

Yinghe He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9217527/publications.pdf>

Version: 2024-02-01

80
papers

6,152
citations

136740

32
h-index

66788

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. <i>Energy Storage Materials</i> , 2021, 36, 186-212.	9.5	425
2	Electrochemical behaviour of the oxidative dissolution of arsenopyrite catalysed by Ag ⁺ in 9K culture medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126169.	2.3	9
3	The role of organic compounds in the recovery of valuable metals from primary and secondary sources: a mini-review. <i>Resources, Conservation and Recycling</i> , 2021, 174, 105813.	5.3	24
4	Preparation and lithium storage properties of C@TiO ₂ /3D carbon hollow sphere skeleton composites. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152511.	2.8	8
5	Electrochemical behaviour of the dissolution and passivation of arsenopyrite in 9K culture medium. <i>Applied Surface Science</i> , 2020, 508, 145269.	3.1	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. <i>Chemical Engineering Research and Design</i> , 2020, 162, 238-248.	2.7	62
7	Esterification and transesterification over SrO@ZnO/Al ₂ O ₃ as a novel bifunctional catalyst for biodiesel production. <i>Renewable Energy</i> , 2020, 158, 388-399.	4.3	66
8	Recent advances in sensors for electrochemical analysis of nitrate in food and environmental matrices. <i>Analyst</i> , 2020, 145, 5400-5413.	1.7	41
9	Thiosulphate leaching of gold in the Cu@NH ₃ @S ₂ O ₃ ~H ₂ O system: An updated thermodynamic analysis using predominance area and species distribution diagrams. <i>Minerals Engineering</i> , 2020, 151, 106336.	1.8	33
10	The catalytic effect of copper ion in the bioleaching of arsenopyrite by <i>Acidithiobacillus ferrooxidans</i> in 9K culture medium. <i>Journal of Cleaner Production</i> , 2020, 256, 120391.	4.6	20
11	Erratum to ‘Arsenic vitrification by copper slag based glass: Mechanism and stability studies’ [Journal of non-crystalline solids 466 (2017) 21–28]. <i>Journal of Non-Crystalline Solids</i> , 2019, 503-504, 409.	1.5	2
12	Simultaneous Removal of S and As from a Refractory Gold Ore in a Single Stage O ₂ -Enriched Roasting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2019, 50, 1588-1596.	1.0	8
13	Characteristics of unsteadiness for transitional plane fountains in linearly stratified fluids. <i>International Communications in Heat and Mass Transfer</i> , 2019, 100, 83-97.	2.9	2
14	Improving gold recovery from a refractory ore via Na ₂ SO ₄ assisted roasting and alkaline Na ₂ S leaching. <i>Hydrometallurgy</i> , 2019, 185, 133-141.	1.8	33
15	Removal of dissolved metals in wetland columns filled with shell grits and plant biomass. <i>Chemical Engineering Journal</i> , 2018, 331, 234-241.	6.6	40
16	Study on Formation Mechanism of Fayalite (Fe ₂ SiO ₄) by Solid State Reaction in Sintering Process. <i>Jom</i> , 2018, 70, 539-546.	0.9	29
17	Thermodynamic analysis of ammoniacal thiosulphate leaching of gold catalysed by Co(III)/Co(II) using Eh-pH and speciation diagrams. <i>Hydrometallurgy</i> , 2018, 178, 240-249.	1.8	36
18	Calcium-Ion Batteries: Current State-of-the-Art and Future Perspectives. <i>Advanced Materials</i> , 2018, 30, e1801702.	11.1	294

