

Matthew W Thompson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3094559/publications.pdf>

Version: 2024-02-01

17
papers

571
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

776
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Insights into Materials and Interfaces for Capacitive Energy Storage. <i>Advanced Science</i> , 2017, 4, 1700059.	11.2	176
2	Scalable Screening of Soft Matter: A Case Study of Mixtures of Ionic Liquids and Organic Solvents. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1340-1347.	2.6	58
3	Pre-Sodiated Ti ₃ C ₂ T _x MXene Structure and Behavior as Electrode for Sodium-Ion Capacitors. <i>ACS Nano</i> , 2021, 15, 2994-3003.	14.6	54
4	Solvent Polarity Governs Ion Interactions and Transport in a Solvated Room-Temperature Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 167-171.	4.6	45
5	Critical Role of Anion-Solvent Interactions for Dynamics of Solvent-in-Salt Solutions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8457-8466.	3.1	32
6	Formalizing atom-typing and the dissemination of force fields with foyer. <i>Computational Materials Science</i> , 2019, 167, 215-227.	3.0	29
7	Ion Pairing Controls Physical Properties of Ionic Liquid-Solvent Mixtures. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9944-9955.	2.6	25
8	In situ investigation of water on MXene interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
9	Relationship between pore size and reversible and irreversible immobilization of ionic liquid electrolytes in porous carbon under applied electric potential. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	23
10	Towards molecular simulations that are transparent, reproducible, usable by others, and extensible (TRUE). <i>Molecular Physics</i> , 2020, 118, e1742938.	1.7	22
11	Humidity Exposure Enhances Microscopic Mobility in a Room-Temperature Ionic Liquid in MXene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27561-27566.	3.1	20
12	Influence of humidity on performance and microscopic dynamics of an ionic liquid in supercapacitor. <i>Physical Review Materials</i> , 2017, 1, .	2.4	15
13	An Atomistic Carbide-Derived Carbon Model Generated Using ReaxFF-Based Quenched Molecular Dynamics. <i>Journal of Carbon Research</i> , 2017, 3, 32.	2.7	13
14	Identifying Water-Anion Correlated Motion in Aqueous Solutions through Van Hove Functions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7119-7125.	4.6	13
15	Investigating the Accuracy of Water Models through the Van Hove Correlation Function. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 5992-6005.	5.3	9
16	Microscopic Dynamics in an Ionic Liquid Augmented with Organic Solvents. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19354-19361.	3.1	8
17	Investigation of Multilayered Structures of Ionic Liquids on Graphite and Platinum Using Atomic Force Microscopy and Molecular Simulations. <i>Langmuir</i> , 2022, 38, 4036-4047.	3.5	5