

Jing Peng

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,780
citations

394421

19
h-index

345221

36
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42
all docs

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docs citations

42
times ranked

2822
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of microscopic heterogeneity and dynamics in choline chloride-based deep eutectic solvents. <i>Nature Communications</i> , 2022, 13, 219.	12.8	42
2	Decoupling Conductivity and Solubility in Electrolytes Using Microemulsions. <i>Journal of the Electrochemical Society</i> , 2021, 168, 080502.	2.9	7
3	Electrolyte effects on the electrochemical performance of microemulsions. <i>Electrochimica Acta</i> , 2021, 393, 139048.	5.2	11
4	Research and Application of Risk Assessment Method for Automotive Cybersecurity. , 2021, , .		0
5	Describing ion exchange membrane-electrolyte interactions for high electrolyte concentrations used in electrochemical reactors. <i>Journal of Membrane Science</i> , 2020, 593, 117340.	8.2	19
6	Electron Transfer in Microemulsion-Based Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40213-40219.	8.0	22
7	A Nuclear Magnetic Resonance Study of Cation and Anion Dynamics in Polymer-Ceramic Composite Solid Electrolytes. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1180-1189.	4.4	25
8	Role of Lithium Codoping in Enhancing the Scintillation Yield of Aluminate Garnets. <i>Physical Review Applied</i> , 2020, 13, .	3.8	8
9	Multiscale and Multimodal Characterization of 2D Titanium Carbonitride MXene. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902207.	3.7	35
10	Unraveling the Critical Role of Site Occupancy of Lithium Codopants in $\text{Lu}_{2}\text{SiO}_{5}:\text{Ce}^{3+}$ Single-Crystalline Scintillators. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8194-8201.	8.0	24
11	On the Role of Li^{+} Codoping in Simultaneous Improvement of Light Yield, Decay Time, and Afterglow of $\text{Lu}_{2}\text{SiO}_{5}:\text{Ce}^{3+}$ Scintillation Detectors. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800472.	2.4	16
12	Graphene oxide and sulfonated-derivative: Proton transport properties and electrochemical behavior of Nafion-based nanocomposites. <i>Electrochimica Acta</i> , 2019, 297, 240-249.	5.2	37
13	(Invited) Capacity Fade and Cross-over in Redox Flow Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
14	Detailed CFD modelling of fast pyrolysis of different biomass types in fluidized bed reactors. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2043-2052.	1.7	10
15	Detailed simulations of fast pyrolysis of biomass in a fluidized bed reactor. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, .	2.0	11
16	Effect of CO_2 absorption on ion and water mobility in an anion exchange membrane. <i>Journal of Power Sources</i> , 2018, 380, 64-75.	7.8	53
17	Ion transport in phase-separated single ion conductors. <i>Journal of Membrane Science</i> , 2018, 555, 38-44.	8.2	18
18	Transport Properties of Perfluorosulfonate Membranes Ion Exchanged with Cations. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38418-38430.	8.0	26

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19	Multinuclear magnetic resonance investigation of cation-anion and anion-solvent interactions in carbonate electrolytes. <i>Journal of Power Sources</i> , 2018, 399, 215-222.	7.8	19
20	The ion and water transport properties of K ⁺ and Na ⁺ form perfluorosulfonic acid polymer. <i>Electrochimica Acta</i> , 2018, 282, 544-554.	5.2	19
21	Effect of Membrane Pretreatment on the Mass Transport of Vanadium Redox Flow Batteries. ECS Meeting Abstracts, 2018, , .	0.0	0
22	Solvation of Perfluorosulfonate Ion Exchange Membrane in Non-Aqueous Solvents. ECS Meeting Abstracts, 2018, , .	0.0	0
23	3M Ionomer Adsorption on Polymer Electrolyte Membrane Fuel Cell Electrodes. ECS Meeting Abstracts, 2018, , .	0.0	0
24	The Ionic and Water Transport Properties Studies of Univalent Ion Exchanged Perfluorosulfonate Membrane. ECS Meeting Abstracts, 2018, , .	0.0	0
25	Determining Electro-Osmotic Drag of Water in Anion Exchange Membrane Fuel Cells. ECS Meeting Abstracts, 2018, MA2018-01, 1755-1755.	0.0	5
26	Solvation behavior of carbonate-based electrolytes in sodium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 574-586.	2.8	152
27	Liquid Structure with Nano-Heterogeneity Promotes Cationic Transport in Concentrated Electrolytes. <i>ACS Nano</i> , 2017, 11, 10462-10471.	14.6	283
28	The role of ozone in the formation and structural evolution of graphene oxide obtained from nanographite. <i>Carbon</i> , 2017, 122, 411-421.	10.3	17
29	Carbon Composites for a High-Energy Lithium-Sulfur Battery with a Glyme-Based Electrolyte. <i>ChemElectroChem</i> , 2017, 4, 209-215.	3.4	26
30	15.04: Parametric study on steel beams with fin-plate joints under falling floor impact. <i>Ce/Papers</i> , 2017, 1, 3910-3919.	0.3	1
31	Solid state magnetic resonance investigation of the thermally-induced structural evolution of silicon oxide-doped hydrogenated amorphous carbon. <i>Carbon</i> , 2016, 105, 163-175.	10.3	24
32	Natural Abundance Oxygen-17 NMR Investigation of Lithium Ion Solvation in Glyme-based Electrolytes. <i>Electrochimica Acta</i> , 2016, 213, 606-612.	5.2	26
33	Insight on the Li ₂ S electrochemical process in a composite configuration electrode. <i>New Journal of Chemistry</i> , 2016, 40, 2935-2943.	2.8	18
34	Comparative Study of Ether-Based Electrolytes for Application in Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13859-13865.	8.0	95
35	Anion Solvation in Carbonate-Based Electrolytes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27255-27264.	3.1	121
36	Polyethylene glycol dimethyl ether (PEGDME)-based electrolyte for lithium metal battery. <i>Journal of Power Sources</i> , 2015, 299, 460-464.	7.8	52

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37	Vanadium Doped Nanostructured TiO ₂ Dielectrics. Materials Research Society Symposia Proceedings, 2014, 1645, 1.	0.1	1
38	New battery strategies with a polymer/Al ₂ O ₃ separator. Journal of Power Sources, 2014, 263, 52-58.	7.8	74
39	Tuning and Enhancing White Light Emission of II-VI Based Inorganic-Organic Hybrid Semiconductors as Single-Phased Phosphors. Chemistry of Materials, 2012, 24, 1710-1717.	6.7	81
40	Preparation and thermal energy storage properties of paraffin/expanded graphite composite phase change material. Applied Energy, 2012, 91, 426-431.	10.1	387
41	Organocatalytic asymmetric allylic alkylation of sulfonylimidates with Morita-Baylis-Hillman carbonates. Science China Chemistry, 2011, 54, 81-86.	8.2	12