

# Hong-Yi Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3722507/publications.pdf>

Version: 2024-02-01

52  
papers

1,448  
citations

361413

20  
h-index

330143

37  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asynchronous extraction of vanadium and chromium from vanadium slag by stepwise sodium roasting-water leaching. <i>Hydrometallurgy</i> , 2015, 156, 124-135.	4.3	207
2	Selective leaching of vanadium in calcification-roasted vanadium slag by ammonium carbonate. <i>Hydrometallurgy</i> , 2016, 160, 18-25.	4.3	131
3	Leaching kinetics of calcification roasted vanadium slag with high CaO content by sulfuric acid. <i>International Journal of Mineral Processing</i> , 2014, 133, 105-111.	2.6	115
4	Amperometric hydrogen peroxide biosensor based on the immobilization of heme proteins on gold nanoparticles-bacteria cellulose nanofibers nanocomposite. <i>Talanta</i> , 2011, 84, 71-77.	5.5	107
5	Micelle anchored in situ synthesis of $V_2O_3$ nanoflakes@C composites for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18806-18815.	10.3	89
6	Fabrication of Bionzymatic Glucose Biosensor Based on Novel Gold Nanoparticles-Bacteria Cellulose Nanofibers Nanocomposite. <i>Electroanalysis</i> , 2010, 22, 2543-2550.	2.9	70
7	Hierarchical vanadium oxide microspheres forming from hyperbranched nanoribbons as remarkably high performance electrode materials for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22892-22901.	10.3	63
8	Effective Chromium Extraction from Chromium-containing Vanadium Slag by Sodium Roasting and Water Leaching. <i>ISIJ International</i> , 2012, 52, 1958-1965.	1.4	60
9	Magnesian roasting-acid leaching: A zero-discharge method for vanadium extraction from vanadium slag. <i>Journal of Cleaner Production</i> , 2020, 260, 121091.	9.3	55
10	Influence of CaO on Existence form of Vanadium-containing Phase in Vanadium Slag. <i>ISIJ International</i> , 2015, 55, 200-206.	1.4	42
11	Removal of V(V) from aqueous Cr(VI)-bearing solution using anion exchange resin: Equilibrium and kinetics in batch studies. <i>Hydrometallurgy</i> , 2016, 165, 381-389.	4.3	41
12	Green one-step roasting method for efficient extraction of vanadium and chromium from vanadium-chromium slag. <i>Powder Technology</i> , 2020, 360, 503-508.	4.2	37
13	On-site chemosensing and quantification of Cr(VI) in industrial wastewater using one-step synthesized fluorescent carbon quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 30-38.	7.8	33
14	Microemulsion extraction: An efficient way for simultaneous detoxification and resource recovery of hazardous wastewater containing V(V) and Cr(VI). <i>Journal of Hazardous Materials</i> , 2020, 386, 121948.	12.4	29
15	Novel Strategy for Green Comprehensive Utilization of Vanadium Slag with High-Content Chromium. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18133-18141.	6.7	24
16	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. <i>Journal of Hazardous Materials</i> , 2019, 368, 670-679.	12.4	24
17	Micropillar array chips toward new immunodiagnosis. <i>Lab on A Chip</i> , 2010, 10, 2597.	6.0	23
18	Synthesis of ultralong $(NH_4)_2V_6O_{16} \cdot 1.5H_2O$ nanobelts for application in supercapacitors. <i>Materials Technology</i> , 2015, 30, A109-A114.	3.0	23

