

Thomas B H Schroeder

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8519512/publications.pdf>

Version: 2024-02-01

10
papers

990
citations

932766

10
h-index

1281420

11
g-index

14
all docs

14
docs citations

14
times ranked

1487
citing authors

#	ARTICLE	IF	CITATIONS
1	An electric-eel-inspired soft power source from stacked hydrogels. <i>Nature</i> , 2017, 552, 214-218.	13.7	364
2	An N-heterocyclic Carbene/Lewis Acid Strategy for the Stereoselective Synthesis of Spirooxindole Lactones. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4963-4967.	7.2	265
3	It's Not a Bug, It's a Feature: Functional Materials in Insects. <i>Advanced Materials</i> , 2018, 30, e1705322.	11.1	120
4	Spiropyran Photoisomerization Dynamics in Multiresponsive Hydrogels. <i>Journal of the American Chemical Society</i> , 2022, 144, 219-227.	6.6	39
5	Osmosis-Based Pressure Generation: Dynamics and Application. <i>PLoS ONE</i> , 2014, 9, e91350.	1.1	29
6	Powering Electronic Devices from Salt Gradients in AA-Battery-Sized Stacks of Hydrogel-Infused Paper. <i>Advanced Materials</i> , 2021, 33, e2101757.	11.1	23
7	Fluid surface coatings for solid-state nanopores: comparison of phospholipid bilayers and archaea-inspired lipid monolayers. <i>Nanotechnology</i> , 2019, 30, 325504.	1.3	16
8	Single channel planar lipid bilayer recordings of the melittin variant MelP5. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2051-2057.	1.4	14
9	Effects of Lipid Tethering in Extremophile-Inspired Membranes on H ⁺ /OH ⁻ Flux at Room Temperature. <i>Biophysical Journal</i> , 2016, 110, 2430-2440.	0.2	10
10	Patterned crystal growth and heat wave generation in hydrogels. <i>Nature Communications</i> , 2022, 13, 259.	5.8	10