Zhi Yi Leong

List of Publications by Year
in descending order

19 papers	1,170 citations	516710 16 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	1290 citing authors

#	Article	IF	Citations
1	Electric field modulated ion-sieving effects of graphene oxide membranes. Journal of Materials Chemistry A, 2021, 9, 244-253.	10.3	4
2	Tungsten disulfide-reduced GO/CNT aerogel: a tuned interlayer spacing anode for efficient water desalination. Journal of Materials Chemistry A, 2021, 9, 10758-10768.	10.3	22
3	A membrane-less desalination battery with ultrahigh energy efficiency. Journal of Materials Chemistry A, 2021, 9, 7216-7226.	10.3	10
4	Electrochemically activated layered manganese oxide for selective removal of calcium and magnesium ions in hybrid capacitive deionization. Desalination, 2021, 520, 115374.	8.2	16
5	Recent progress in aqueous zinc-ion batteries: a deep insight into zinc metal anodes. Journal of Materials Chemistry A, 2021, 9, 6013-6028.	10.3	105
6	Ocean Mining: A Fluidic Electrochemical Route for Lithium Extraction from Seawater. , 2020, 2, 1662-1668.		18
7	Capacitive Deionization of Divalent Cations for Water Softening Using Functionalized Carbon Electrodes. ACS Omega, 2020, 5, 2097-2106.	3.5	37
8	A Study of MnO₂ with Different Crystalline Forms for Pseudocapacitive Desalination. ACS Applied Materials & Interfaces, 2019, 11, 13176-13184.	8.0	129
9	Three-dimensional graphene oxide and polyvinyl alcohol composites as structured activated carbons for capacitive desalination. Desalination, 2019, 451, 172-181.	8.2	56
10	A high performance electrochemical deionization method to desalinate brackish water with an FePO₄/RGO nanocomposite. Journal of Materials Chemistry A, 2018, 6, 8901-8908.	10.3	64
11	Ar plasma modification of 2D MXene Ti 3 C 2 T x nanosheets for efficient capacitive desalination. FlatChem, 2018, 8, 17-24.	5.6	106
12	Rod-like nitrogen-doped carbon hollow shells for enhanced capacitive deionization. FlatChem, 2018, 7, 10-17.	5.6	19
13	Bimetallic metalâ€"organic framework derived porous carbon nanostructures for high performance membrane capacitive desalination. Journal of Materials Chemistry A, 2017, 5, 6113-6121.	10.3	98
14	An aqueous rechargeable chloride ion battery. Energy Storage Materials, 2017, 7, 189-194.	18.0	90
15	A Prussian blue anode for high performance electrochemical deionization promoted by the faradaic mechanism. Nanoscale, 2017, 9, 13305-13312.	5.6	165
16	Nitrogen-doped graphene oxide for effectively removing boron ions from seawater. Nanoscale, 2017, 9, 326-333.	5.6	39
17	Porous carbon hollow spheres synthesized via a modified StÃ¶ber method for capacitive deionization. RSC Advances, 2016, 6, 53542-53549.	3.6	35
18	Ultrahigh Performance of Novel Capacitive Deionization Electrodes based on A Three-Dimensional Graphene Architecture with Nanopores. Scientific Reports, 2016, 6, 18966.	3.3	105

#	Article	IF	Citations
19	Hydrothermally synthesized graphene and Fe₃O₄ nanocomposites for high performance capacitive deionization. RSC Advances, 2016, 6, 11967-11972.	3.6	52