

# Michael Thomas

## List of Publications by Year in descending order

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12  
papers

498  
citations

1040056

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1199594

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docs citations

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times ranked

901  
citing authors

#	ARTICLE	IF	CITATIONS
1	What Have We Learnt About the Mechanisms of Rapid Water Transport, Ion Rejection and Selectivity in Nanopores from Molecular Simulation?. <i>Small</i> , 2014, 10, 1453-1465.	10.0	142
2	A computational assessment of the permeability and salt rejection of carbon nanotube membranes and their application to water desalination. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150020.	3.4	85
3	Supramolecular anion recognition in water: synthesis of hydrogen-bonded supramolecular frameworks. <i>Chemical Science</i> , 2017, 8, 3019-3025.	7.4	74
4	Thermostat choice significantly influences water flow rates in molecular dynamics studies of carbon nanotubes. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 41-47.	2.2	52
5	Insertion Mechanism and Stability of Boron Nitride Nanotubes in Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4929-4936.	2.6	35
6	Molecular Determinants for Substrate Interactions with the Glycine Transporter GlyT2. <i>ACS Chemical Neuroscience</i> , 2018, 9, 603-614.	3.5	30
7	Hydrogen bond-Driven Self-Assembly between Amidinium Cations and Carboxylate Anions: A Combined Molecular Dynamics, NMR Spectroscopy, and Single Crystal X-ray Diffraction Study. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1587-1597.	3.3	25
8	Norbornane-based cationic antimicrobial peptidomimetics targeting the bacterial membrane. <i>European Journal of Medicinal Chemistry</i> , 2018, 160, 9-22.	5.5	22
9	An Entropic Mechanism of Generating Selective Ion Binding in Macromolecules. <i>PLoS Computational Biology</i> , 2013, 9, e1002914.	3.2	12
10	Modifying Water Flow, Ion Selectivity, and Salt Rejection in Carbon Nanotubes via Surface Adsorption. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3820-3826.	3.1	9
11	How does overcoordination create ion selectivity?. <i>Biophysical Chemistry</i> , 2013, 172, 37-42.	2.8	6
12	Easily-prepared Hydroxy-containing Receptors Recognize Anions in Aqueous Media. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1271-1277.	3.3	6