Matthew W Thompson

List of Publications by Year
in descending order

17	571	687363 13	888059 17
papers	citations	h-index	g-index

17	17	17	776
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of Multilayered Structures of Ionic Liquids on Graphite and Platinum Using Atomic Force Microscopy and Molecular Simulations. Langmuir, 2022, 38, 4036-4047.	3.5	5
2	Investigating the Accuracy of Water Models through the Van Hove Correlation Function. Journal of Chemical Theory and Computation, 2021, 17, 5992-6005.	5.3	9
3	Pre-Sodiated Ti₃C₂T_x MXene Structure and Behavior as Electrode for Sodium-Ion Capacitors. ACS Nano, 2021, 15, 2994-3003.	14.6	54
4	In situ investigation of water on MXene interfaces. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
5	Critical Role of Anionâ€“Solvent Interactions for Dynamics of Solvent-in-Salt Solutions. Journal of Physical Chemistry C, 2020, 124, 8457-8466.	3.1	32
6	Towards molecular simulations that are transparent, reproducible, usable by others, and extensible (TRUE). Molecular Physics, 2020, 118, e1742938.	1.7	22
7	Formalizing atom-typing and the dissemination of force fields with foyer. Computational Materials Science, 2019, 167, 215-227.	3.0	29
8	Microscopic Dynamics in an Ionic Liquid Augmented with Organic Solvents. Journal of Physical Chemistry C, 2019, 123, 19354-19361.	3.1	8
9	Ion Pairing Controls Physical Properties of Ionic Liquid-Solvent Mixtures. Journal of Physical Chemistry B, 2019, 123, 9944-9955.	2.6	25
10	Identifying Waterâ€“Anion Correlated Motion in Aqueous Solutions through Van Hove Functions. Journal of Physical Chemistry Letters, 2019, 10, 7119-7125.	4.6	13
11	Scalable Screening of Soft Matter: A Case Study of Mixtures of Ionic Liquids and Organic Solvents. Journal of Physical Chemistry B, 2019, 123, 1340-1347.	2.6	58
12	Humidity Exposure Enhances Microscopic Mobility in a Room-Temperature Ionic Liquid in MXene. Journal of Physical Chemistry C, 2018, 122, 27561-27566.	3.1	20
13	Computational Insights into Materials and Interfaces for Capacitive Energy Storage. Advanced Science, 2017, 4, 1700059.	11.2	176
14	Solvent Polarity Governs Ion Interactions and Transport in a Solvated Room-Temperature Ionic Liquid. Journal of Physical Chemistry Letters, 2017, 8, 167-171.	4.6	45
15	An Atomistic Carbide-Derived Carbon Model Generated Using ReaxFF-Based Quenched Molecular Dynamics. Journal of Carbon Research, 2017, 3, 32.	2.7	13
16	Influence of humidity on performance and microscopic dynamics of an ionic liquid in supercapacitor. Physical Review Materials, 2017, 1, .	2.4	15
17	Relationship between pore size and reversible and irreversible immobilization of ionic liquid electrolytes in porous carbon under applied electric potential. Applied Physics Letters, 2016, 109, .	3.3	23