

Christopher D Williams

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

256
citations

1039406

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h-index

1281420

11
g-index

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all docs

11
docs citations

11
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective Polarization in Pairwise Potentials at the Grapheneâ€“Electrolyte Interface. Journal of Physical Chemistry Letters, 2017, 8, 703-708.	2.1	62
2	A Telescoping View of Solute Architectures in a Complex Fluid System. ACS Central Science, 2019, 5, 85-96.	5.3	48
3	<i>In Silico</i> Design and Characterization of Graphene Oxide Membranes with Variable Water Content and Flake Oxygen Content. ACS Nano, 2019, 13, 2995-3004.	7.3	32
4	Computational characterisation of dried and hydrated graphene oxide membranes. Nanoscale, 2018, 10, 1946-1956.	2.8	28
5	Design Rules for Graphene and Carbon Nanotube Solvents and Dispersants. ACS Nano, 2018, 12, 1043-1049.	7.3	20
6	Coarse grained models of graphene and graphene oxide for use in aqueous solution. 2D Materials, 2020, 7, 025025.	2.0	16
7	Initial Studies Directed toward the Rational Design of Aqueous Graphene Dispersants. ACS Omega, 2019, 4, 1969-1981.	1.6	14
8	A molecular simulation study into the stability of hydrated graphene nanochannels used in nanofluidics devices. Nanoscale, 2022, 14, 3467-3479.	2.8	13
9	High-throughput molecular simulations reveal the origin of ion free energy barriers in graphene oxide membranes. Nanoscale, 2021, 13, 13693-13702.	2.8	12
10	The role of surface ionisation in the hydration-induced swelling of graphene oxide membranes. Journal of Membrane Science, 2022, 653, 120489.	4.1	6
11	Reply to: Random interstratification in hydrated graphene oxide membranes and implications for seawater desalination. Nature Nanotechnology, 2022, 17, 134-135.	15.6	5