

Yinghe He

List of Publications by Year in descending order

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80
papers

6,152
citations

136950

32
h-index

66911

78
g-index

80
all docs

80
docs citations

80
times ranked

6448
citing authors

#	ARTICLE	IF	CITATIONS
1	On the sustainability of lithium ion battery industry – A review and perspective. Energy Storage Materials, 2021, 36, 186-212.	18.0	425
2	Electrochemical behaviour of the oxidative dissolution of arsenopyrite catalysed by Ag ⁺ in 9K culture medium. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126169.	4.7	9
3	The role of organic compounds in the recovery of valuable metals from primary and secondary sources: a mini-review. Resources, Conservation and Recycling, 2021, 174, 105813.	10.8	24
4	Preparation and lithium storage properties of C@TiO ₂ /3D carbon hollow sphere skeleton composites. Journal of Alloys and Compounds, 2020, 815, 152511.	5.5	8
5	Electrochemical behaviour of the dissolution and passivation of arsenopyrite in 9K culture medium. Applied Surface Science, 2020, 508, 145269.	6.1	16
6	Biodiesel production via simultaneous transesterification and esterification reactions over SrO–ZnO/Al ₂ O ₃ as a bifunctional catalyst using high acidic waste cooking oil. Chemical Engineering Research and Design, 2020, 162, 238-248.	5.6	62
7	Esterification and transesterification over SrO–ZnO/Al ₂ O ₃ as a novel bifunctional catalyst for biodiesel production. Renewable Energy, 2020, 158, 388-399.	8.9	66
8	Recent advances in sensors for electrochemical analysis of nitrate in food and environmental matrices. Analyst, The, 2020, 145, 5400-5413.	3.5	41
9	Thiosulphate leaching of gold in the Cu–NH ₃ –S ₂ O ₃ ²⁻ –H ₂ O system: An updated thermodynamic analysis using predominance area and species distribution diagrams. Minerals Engineering, 2020, 151, 106336.	4.3	33
10	The catalytic effect of copper ion in the bioleaching of arsenopyrite by Acidithiobacillus ferrooxidans in 9K culture medium. Journal of Cleaner Production, 2020, 256, 120391.	9.3	20
11	Erratum to ‘Arsenic vitrification by copper slag based glass: Mechanism and stability studies’ [Journal of non-crystalline solids 466 (2017) 21–28]. Journal of Non-Crystalline Solids, 2019, 503-504, 409.	3.1	2
12	Simultaneous Removal of S and As from a Refractory Gold Ore in a Single Stage O ₂ -Enriched Roasting Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 1588-1596.	2.1	8
13	Characteristics of unsteadiness for transitional plane fountains in linearly stratified fluids. International Communications in Heat and Mass Transfer, 2019, 100, 83-97.	5.6	2
14	Improving gold recovery from a refractory ore via Na ₂ SO ₄ assisted roasting and alkaline Na ₂ S leaching. Hydrometallurgy, 2019, 185, 133-141.	4.3	33
15	Removal of dissolved metals in wetland columns filled with shell grits and plant biomass. Chemical Engineering Journal, 2018, 331, 234-241.	12.7	40
16	Study on Formation Mechanism of Fayalite (Fe ₂ SiO ₄) by Solid State Reaction in Sintering Process. Jom, 2018, 70, 539-546.	1.9	29
17	Thermodynamic analysis of ammoniacal thiosulphate leaching of gold catalysed by Co(III)/Co(II) using Eh-pH and speciation diagrams. Hydrometallurgy, 2018, 178, 240-249.	4.3	36
18	Calcium-Ion Batteries: Current State-of-the-Art and Future Perspectives. Advanced Materials, 2018, 30, e1801702.	21.0	294

