

# Wei-ming Zhang

## List of Publications by Year in descending order

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20  
papers

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citations

636246

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722670

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docs citations

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times ranked

4584  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct production of lithium nitrate from the primary lithium salt by electro dialysis metathesis. Journal of Membrane Science, 2022, 654, 120555.	8.3	14
2	Sustainable Production of Lithium Acetate by Bipolar Membrane Electro dialysis Metathesis. ACS Sustainable Chemistry and Engineering, 2022, 10, 6045-6056.	6.9	7
3	Extraction of lithium from Chinese salt-lake brines by membranes: Design and practice. Journal of Membrane Science, 2021, 635, 119441.	8.3	188
4	Selective removal of chloride from the adipate formation bath in foil industry by diffusion dialysis. Separation and Purification Technology, 2020, 230, 115871.	8.1	10
5	Enabling an atom-economic production of chiral amino alcohols by electro dialysis with bipolar membranes. Green Chemistry, 2020, 22, 2213-2224.	9.4	10
6	Significantly enhanced dehalogenation selectivity in near-neutral zinc sulfate electrolytes by diffusion dialysis. Journal of Membrane Science, 2018, 563, 142-148.	8.3	13
7	Selective removal of halides from spent zinc sulfate electrolyte by diffusion dialysis. Journal of Membrane Science, 2017, 537, 111-118.	8.3	37
8	Graphene enhances the proton selectivity of porous membrane in vanadium flow batteries. Materials and Design, 2017, 113, 149-156.	7.2	34
9	Preparation of covalently cross-linked sulfonated polybenzimidazole membranes for vanadium redox flow battery applications. Journal of Membrane Science, 2017, 525, 229-239.	8.3	93
10	Energy self-sufficient desalination stack as a potential fresh water supply on small islands. Desalination, 2015, 359, 52-58.	8.3	31
11	Gold Embedded Maghemite Hybrid Nanowires and Their Gas Sensing Properties. ACS Applied Materials & Interfaces, 2015, 7, 10534-10540.	8.3	9
12	Acid blue 9 desalting using electro dialysis. Journal of Membrane Science, 2015, 493, 28-36.	8.3	34
13	Green Production of Ultrahigh-Basicity Polyaluminum Salts with Maximum Atomic Economy by Ultrafiltration and Electro dialysis with Bipolar Membranes. Industrial & Engineering Chemistry Research, 2014, 53, 13467-13474.	3.8	17
14	Zero discharge process for foil industry waste acid reclamation: Coupling of diffusion dialysis and electro dialysis with bipolar membranes. Journal of Membrane Science, 2013, 432, 90-96.	8.3	40
15	Cost-Effective Production of Pure Al <sub>13</sub> from AlCl <sub>3</sub> by Electrolysis. Industrial & Engineering Chemistry Research, 2012, 51, 11201-11206.	3.8	9
16	Programmed Fabrication of Bimetallic Nanobarcodes for Miniature Multiplexing Bioanalysis. Analytical Chemistry, 2009, 81, 2815-2818.	6.8	12
17	Carbon Coated Fe <sub>3</sub> O <sub>4</sub> Nanospindles as a Superior Anode Material for Lithium-Ion Batteries. Advanced Functional Materials, 2008, 18, 3941-3946.	16.5	1,187
18	TiO <sub>2</sub> Nanoparticles Encapsulated in Elastic Hollow Carbon Spheres for High-Performance Anode Material in Lithium-Ion Batteries. Advanced Materials, 2008, 20, 1160-1165.	24.3	1,008

#	ARTICLE	IF	CITATIONS
19	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
20	Detection of VOCs and their concentrations by a single SnO <sub>2</sub> sensor using kinetic information. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 454-460.	8.0	20