Jing Peng

List of Publications by Year
in descending order

41	1,780	394421	345221
papers	citations	19 h-index	36 g-index

42	42	42	2822
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and thermal energy storage properties of paraffin/expanded graphite composite phase change material. Applied Energy, 2012, 91, 426-431.	10.1	387
2	Liquid Structure with Nano-Heterogeneity Promotes Cationic Transport in Concentrated Electrolytes. ACS Nano, 2017, 11, 10462-10471.	14.6	283
3	Solvation behavior of carbonate-based electrolytes in sodium ion batteries. Physical Chemistry Chemical Physics, 2017, 19, 574-586.	2.8	152
4	Anion Solvation in Carbonate-Based Electrolytes. Journal of Physical Chemistry C, 2015, 119, 27255-27264.	3.1	121
5	Comparative Study of Ether-Based Electrolytes for Application in Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2015, 7, 13859-13865.	8.0	95
6	Tuning and Enhancing White Light Emission of IIâ€“VI Based Inorganicâ€“Organic Hybrid Semiconductors as Single-Phased Phosphors. Chemistry of Materials, 2012, 24, 1710-1717.	6.7	81
7	New battery strategies with a polymer/Al2O3 separator. Journal of Power Sources, 2014, 263, 52-58.	7.8	74
8	Effect of CO2 absorption on ion and water mobility in an anion exchange membrane. Journal of Power Sources, 2018, 380, 64-75.	7.8	53
9	Polyethylene glycol dimethyl ether (PEGDME)-based electrolyte for lithium metal battery. Journal of Power Sources, 2015, 299, 460-464.	7.8	52
10	Evolution of microscopic heterogeneity and dynamics in choline chloride-based deep eutectic solvents. Nature Communications, 2022, 13, 219.	12.8	42
11	Graphene oxide and sulfonated-derivative: Proton transport properties and electrochemical behavior of Nafion-based nanocomposites. Electrochimica Acta, 2019, 297, 240-249.	5.2	37
12	Multiscale and Multimodal Characterization of 2D Titanium Carbonitride MXene. Advanced Materials Interfaces, 2020, 7, 1902207.	3.7	35
13	Natural Abundance Oxygen-17 NMR Investigation of Lithium Ion Solvation in Glyme-based Electrolytes. Electrochimica Acta, 2016, 213, 606-612.	5.2	26
14	Carbon Composites for a Highâ€Energy Lithiumâ€“Sulfur Battey with a Glymeâ€Based Electrolyte. ChemElectroChem, 2017, 4, 209-215.	3.4	26
15	Transport Properties of Perfluorosulfonate Membranes Ion Exchanged with Cations. ACS Applied Materials & Interfaces, 2018, 10, 38418-38430.	8.0	26
16	A Nuclear Magnetic Resonance Study of Cation and Anion Dynamics in Polymerâ€“Ceramic Composite Solid Electrolytes. ACS Applied Polymer Materials, 2020, 2, 1180-1189.	4.4	25
17	Solid state magnetic resonance investigation of the thermally-induced structural evolution of silicon oxide-doped hydrogenated amorphous carbon. Carbon, 2016, 105, 163-175.	10.3	24
18	Unraveling the Critical Role of Site Occupancy of Lithium Codopants in Lu₂SiO₅:Ce³⁺ Single-Crystalline Scintillators. ACS Applied Materials & Interfaces, 2019, 11, 8194-8201.	8.0	24

#	Article	IF	Citations
19	Electron Transfer in Microemulsion-Based Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 40213-40219.	8.0	22
20	Multinuclear magnetic resonance investigation of cation-anion and anion-solvent interactions in carbonate electrolytes. Journal of Power Sources, 2018, 399, 215-222.	7.8	19
21	The ion and water transport properties of K+ and Na+ form perfluorosulfonic acid polymer. Electrochimica Acta, 2018, 282, 544-554.	5.2	19
22	Describing ion exchange membrane-electrolyte interactions for high electrolyte concentrations used in electrochemical reactors. Journal of Membrane Science, 2020, 593, 117340.	8.2	19
23	Insight on the Li₂S electrochemical process in a composite configuration electrode. New Journal of Chemistry, 2016, 40, 2935-2943.	2.8	18
24	Ion transport in phase-separated single ion conductors. Journal of Membrane Science, 2018, 555, 38-44.	8.2	18
25	The role of ozone in the formation and structural evolution of graphene oxide obtained from nanographite. Carbon, 2017, 122, 411-421.	10.3	17
26	On the Role of Li⁺ Codoping in Simultaneous Improvement of Light Yield, Decay Time, and Afterglow of Lu₂SiO₅:Ce³⁺ Scintillation Detectors. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800472.	2.4	16
27	Organocatalytic asymmetric allylic alkylation of sulfonylimidates with Morita-Baylis-Hillman carbonates. Science China Chemistry, 2011, 54, 81-86.	8.2	12
28	Detailed simulations of fast pyrolysis of biomass in a fluidized bed reactor. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	11
29	Electrolyte effects on the electrochemical performance of microemulsions. Electrochimica Acta, 2021, 393, 139048.	5.2	11
30	Detailed CFD modelling of fast pyrolysis of different biomass types in fluidized bed reactors. Canadian Journal of Chemical Engineering, 2018, 96, 2043-2052.	1.7	10
31	Role of Lithium Codoping in Enhancing the Scintillation Yield of Aluminate Garnets. Physical Review Applied, 2020, 13, .	3.8	8
32	Decoupling Conductivity and Solubility in Electrolytes Using Microemulsions. Journal of the Electrochemical Society, 2021, 168, 080502.	2.9	7
33	Determining Electro-Osmotic Drag of Water in Anion Exchange Membrane Fuel Cells. ECS Meeting Abstracts, 2018, MA2018-01, 1755-1755.	0.0	5
34	Vanadium Doped Nanostructured TiO2 Dielectrics. Materials Research Society Symposia Proceedings, 2014, 1645, 1.	0.1	1
35	15.04: Parametric study on steel beams with finâ€plate joints under falling floor impact. Ce/Papers, 2017, 1, 3910-3919.	0.3	1
36	Effect of Membrane Pretreatment on the Mass Transport of Vanadium Redox Flow Batteries. ECS Meeting Abstracts, 2018, , .	0.0	0

#	Article	IF	Citations
37	Solvation of Perfluorsulfonate Ion Exchange Membrane in Non-Aqueous Solvents. ECS Meeting Abstracts, 2018, , .	0.0	0
38	3M Ionomer Adsorption on Polymer Electrolyte Membrane Fuel Cell Electrodes. ECS Meeting Abstracts, 2018, , .	0.0	0
39	The Ionic and Water Transport Properties Studies of Univalent Ion Exchanged Perfluorosulfonate Membrane. ECS Meeting Abstracts, 2018, , .	0.0	0
40	(Invited) Capacity Fade and Cross-over in Redox Flow Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
41	Research and Application of Risk Assessment Method for Automotive Cybersecurity. , 2021, , .		0