

CITATION REPORT

List of articles citing

Fast water flow through graphene nanocapillaries: A continuum model approach involving the microscopic structure of confined water

DOI: 10.1063/1.5037992

Applied Physics Letters, 2018, 113, 083101.

Source: <https://exaly.com/paper-pdf/71694314/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
28	Modeling water purification by an aquaporin-inspired graphene-based nano-channel. <i>Journal of Molecular Modeling</i> , 2019 , 25, 280	2	7
27	Water flow modeling through a graphene-based nanochannel: theory and simulation. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 3304-3309	3.6	18
26	Shale gas transport in wedged nanopores with water films. <i>Journal of Natural Gas Science and Engineering</i> , 2019 , 66, 217-232	4.6	3
25	Nanofluidic Behaviors of Water and Ions in Covalent Triazine Framework (CTF) Multilayers. <i>Small</i> , 2020 , 16, e1903879	11	14
24	Transport between one dimensional disjoint nanochannels. <i>Chemical Physics Letters</i> , 2020 , 739, 137029	2.5	3
23	Out-of-plane permittivity of confined water. <i>Physical Review E</i> , 2020 , 102, 022803	2.4	20
22	Water under extreme confinement in graphene: Oscillatory dynamics, structure, and hydration pressure explained as a function of the confinement width. <i>Journal of Molecular Liquids</i> , 2020 , 317, 114027	6	13
21	Electronic, dielectric, and optical properties of two-dimensional and bulk ice: A multiscale simulation study. <i>Physical Review B</i> , 2020 , 101,	3.3	8
20	Mesoscopic method to study water flow in nanochannels with different wettability. <i>Physical Review E</i> , 2020 , 102, 013306	2.4	8
19	Fluids at the Nanoscale: From Continuum to Subcontinuum Transport. <i>Annual Review of Fluid Mechanics</i> , 2021 , 53, 377-410	22	58
18	Hydration effects and negative dielectric constant of nano-confined water between cation intercalated MXenes. <i>Nanoscale</i> , 2021 , 13, 922-929	7.7	3
17	Water mobility in MoS nanopores: effects of the dipole-dipole interaction on the physics of fluid transport. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 12075-12081	3.6	2
16	Electronic and optical properties of two-dimensional ice I. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021 , 70, 133101-133101	0.6	
15	Abnormal Dielectric Constant of Nanoconfined Water between Graphene Layers in the Presence of Salt. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 1604-1610	3.4	3
14	Abnormal in-plane permittivity and ferroelectricity of confined water: From sub-nanometer channels to bulk. <i>Journal of Chemical Physics</i> , 2021 , 154, 114503	3.9	5
13	Extending the Classical Continuum Theory to Describe Water Flow through Two-Dimensional Nanopores. <i>Langmuir</i> , 2021 , 37, 6158-6167	4	6
12	Confined Quantum Hard Spheres. <i>Entropy</i> , 2021 , 23,	2.8	

11	Unveiling the hydroxyl-dependent viscosity of water in graphene oxide nanochannels via molecular dynamics simulations. <i>Chemical Physics Letters</i> , 2021 , 778, 138808	2.5	4
10	Distinct Chemistries Explain Decoupling of Slip and Wettability in Atomically Smooth Aqueous Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 9060-9067	6.4	2
9	Hierarchical thermal transport in nanoconfined water. <i>Journal of Chemical Physics</i> , 2020 , 153, 234701	3.9	5
8	Machine learning reveals key ion selectivity mechanisms in polymeric membranes with subnanometer pores.. <i>Science Advances</i> , 2022 , 8, eabl5771	14.3	6
7	A molecular simulation study into the stability of hydrated graphene nanochannels used in nanofluidics devices.. <i>Nanoscale</i> , 2022 ,	7.7	1
6	Viscous peeling of a nanosheet.. <i>Soft Matter</i> , 2022 ,	3.6	
5	Structural and charge transfer properties of ion intercalated 2D and bulk ice.		0
4	How to accurately predict nanoscale flow: Theory of single-phase or two-phase?. 2023 , 35, 012013		2
3	Entrance loss of capillary flow in narrow slit nanochannels. 2023 , 35, 042005		0
2	Fluids and Electrolytes under Confinement in Single-Digit Nanopores. 2023 , 123, 2737-2831		0
1	Unexpected Behavior in Thermal Conductivity of Confined Monolayer Water. 2023 , 127, 4090-4098		0