching of vanadium in calcification-roasted vanadium slag by ammonium carbonate. Hydrometallurgy, 2016, 160, 18-25. | 4.3 | 131 |
| 40 | Influence of CaO on Existence form of Vanadium-containing Phase in Vanadium Slag. ISIJ International, 2015, 55, 200-206. | 1.4 | 42 |
| 41 | Synthesis of ultralong (NH<sub>4</sub>)<sub>2</sub>V<sub>6</sub>O<sub>16</sub>Â·1.5H<sub>2</sub>O nanobelts for application in supercapacitors. Materials Technology, 2015, 30, A109-A114. | 3.0 | 23 |
| 42 | Tuned hydrothermal synthesis of vanadium dioxide nanotubes. Ceramics International, 2015, 41, 13967-13973. | 4.8 | 10 |
| 43 | Asynchronous extraction of vanadium and chromium from vanadium slag by stepwise sodium roastingâ€“water leaching. Hydrometallurgy, 2015, 156, 124-135. | 4.3 | 207 |
| 44 | Hierarchical vanadium oxide microspheres forming from hyperbranched nanoribbons as remarkably high performance electrode materials for supercapacitors. Journal of Materials Chemistry A, 2015, 3, 22892-22901. | 10.3 | 63 |
| 45 | Leaching kinetics of calcification roasted vanadium slag with high CaO content by sulfuric acid. International Journal of Mineral Processing, 2014, 133, 105-111. | 2.6 | 115 |
| 46 | Micelle anchored in situ synthesis of V<sub>2</sub>O<sub>3</sub>nanoflakes@C composites for supercapacitors. Journal of Materials Chemistry A, 2014, 2, 18806-18815. | 10.3 | 89 |
| 47 | Effective Chromium Extraction from Chromium-containing Vanadium Slag by Sodium Roasting and Water Leaching. ISIJ International, 2012, 52, 1958-1965. | 1.4 | 60 |
| 48 | Amperometric hydrogen peroxide biosensor based on the immobilization of heme proteins on gold nanoparticlesâ€“bacteria cellulose nanofibers nanocomposite. Talanta, 2011, 84, 71-77. | 5.5 | 107 |
| 49 | Determination of binding parameters between lysozyme and its aptamer by frontal analysis continuous microchip electrophoresis (FACMCE). Journal of Chromatography A, 2011, 1218, 4052-4058. | 3.7 | 22 |
| 50 | Fabrication of Bienzymatic Glucose Biosensor Based on Novel Gold Nanoparticlesâ€Bacteria Cellulose Nanofibers Nanocomposite. Electroanalysis, 2010, 22, 2543-2550. | 2.9 | 70 |
| 51 | Chemiluminescently labeled aptamers as the affinity probe for interaction analysis by capillary electrophoresis. Electrophoresis, 2010, 31, 2452-2460. | 2.4 | 14 |
| 52 | Micropillar array chips toward new immunodiagnosis. Lab on A Chip, 2010, 10, 2597. | 6.0 | 23 |