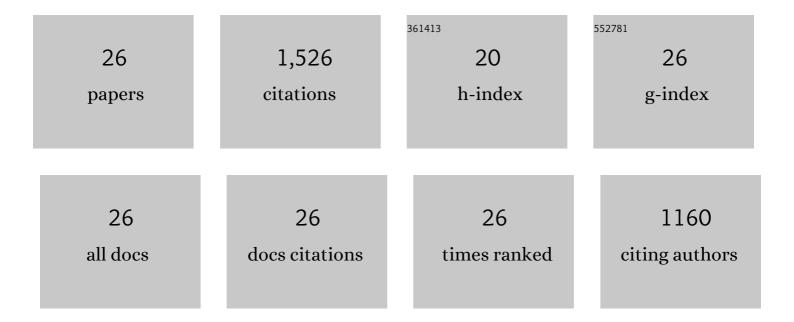
## Li Wang

## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Membrane technologies for Li+/Mg2+ separation from salt-lake brines and seawater: A comprehensive review. Journal of Industrial and Engineering Chemistry, 2020, 81, 7-23.	5.8	186
2	Energy Efficiency of Capacitive Deionization. Environmental Science & Technology, 2019, 53, 3366-3378.	10.0	184
3	Flow Electrode Capacitive Deionization (FCDI): Recent Developments, Environmental Applications, and Future Perspectives. Environmental Science & Technology, 2021, 55, 4243-4267.	10.0	125
4	Mechanism of Selective Ion Removal in Membrane Capacitive Deionization for Water Softening. Environmental Science & Technology, 2019, 53, 5797-5804.	10.0	115
5	Nanopore-Based Power Generation from Salinity Gradient: Why It Is Not Viable. ACS Nano, 2021, 15, 4093-4107.	14.6	101
6	Intrinsic tradeoff between kinetic and energetic efficiencies in membrane capacitive deionization. Water Research, 2018, 129, 394-401.	11.3	86
7	Evaluation on the toxicity of nanoAg to bovine serum albumin. Science of the Total Environment, 2009, 407, 4184-4188.	8.0	82
8	Salt and Water Transport in Reverse Osmosis Membranes: Beyond the Solution-Diffusion Model. Environmental Science & Technology, 2021, 55, 16665-16675.	10.0	82
9	Membrane Capacitive Deionization with Constant Current vs Constant Voltage Charging: Which Is Better?. Environmental Science & Technology, 2018, 52, 4051-4060.	10.0	75
10	Electron beam treatment for potable water reuse: Removal of bromate and perfluorooctanoic acid. Chemical Engineering Journal, 2016, 302, 58-68.	12.7	71
11	Reversible thermodynamic cycle analysis for capacitive deionization with modified Donnan model. Journal of Colloid and Interface Science, 2018, 512, 522-528.	9.4	53
12	Derivation of the Theoretical Minimum Energy of Separation of Desalination Processes. Journal of Chemical Education, 2020, 97, 4361-4369.	2.3	50
13	Engineered Nanoconfinement Accelerating Spontaneous Manganese-Catalyzed Degradation of Organic Contaminants. Environmental Science & Technology, 2021, 55, 16708-16715.	10.0	50
14	Highly compact, free-standing porous electrodes from polymer-derived nanoporous carbons for efficient electrochemical capacitive deionization. Journal of Materials Chemistry A, 2019, 7, 1768-1778.	10.3	47
15	Theoretical framework for designing a desalination plant based on membrane capacitive deionization. Water Research, 2019, 158, 359-369.	11.3	37
16	Nutrient recovery from treated wastewater by a hybrid electrochemical sequence integrating bipolar membrane electrodialysis and membrane capacitive deionization. Environmental Science: Water Research and Technology, 2020, 6, 383-391.	2.4	33
17	Enhancing Performance of Capacitive Deionization with Polyelectrolyte-Infiltrated Electrodes: Theory and Experimental Validation. Environmental Science & Technology, 2020, 54, 5874-5883.	10.0	23
18	Quantifying the kinetics-energetics performance tradeoff in bipolar membrane electrodialysis. Journal of Membrane Science, 2020, 612, 118279.	8.2	22

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19	Design principles and challenges of bench-scale high-pressure reverse osmosis up to 150Âbar. Desalination, 2021, 517, 115237.	8.2	22
20	Equivalent film-electrode model for flow-electrode capacitive deionization: Experimental validation and performance analysis. Water Research, 2020, 181, 115917.	11.3	22
21	Viability of Harvesting Salinity Gradient (Blue) Energy by Nanopore-Based Osmotic Power Generation. Engineering, 2022, 9, 51-60.	6.7	21
22	Mining Nontraditional Water Sources for a Distributed Hydrogen Economy. Environmental Science & Technology, 2022, 56, 10577-10585.	10.0	14
23	In-situ monitoring of polyelectrolytes adsorption kinetics by electrochemical impedance spectroscopy: Application in fabricating nanofiltration membranes via layer-by-layer deposition. Journal of Membrane Science, 2021, 619, 118747.	8.2	12
24	Correlation equation for evaluating energy consumption and process performance of brackish water desalination by electrodialysis. Desalination, 2021, 510, 115089.	8.2	8
25	Comment on "Techno-economic analysis of capacitive and intercalative water deionization―by M. Metzger, M. Besli, S. Kuppan, S. Hellstrom, S. Kim, E. Sebti, C. Subban and J. Christensen, <i>Energy Environ. Sci.</i> , 2020, <b>13</b> , 1544. Energy and Environmental Science, 2021, 14, 2494-2498.	30.8	4
26	Realtime and in-situ monitoring of membrane fouling with fiber-optic reflectance UV-vis spectrophotometry (FORUS). Chemical Engineering Journal Advances, 2020, 4, 100058.	5.2	1