#	ARTICLE	IF	CITATIONS
19	Structural Characterization of FeO <sub>2</sub> SiO <sub>2</sub> 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
20	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
21	Efficient separation of V(V) and Cr(VI) in aqua by microemulsion extraction. Separation and Purification Technology, 2020, 238, 116409.	7.9	19
22	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
23	Recovery of vanadium from vanadium slag with high phosphorus content via recyclable microemulsion extraction. Hydrometallurgy, 2020, 198, 105509.	4.3	16
24	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
25	Chemiluminescently labeled aptamers as the affinity probe for interaction analysis by capillary electrophoresis. Electrophoresis, 2010, 31, 2452-2460.	2.4	14
26	Non-isothermal Crystallization Kinetics of Spinel in Vanadium Slag with High CaO Content. Jom, 2016, 68, 2520-2524.	1.9	13
27	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
28	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
29	Novel 3D V <sub>2</sub> O <sub>5</sub> nanocorals with continuous size-gradient mesopore channels for high performance supercapacitors. Materials Letters, 2018, 220, 12-15.	2.6	11
30	Facile synthesis of bio-inspired anemone-like VS <sub>4</sub> nanomaterials for long-life supercapacitors with high energy density. Journal of Power Sources, 2020, 457, 228031.	7.8	11
31	Tuned hydrothermal synthesis of vanadium dioxide nanotubes. Ceramics International, 2015, 41, 13967-13973.	4.8	10
32	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
33	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
34	Steering polyoxometalate transformation from octahedral to tetrahedral coordination by counter-cations. Dalton Transactions, 2020, 49, 583-587.	3.3	6
35	Re-examination of complexation behaviors of V( <sup>sc</sup> v) and V( <sup>sc</sup> iv): experimental investigation and theoretical simulation. Journal of Analytical Atomic Spectrometry, 2020, 35, 878-885.	3.0	5
36	Study on Saturated Solubility of MgO in Converter Vanadium Slag. Jom, 2021, 73, 999-1003.	1.9	5

#	ARTICLE	IF	CITATIONS
37	Investigation of Properties of Air-Quenched Steel Slag as Sandblasting Abrasive. <i>Jom</i> , 2021, 73, 2995-2999.	1.9	5
38	Oxidation Mechanism of Vanadium Slag with High MgO Content at High Temperature. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 494-501.	2.1	5
39	Ecofriendly Selective Extraction of Vanadium from Vanadium Slag with High Chromium Content via Magnesiation Roasting-Acid Leaching. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2022, 53, 604-616.	2.1	5
40	Quick valence analysis method of vanadium toward accurate toxicity assessment of vanadium-containing hazardous wastes. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 3602-3612.	4.2	4
41	Switchable and Strain-Releasable Mg-Ion Diffusion Nanohighway Enables High-Capacity and Long-Life Pyrovanadate Cathode. <i>Small</i> , 2022, 18, .	10.0	4
42	Batch Studies for Removing Vanadium(V) and Chromium(VI) from Aqueous Solution Using Anion Exchange Resin. <i>Minerals, Metals and Materials Series</i> , 2018, , 291-298.	0.4	2
43	Effect of MgO on Oxidation of Vanadium Slag at High Temperature. <i>Minerals, Metals and Materials Series</i> , 2021, , 177-185.	0.4	2
44	Synthesis and Solubility Behavior of Magnesium Ortho-, Meta-, and Pyrovanadates. <i>Jom</i> , 2022, 74, 23-29.	1.9	2
45	Study on the Roasting Mechanism of Vanadium-Chromium Slag with Sodium Hydroxide. <i>Minerals, Metals and Materials Series</i> , 2019, , 51-59.	0.4	1
46	Novel VS <sub>4</sub> Nanorods Synthesized by a Facile Solvothermal Method for High Performance Electrochemical Capacitor Electrode. <i>Minerals, Metals and Materials Series</i> , 2020, , 1529-1537.	0.4	1
47	Extraction of Vanadium from Vanadium-Containing APV-Precipitated Wastewater by W/O Microemulsion System. <i>Minerals, Metals and Materials Series</i> , 2018, , 309-318.	0.4	1
48	Study on Vanadium Phase Evolution Law in Vanadium Slag During the Interface Reaction Process of Sodium Roasting. <i>Minerals, Metals and Materials Series</i> , 2020, , 253-264.	0.4	1
49	An Effective Way to Extract Cr from Cr-Containing Tailings. <i>Minerals, Metals and Materials Series</i> , 2021, , 321-326.	0.4	0
50	Study on the phase evolution and element migration of vanadium oxide during the nitridation process. <i>Metallurgical Research and Technology</i> , 2021, 118, 309.	0.7	0
51	High-Performance Supercapacitors Based on Hierarchical VO <sub>x</sub> Microspheres Forming from Hyperbranched Nanoribbons. <i>Minerals, Metals and Materials Series</i> , 2017, , 3-12.	0.4	0
52	Hydrangea-Like VS <sub>4</sub> Microspheres: A Novel Structure Material for High-Performance Electrochemical Capacitor Electrode. <i>Minerals, Metals and Materials Series</i> , 2019, , 165-172.	0.4	0