

Ming Chen

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,776
citations

567281

15
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

2742
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular understanding of charge storage and charging dynamics in supercapacitors with MOF electrodes and ionic liquid electrolytes. <i>Nature Materials</i> , 2020, 19, 552-558.	27.5	405
2	Densely Populated Isolated Single Co ϵ N Site for Efficient Oxygen Electrocatalysis. <i>Advanced Energy Materials</i> , 2019, 9, 1900149.	19.5	262
3	Rapid mass production of two-dimensional metal oxides and hydroxides via the molten salts method. <i>Nature Communications</i> , 2017, 8, 15630.	12.8	258
4	Aqueous thermogalvanic cells with a high Seebeck coefficient for low-grade heat harvest. <i>Nature Communications</i> , 2018, 9, 5146.	12.8	255
5	Atmospheric-Pressure Synthesis of 2D Nitrogen-Rich Tungsten Nitride. <i>Advanced Materials</i> , 2018, 30, e1805655.	21.0	104
6	Conductive Metal-Organic Frameworks for Supercapacitors. <i>Advanced Materials</i> , 2022, 34, e2200999.	21.0	101
7	Adding salt to expand voltage window of humid ionic liquids. <i>Nature Communications</i> , 2020, 11, 5809.	12.8	60
8	Aqueous interphase formed by CO ₂ brings electrolytes back to salt-in-water regime. <i>Nature Chemistry</i> , 2021, 13, 1061-1069.	13.6	57
9	Free and Bound States of Ions in Ionic Liquids, Conductivity, and Underscreening Paradox. <i>Physical Review X</i> , 2019, 9, .	8.9	54
10	DFT Study on the Hydrogen Evolution Reaction for Different Facets of Co ₂ P. <i>ChemElectroChem</i> , 2019, 6, 260-267.	3.4	42
11	Inhibiting Dendrite Growth via Regulating the Electrified Interface for Fast-Charging Lithium Metal Anode. <i>ACS Central Science</i> , 2021, 7, 2029-2038.	11.3	24
12	Influence of the deposition parameters on the properties of SnS ₂ films prepared by PECVD method combined with solid sources. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	21
13	In Situ Tracking of Partial Sodium Desolvation of Materials with Capacitive, Pseudocapacitive, and Battery-like Charge/Discharge Behavior in Aqueous Electrolytes. <i>Langmuir</i> , 2018, 34, 13132-13143.	3.5	20
14	Enforced Freedom: Electric-Field-Induced Declustering of Ionic-Liquid Ions in the Electrical Double Layer. <i>Energy and Environmental Materials</i> , 2020, 3, 414-420.	12.8	17
15	Study on Argon Plasma Jets at Atmospheric Pressure in Ambient Air Excited by Surface Waves. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 911-916.	1.3	15
16	The Influence of Anion Shape on the Electrical Double Layer Microstructure and Capacitance of Ionic Liquids-Based Supercapacitors by Molecular Simulations. <i>Molecules</i> , 2017, 22, 241.	3.8	15
17	Stabilization of layered manganese oxide by substitutional cation doping. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7118-7127.	10.3	14
18	Regulating interfacial structure enables high-voltage dilute ether electrolytes. <i>Cell Reports Physical Science</i> , 2022, 3, 100919.	5.6	12

#	ARTICLE	IF	CITATIONS
19	Progress on predicting the electrochemical stability window of electrolytes. Current Opinion in Electrochemistry, 2022, 34, 101030.	4.8	11
20	Effect of Pore Size on the Ion Electrosorption and Hydrogen/Deuterium Electrosorption Using Sodium Chloride in H ₂ O and D ₂ O. Journal of the Electrochemical Society, 2019, 166, A4158-A4167.	2.9	8
21	Minimum break relay dependency set approach for coordination of directional relays in multi-loop networks. IET Generation, Transmission and Distribution, 2017, 11, 1279-1285.	2.5	7
22	A New Remote Control Microwave Plasma Jet Excited by Surface Waves. IEEE Transactions on Plasma Science, 2014, 42, 3942-3948.	1.3	4
23	Microwave Plasma Jets Excited With Low Power. IEEE Transactions on Plasma Science, 2014, 42, 2424-2425.	1.3	4
24	Research on branches group based method for adding mutual inductance branches to Y-matrix and Z-matrix. , 2014, , .		3
25	The Double-Spiral Antenna for the Production of Microwave Plasma Jets. IEEE Transactions on Plasma Science, 2015, 43, 1894-1900.	1.3	2
26	Fabrication of SnS Using PECVD Method With Combined Solid Sources. IEEE Transactions on Plasma Science, 2014, 42, 2792-2793.	1.3	1
27	Evolution of Argon Discharges in Bottle-Shaped Tube Excited by Surface Plasmon Polaritons With a Low Power Operation. IEEE Transactions on Plasma Science, 2014, 42, 2838-2839.	1.3	0