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19	Arsenic vitrification by copper slag based glass: Mechanism and stability studies. Journal of Non-Crystalline Solids, 2017, 466-467, 21-28.	3.1	49
20	Lithium recycling and cathode material regeneration from acid leach liquor of spent lithium-ion battery via facile co-extraction and co-precipitation processes. Waste Management, 2017, 64, 219-227.	7.4	253
21	Preparation of microparticles through co-flowing of partially miscible liquids. Chemical Engineering Journal, 2017, 320, 144-150.	12.7	13
22	Role of Lactic Acid Bacteria in the Eating Qualities of Fermented Rice Noodles. Cereal Chemistry, 2017, 94, 349-356.	2.2	19
23	Effect of Pyrite on Thiosulfate Leaching of Gold and the Role of Ammonium Alcohol Polyvinyl Phosphate (AAPP). Metals, 2017, 7, 278.	2.3	28
24	Co-flowing of partially miscible liquids for the generation of monodisperse microparticles. Advanced Powder Technology, 2017, 28, 2886-2892.	4.1	1
25	One-pot synthesis of NiO/C composite nanoparticles as anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2016, 671, 60-65.	5.5	39
26	Interaction behavior of triple transitional round fountains in a homogeneous fluid. International Journal of Heat and Fluid Flow, 2016, 62, 437-454.	2.4	0
27	Correlations for maximum penetration heights of transitional plane fountains in linearly stratified fluids. International Communications in Heat and Mass Transfer, 2016, 77, 64-77.	5.6	3
28	Hydrogen Permeation in Nanostructured Bainitic Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4896-4903.	2.2	10
29	Synthesis and performance of spherical $\text{LiNi}_x\text{Co}_y\text{Mn}_{1-x-y}\text{O}_2$ regenerated from nickel and cobalt scraps. Hydrometallurgy, 2016, 165, 358-369.	4.3	69
30	Thermal treatment process for the recovery of valuable metals from spent lithium-ion batteries. Hydrometallurgy, 2016, 165, 390-396.	4.3	202
31	Asymmetry and penetration of transitional plane fountains in stratified fluid. International Journal of Heat and Mass Transfer, 2015, 90, 1125-1142.	4.8	13
32	Formation of surface nanodroplets under controlled flow conditions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9253-9257.	7.1	113
33	Behavior of the interaction between twin transitional round fountains in a homogeneous fluid, Part 2: Numerical study. International Journal of Heat and Mass Transfer, 2015, 86, 973-991.	4.8	3
34	Behavior of the interaction between twin transitional round fountains in a homogeneous fluid, Part 1: Experimental study. International Journal of Heat and Mass Transfer, 2015, 86, 957-972.	4.8	3
35	Growth mechanisms for spherical mixed hydroxide agglomerates prepared by co-precipitation method: A case of $\text{Ni}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}(\text{OH})_2$. Journal of Alloys and Compounds, 2015, 619, 846-853.	5.5	68
36	Effect of Alkaline-Soluble Proteins on Pasting Properties of Nonwaxy Rice Flour. Cereal Chemistry, 2014, 91, 502-507.	2.2	6

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37	Recent progress in the development of Li ₂ MnSiO ₄ cathode materials. Journal of Power Sources, 2014, 253, 315-331.	7.8	89
38	Mesoporous manganese-deficient lithium manganese silicate cathodes for lithium-ion batteries. RSC Advances, 2014, 4, 11580-11584.	3.6	10
39	Li ₂ MnSiO ₄ cathodes modified by phosphorous substitution and the structural consequences. Solid State Ionics, 2014, 259, 29-39.	2.7	17
40	Influence of the cathodic activity of magnesium alloys on the electrochemical deposition of calcium phosphate. Materials Letters, 2014, 130, 184-187.	2.6	16
41	High Performance Composite Lithium-Rich Nickel Manganese Oxide Cathodes for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2013, 160, A1856-A1862.	2.9	35
42	An electron energy loss spectroscopy and electron diffraction study of the Pmnb polymorph of Li ₂ MnSiO ₄ . Journal of Alloys and Compounds, 2013, 551, 521-526.	5.5	5
43	Effect of surface roughness on the in vitro degradation behaviour of a biodegradable magnesium-based alloy. Applied Surface Science, 2013, 279, 343-348.	6.1	59
44	Performance evaluation of acid mist reduction techniques in copper electrowinning. Hydrometallurgy, 2013, 131-132, 76-80.	4.3	6
45	Electrochemical Corrosion Behaviour of WE54 Magnesium Alloy. Materials Science Forum, 2013, 765, 644-647.	0.3	1
46	Response surface optimization and characteristics of Indica rice starch-based fat substitute prepared by α -amylase. Starch/Staerke, 2012, 64, 503-509.	2.1	3
47	Acid mist and bubble size correlation in copper electrowinning. Hydrometallurgy, 2012, 113-114, 39-41.	4.3	16
48	Synthesis, structure, and electrochemical performance of magnesium-substituted lithium manganese orthosilicate cathode materials for lithium-ion batteries. Journal of Power Sources, 2012, 197, 231-237.	7.8	48
49	Crystal chemistry of the Pmnb polymorph of Li ₂ MnSiO ₄ . Journal of Solid State Chemistry, 2012, 188, 32-37.	2.9	56
50	Statistical analysis of the effect of operating parameters on acid mist generation in copper electrowinning. Hydrometallurgy, 2011, 106, 113-118.	4.3	21
51	The sizing of oxygen bubbles in copper electrowinning. Hydrometallurgy, 2011, 109, 168-174.	4.3	16
52	Modeling the crystallization of proteins and small organic molecules in nanoliter drops. AIChE Journal, 2010, 56, 79-91.	3.6	8
53	Morphology and Preferred Orientation of Pulse Electrodeposited Magnesium. Journal of the Electrochemical Society, 2010, 157, E45.	2.9	14
54	Roles of trifluoroacetic acid, acetic acid and their salts in the synthesis of helical mesoporous materials. Journal of Porous Materials, 2010, 17, 123-131.	2.6	2

