

Wei-ming Zhang

List of Publications by Year in descending order

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papers

2,813
citations

636246

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times ranked

4584
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Coated Fe ₃ O ₄ Nanospindles as a Superior Anode Material for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2008, 18, 3941-3946.	16.5	1,187
2	Tin Nanoparticles Encapsulated in Elastic Hollow Carbon Spheres for High-Performance Anode Material in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2008, 20, 1160-1165.	24.3	1,008
3	Extraction of lithium from Chinese salt-lake brines by membranes: Design and practice. <i>Journal of Membrane Science</i> , 2021, 635, 119441.	8.3	188
4	Preparation of covalently cross-linked sulfonated polybenzimidazole membranes for vanadium redox flow battery applications. <i>Journal of Membrane Science</i> , 2017, 525, 229-239.	8.3	93
5	Aqueous route for mesoporous metal oxides using inorganic metal source and their applications. <i>Microporous and Mesoporous Materials</i> , 2007, 100, 233-240.	4.5	40
6	Zero discharge process for foil industry waste acid reclamation: Coupling of diffusion dialysis and electro dialysis with bipolar membranes. <i>Journal of Membrane Science</i> , 2013, 432, 90-96.	8.3	40
7	Selective removal of halides from spent zinc sulfate electrolyte by diffusion dialysis. <i>Journal of Membrane Science</i> , 2017, 537, 111-118.	8.3	37
8	Acid blue 9 desalting using electro dialysis. <i>Journal of Membrane Science</i> , 2015, 493, 28-36.	8.3	34
9	Graphene enhances the proton selectivity of porous membrane in vanadium flow batteries. <i>Materials and Design</i> , 2017, 113, 149-156.	7.2	34
10	Energy self-sufficient desalination stack as a potential fresh water supply on small islands. <i>Desalination</i> , 2015, 359, 52-58.	8.3	31
11	Detection of VOCs and their concentrations by a single SnO ₂ sensor using kinetic information. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 454-460.	8.0	20
12	Green Production of Ultrahigh-Basicity Polyaluminum Salts with Maximum Atomic Economy by Ultrafiltration and Electro dialysis with Bipolar Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13467-13474.	3.8	17
13	Direct production of lithium nitrate from the primary lithium salt by electro dialysis metathesis. <i>Journal of Membrane Science</i> , 2022, 654, 120555.	8.3	14
14	Significantly enhanced dehalogenation selectivity in near-neutral zinc sulfate electrolytes by diffusion dialysis. <i>Journal of Membrane Science</i> , 2018, 563, 142-148.	8.3	13
15	Programmed Fabrication of Bimetallic Nanobarcodes for Miniature Multiplexing Bioanalysis. <i>Analytical Chemistry</i> , 2009, 81, 2815-2818.	6.8	12
16	Selective removal of chloride from the adipate formation bath in foil industry by diffusion dialysis. <i>Separation and Purification Technology</i> , 2020, 230, 115871.	8.1	10
17	Enabling an atom-economic production of chiral amino alcohols by electro dialysis with bipolar membranes. <i>Green Chemistry</i> , 2020, 22, 2213-2224.	9.4	10
18	Cost-Effective Production of Pure Al ₁₃ from AlCl ₃ by Electrolysis. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 11201-11206.	3.8	9

#	ARTICLE	IF	CITATIONS
19	Gold Embedded Maghemite Hybrid Nanowires and Their Gas Sensing Properties. ACS Applied Materials & Interfaces, 2015, 7, 10534-10540.	8.3	9
20	Sustainable Production of Lithium Acetate by Bipolar Membrane Electrodialysis Metathesis. ACS Sustainable Chemistry and Engineering, 2022, 10, 6045-6056.	6.9	7