#	ARTICLE	IF	CITATIONS
19	Arsenic vitrification by copper slag based glass: Mechanism and stability studies. <i>Journal of Non-Crystalline Solids</i> , 2017, 466-467, 21-28.	1.5	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. <i>Waste Management</i> , 2017, 64, 219-227.	3.7	253
21	Preparation of microparticles through co-flowing of partially miscible liquids. <i>Chemical Engineering Journal</i> , 2017, 320, 144-150.	6.6	13
22	Role of Lactic Acid Bacteria in the Eating Qualities of Fermented Rice Noodles. <i>Cereal Chemistry</i> , 2017, 94, 349-356.	1.1	19
23	Effect of Pyrite on Thiosulfate Leaching of Gold and the Role of Ammonium Alcohol Polyvinyl Phosphate (AAPP). <i>Metals</i> , 2017, 7, 278.	1.0	28
24	Co-flowing of partially miscible liquids for the generation of monodisperse microparticles. <i>Advanced Powder Technology</i> , 2017, 28, 2886-2892.	2.0	1
25	One-pot synthesis of NiO/C composite nanoparticles as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2016, 671, 60-65.	2.8	39
26	Interaction behavior of triple transitional round fountains in a homogeneous fluid. <i>International Journal of Heat and Fluid Flow</i> , 2016, 62, 437-454.	1.1	0
27	Correlations for maximum penetration heights of transitional plane fountains in linearly stratified fluids. <i>International Communications in Heat and Mass Transfer</i> , 2016, 77, 64-77.	2.9	3
28	Hydrogen Permeation in Nanostructured Bainitic Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 4896-4903.	1.1	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. <i>Hydrometallurgy</i> , 2016, 165, 358-369.	1.8	69
30	Thermal treatment process for the recovery of valuable metals from spent lithium-ion batteries. <i>Hydrometallurgy</i> , 2016, 165, 390-396.	1.8	202
31	Asymmetry and penetration of transitional plane fountains in stratified fluid. <i>International Journal of Heat and Mass Transfer</i> , 2015, 90, 1125-1142.	2.5	13
32	Formation of surface nanodroplets under controlled flow conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9253-9257.	3.3	113
33	Behavior of the interaction between twin transitional round fountains in a homogeneous fluid, Part 2: Numerical study. <i>International Journal of Heat and Mass Transfer</i> , 2015, 86, 973-991.	2.5	3
34	Behavior of the interaction between twin transitional round fountains in a homogeneous fluid, Part 1: Experimental study. <i>International Journal of Heat and Mass Transfer</i> , 2015, 86, 957-972.	2.5	3
35	Growth mechanisms for spherical mixed hydroxide agglomerates prepared by co-precipitation method: A case of $\text{Ni}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}(\text{OH})_2$. <i>Journal of Alloys and Compounds</i> , 2015, 619, 846-853.	2.8	68
36	Effect of Alkaline-Soluble Proteins on Pasting Properties of Nonwaxy Rice Flour. <i>Cereal Chemistry</i> , 2014, 91, 502-507.	1.1	6

#	ARTICLE	IF	CITATIONS
37	Recent progress in the development of Li ₂ MnSiO ₄ cathode materials. <i>Journal of Power Sources</i> , 2014, 253, 315-331.	4.0	89
38	Mesoporous manganese-deficient lithium manganese silicate cathodes for lithium-ion batteries. <i>RSC Advances</i> , 2014, 4, 11580-11584.	1.7	10
39	Li ₂ MnSiO ₄ cathodes modified by phosphorous substitution and the structural consequences. <i>Solid State Ionics</i> , 2014, 259, 29-39.	1.3	17
40	Influence of the cathodic activity of magnesium alloys on the electrochemical deposition of calcium phosphate. <i>Materials Letters</i> , 2014, 130, 184-187.	1.3	16
41	High Performance Composite Lithium-Rich Nickel Manganese Oxide Cathodes for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1856-A1862.	1.3	35
42	An electron energy loss spectroscopy and electron diffraction study of the Pmnb polymorph of Li ₂ MnSiO ₄ . <i>Journal of Alloys and Compounds</i> , 2013, 551, 521-526.	2.8	5
43	Effect of surface roughness on the in vitro degradation behaviour of a biodegradable magnesium-based alloy. <i>Applied Surface Science</i> , 2013, 279, 343-348.	3.1	59
44	Performance evaluation of acid mist reduction techniques in copper electrowinning. <i>Hydrometallurgy</i> , 2013, 131-132, 76-80.	1.8	6
45	Electrochemical Corrosion Behaviour of WE54 Magnesium Alloy. <i>Materials Science Forum</i> , 2013, 765, 644-647.	0.3	1
46	Response surface optimization and characteristics of Indica rice starch-based fat substitute prepared by α -amylase. <i>Starch/Staerke</i> , 2012, 64, 503-509.	1.1	3
47	Acid mist and bubble size correlation in copper electrowinning. <i>Hydrometallurgy</i> , 2012, 113-114, 39-41.	1.8	16
48	Synthesis, structure, and electrochemical performance of magnesium-substituted lithium manganese orthosilicate cathode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012, 197, 231-237.	4.0	48
49	Crystal chemistry of the Pmnb polymorph of Li ₂ MnSiO ₄ . <i>Journal of Solid State Chemistry</i> , 2012, 188, 32-37.	1.4	56
50	Statistical analysis of the effect of operating parameters on acid mist generation in copper electrowinning. <i>Hydrometallurgy</i> , 2011, 106, 113-118.	1.8	21
51	The sizing of oxygen bubbles in copper electrowinning. <i>Hydrometallurgy</i> , 2011, 109, 168-174.	1.8	16
52	Modeling the crystallization of proteins and small organic molecules in nanoliter drops. <i>AIChE Journal</i> , 2010, 56, 79-91.	1.8	8
53	Morphology and Preferred Orientation of Pulse Electrodeposited Magnesium. <i>Journal of the Electrochemical Society</i> , 2010, 157, E45.	1.3	14
54	Roles of trifluoroacetic acid, acetic acid and their salts in the synthesis of helical mesoporous materials. <i>Journal of Porous Materials</i> , 2010, 17, 123-131.	1.3	2