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55	A simple method for the preparation of monodisperse protein-loaded microspheres with high encapsulation efficiencies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 336-341.	4.3	27
56	Controlled evolution from multilamellar vesicles to hexagonal mesostructures through the addition of 1,3,5-trimethylbenzene. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 368-373.	9.4	14
57	Application of flow-focusing to the break-up of an emulsion jet for the production of matrix-structured microparticles. <i>Chemical Engineering Science</i> , 2008, 63, 2500-2507.	3.8	13
58	Re-coalescence of emulsion droplets during high-energy emulsification. <i>Food Hydrocolloids</i> , 2008, 22, 1191-1202.	10.7	634
59	Encapsulation Efficiency of Food Flavours and Oils during Spray Drying. <i>Drying Technology</i> , 2008, 26, 816-835.	3.1	818
60	Nano-particle encapsulation of fish oil by spray drying. <i>Food Research International</i> , 2008, 41, 172-183.	6.2	399
61	Breakup of a flow-focused emulsion jet for the production of matrix-structured microcapsules. <i>Applied Physics Letters</i> , 2007, 91, 254112.	3.3	8
62	Effectiveness of encapsulating biopolymers to produce sub-micron emulsions by high energy emulsification techniques. <i>Food Research International</i> , 2007, 40, 862-873.	6.2	94
63	Role of Powder Particle Size on the Encapsulation Efficiency of Oils during Spray Drying. <i>Drying Technology</i> , 2007, 25, 1081-1089.	3.1	88
64	Encapsulation of Nanoparticles of d-Limonene by Spray Drying: Role of Emulsifiers and Emulsifying Techniques. <i>Drying Technology</i> , 2007, 25, 1069-1079.	3.1	165
65	Production of sub-micron emulsions by ultrasound and microfluidization techniques. <i>Journal of Food Engineering</i> , 2007, 82, 478-488.	5.2	425
66	Optimization of nano-emulsions production by microfluidization. <i>European Food Research and Technology</i> , 2007, 225, 733-741.	3.3	267
67	Crystallization of alpha-lactose monohydrate in a drop-based microfluidic crystallizer. <i>Chemical Engineering Science</i> , 2007, 62, 4802-4810.	3.8	68
68	Mg-Based Nanocomposites with High Capacity and Fast Kinetics for Hydrogen Storage. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11697-11703.	2.6	95
69	Nano-Emulsion Production by Sonication and Microfluidization—A Comparison. <i>International Journal of Food Properties</i> , 2006, 9, 475-485.	3.0	466
70	Atomic Hydrogen Diffusion in Novel Magnesium Nanostructures: The Impact of Incorporated Subsurface Carbon Atoms. <i>Journal of Physics: Conference Series</i> , 2006, 29, 167-172.	0.4	9
71	Dynamic Interfacial Tension of Aqueous Solutions of PVAAs and Its Role in Liquid-Liquid Dispersion Stabilization. <i>Journal of Chemical Engineering of Japan</i> , 2004, 37, 181-186.	0.6	14
72	Electrodeposition of composite copper/liquid-containing microcapsule coatings. <i>Journal of Materials Science</i> , 2004, 39, 495-499.	3.7	17

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73	Experimental study of drop-interface coalescence in the presence of polymer stabilisers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 207, 89-104.	4.7	16
74	Characterisation of spouting behaviour of coal ash with thermo-mechanical analysis. Fuel Processing Technology, 1999, 60, 69-79.	7.2	6
75	A criterion for particle agglomeration by collision. Powder Technology, 1999, 103, 189-193.	4.2	8
76	A MODEL FOR A DENSE PHASE CIRCULATING FLUIDIZED BED. Chemical Engineering Communications, 1997, 161, 103-124.	2.6	0
77	Porosity and water retention in coarse coking coal. Fuel, 1997, 76, 215-222.	6.4	19
78	The volume-average voidage in the riser of a circulating fluidized bed. Powder Technology, 1996, 89, 79-82.	4.2	4
79	Gas-solids flow in the riser of a circulating fluidized bed. Chemical Engineering Science, 1995, 50, 3443-3453.	3.8	11
80	Circulating fluidized oil shale retort. Fuel, 1993, 72, 879-883.	6.4	5