

James M Campbell

List of Publications by Year in descending order

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12
papers

504
citations

840776

11
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

892
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional imaging of dislocation propagation during crystal growth and dissolution. <i>Nature Materials</i> , 2015, 14, 780-784.	27.5	143
2	Is Ice Nucleation from Supercooled Water Insensitive to Surface Roughness?. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1164-1169.	3.1	85
3	Observing the formation of ice and organic crystals in active sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 810-815.	7.1	66
4	Topographical Control of Crystal Nucleation. <i>Crystal Growth and Design</i> , 2012, 12, 750-755.	3.0	49
5	Nucleation- and Emergence-Limited Growth of Ice from Pores. <i>Physical Review Letters</i> , 2018, 120, 165701.	7.8	43
6	Ice Layer Spreading along a Solid Substrate during Solidification of Supercooled Water: Experiments and Modeling. <i>Langmuir</i> , 2017, 33, 4870-4877.	3.5	34
7	Active sites for ice nucleation differ depending on nucleation mode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
8	Gas-Driven Fracturing of Saturated Granular Media. <i>Physical Review Applied</i> , 2017, 8, .	3.8	17
9	Characterization of Preferred Crystal Nucleation Sites on Mica Surfaces. <i>Crystal Growth and Design</i> , 2013, 13, 1915-1925.	3.0	16
10	Crystal Patterns Created by Rupture of a Thin Film. <i>Crystal Growth and Design</i> , 2013, 13, 5062-5067.	3.0	14
11	Dynamic Measurement of Low Contact Angles by Optical Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16893-16900.	8.0	12
12	Dynamics of Dendritic Ice Freezing in Confinement. <i>Crystal Growth and Design</i> , 2022, 22, 2433-2440.	3.0	3