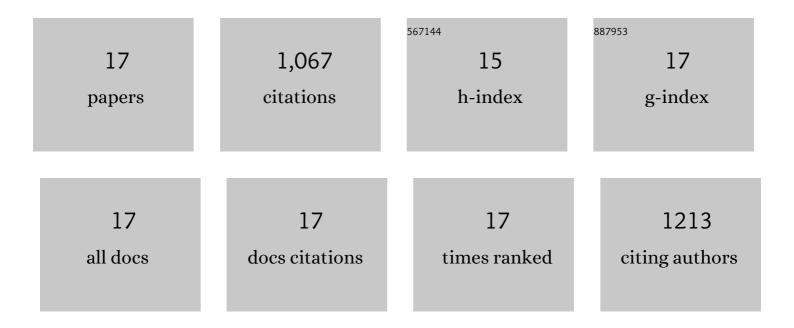
## Yuqing Qiu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Morphology of Liquid–Liquid Phase Separated Aerosols. Journal of the American Chemical Society, 2015, 137, 10642-10651.	6.6	62
9	Why Is It So Difficult to Identify the Onset of Ice Premelting?. Journal of Physical Chemistry Letters, 2018, 9, 5179-5182.	2.1	47
10	lce 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
11	What Controls the Limit of Supercooling and Superheating of Pinned Ice Surfaces?. Journal of Physical Chemistry Letters, 2018, 9, 1712-1720.	2.1	36
12	Promotion of Homogeneous Ice Nucleation by Soluble Molecules. Journal of the American Chemical Society, 2017, 139, 17003-17006.	6.6	32
13	Strength of Alkane–Fluid Attraction Determines the Interfacial Orientation of Liquid Alkanes and Their Crystallization through Heterogeneous or Homogeneous Mechanisms. Crystals, 2017, 7, 86.	1.0	30
14	Is Water at the Graphite Interface Vapor-like or Ice-like?. Journal of Physical Chemistry B, 2018, 122, 3626-3634.	1.2	29
15	Reaction Coordinate for Ice Crystallization on a Soft Surface. Journal of Physical Chemistry Letters, 2017, 8, 4201-4205.	2.1	28
16	Organization and Self-Assembly Away from Equilibrium: Toward Thermodynamic Design Principles. Annual Review of Condensed Matter Physics, 2021, 12, 273-290.	5.2	13
17	A strong nonequilibrium bound for sorting of cross-linkers on growing biopolymers. Proceedings of the United States of America, 2021, 118, .	3.3	4