#	ARTICLE	IF	CITATIONS
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.	2.0	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.	5.0	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.	1.9	13
58	Re-coalescence of emulsion droplets during high-energy emulsification. <i>Food Hydrocolloids</i> , 2008, 22, 1191-1202.	5.6	634
59	Encapsulation Efficiency of Food Flavours and Oils during Spray Drying. <i>Drying Technology</i> , 2008, 26, 816-835.	1.7	818
60	Nano-particle encapsulation of fish oil by spray drying. <i>Food Research International</i> , 2008, 41, 172-183.	2.9	399
61	Breakup of a flow-focused emulsion jet for the production of matrix-structured microcapsules. <i>Applied Physics Letters</i> , 2007, 91, 254112.	1.5	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.	2.9	94
63	Role of Powder Particle Size on the Encapsulation Efficiency of Oils during Spray Drying. <i>Drying Technology</i> , 2007, 25, 1081-1089.	1.7	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.	1.7	165
65	Production of sub-micron emulsions by ultrasound and microfluidization techniques. <i>Journal of Food Engineering</i> , 2007, 82, 478-488.	2.7	425
66	Optimization of nano-emulsions production by microfluidization. <i>European Food Research and Technology</i> , 2007, 225, 733-741.	1.6	267
67	Crystallization of alpha-lactose monohydrate in a drop-based microfluidic crystallizer. <i>Chemical Engineering Science</i> , 2007, 62, 4802-4810.	1.9	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.	1.2	95
69	Nano-Emulsion Production by Sonication and Microfluidization—A Comparison. <i>International Journal of Food Properties</i> , 2006, 9, 475-485.	1.3	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.	0.3	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.	0.3	14
72	Electrodeposition of composite copper/liquid-containing microcapsule coatings. <i>Journal of Materials Science</i> , 2004, 39, 495-499.	1.7	17

#	ARTICLE	IF	CITATIONS
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.	2.3	16
74	Characterisation of spouting behaviour of coal ash with thermo-mechanical analysis. Fuel Processing Technology, 1999, 60, 69-79.	3.7	6
75	A criterion for particle agglomeration by collision. Powder Technology, 1999, 103, 189-193.	2.1	8
76	A MODEL FOR A DENSE PHASE CIRCULATING FLUIDIZED BED. Chemical Engineering Communications, 1997, 161, 103-124.	1.5	0
77	Porosity and water retention in coarse coking coal. Fuel, 1997, 76, 215-222.	3.4	19
78	The volume-average voidage in the riser of a circulating fluidized bed. Powder Technology, 1996, 89, 79-82.	2.1	4
79	Gas-solids flow in the riser of a circulating fluidized bed. Chemical Engineering Science, 1995, 50, 3443-3453.	1.9	11
80	Circulating fluidized oil shale retort. Fuel, 1993, 72, 879-883.	3.4	5