Yuqing Qiu

List of Publications by Year
in descending order

17	1,067	567144 15	887953 17
papers	citations	h-index	g-index

17	17	17	1213
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organization and Self-Assembly Away from Equilibrium: Toward Thermodynamic Design Principles. Annual Review of Condensed Matter Physics, 2021, 12, 273-290.	5.2	13
2	A strong nonequilibrium bound for sorting of cross-linkers on growing biopolymers. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	4
3	Hydrogen-Bonding and Hydrophobic Groups Contribute Equally to the Binding of Hyperactive Antifreeze and Ice-Nucleating Proteins to Ice. Journal of the American Chemical Society, 2019, 141, 7887-7898.	6.6	91
4	How Size and Aggregation of Ice-Binding Proteins Control Their Ice Nucleation Efficiency. Journal of the American Chemical Society, 2019, 141, 7439-7452.	6.6	99
5	Pore condensation and freezing is responsible for ice formation below water saturation for porous particles. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8184-8189.	3.3	113
6	Is Water at the Graphite Interface Vapor-like or Ice-like?. Journal of Physical Chemistry B, 2018, 122, 3626-3634.	1.2	29
7	What Controls the Limit of Supercooling and Superheating of Pinned Ice Surfaces?. Journal of Physical Chemistry Letters, 2018, 9, 1712-1720.	2.1	36
8	Ice-Nucleating and Antifreeze Proteins Recognize Ice through a Diversity of Anchored Clathrate and Ice-like Motifs. Journal of the American Chemical Society, 2018, 140, 4905-4912.	6.6	117
9	Ice nucleation by particles containing long-chain fatty acids of relevance to freezing by sea spray aerosols. Environmental Sciences: Processes and Impacts, 2018, 20, 1559-1569.	1.7	37
10	Preordering of water is not needed for ice recognition by hyperactive antifreeze proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8266-8271.	3.3	89
11	Why Is It So Difficult to Identify the Onset of Ice Premelting?. Journal of Physical Chemistry Letters, 2018, 9, 5179-5182.	2.1	47
12	Ice Nucleation Efficiency of Hydroxylated Organic Surfaces Is Controlled by Their Structural Fluctuations and Mismatch to Ice. Journal of the American Chemical Society, 2017, 139, 3052-3064.	6.6	132
13	Reaction Coordinate for Ice Crystallization on a Soft Surface. Journal of Physical Chemistry Letters, 2017, 8, 4201-4205.	2.1	28
14	Promotion of Homogeneous Ice Nucleation by Soluble Molecules. Journal of the American Chemical Society, 2017, 139, 17003-17006.	6.6	32
15	Strength of Alkaneâ€“Fluid Attraction Determines the Interfacial Orientation of Liquid Alkanes and Their Crystallization through Heterogeneous or Homogeneous Mechanisms. Crystals, 2017, 7, 86.	1.0	30
16	Morphology of Liquidâ€“Liquid Phase Separated Aerosols. Journal of the American Chemical Society, 2015, 137, 10642-10651.	6.6	62
17	Coarse-Graining of TIP4P/2005, TIP4P-Ew, SPC/E, and TIP3P to Monatomic Anisotropic Water Models Using Relative Entropy Minimization. Journal of Chemical Theory and Computation, 2014, 10, 4104-4120.	2.3	108