

Pressure dependence of viscosity in supercooled water
thermodynamic and dynamic anomalies of water

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Citation Report

#	ARTICLE	IF	CITATIONS
1	How Water's Properties Are Encoded in Its Molecular Structure and Energies. <i>Chemical Reviews</i> , 2017, 117, 12385-12414.	47.7	284
2	Which way to low-density liquid water?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8141-8143.	7.1	5
3	Supercooled and glassy water: Metastable liquid(s), amorphous solid(s), and a no-man's land. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13336-13344.	7.1	99
4	Expanding the calculation of activation volumes: Self-diffusion in liquid water. <i>Journal of Chemical Physics</i> , 2018, 148, 134105.	3.0	11
5	Thermodynamics of Fluid Polyamorphism. <i>Physical Review X</i> , 2018, 8, .	8.9	61
6	Water-like anomalies as a function of tetrahedrality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3333-E3341.	7.1	55
7	Common microscopic structural origin for water's thermodynamic and dynamic anomalies. <i>Journal of Chemical Physics</i> , 2018, 149, 224502.	3.0	68
8	Viscosity and self-diffusion of supercooled and stretched water from molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2018, 149, 094503.	3.0	62
9	Origin of the emergent fragile-to-strong transition in supercooled water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9444-9449.	7.1	107
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13	Understanding the Origin of the Breakdown of the Stokes-Einstein Relation in Supercooled Water at Different Temperature-Pressure Conditions. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10089-10099.	2.6	31
14	Friction in Cold Ice Within Outer Solar System Satellites With Reference to Thermal Weakening at High Sliding Velocities. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2397-2413.	3.6	2
15	Consistency of geometrical definitions of hydrogen bonds based on the two-dimensional potential of mean force with respect to the time correlation in liquid water over a wide range of temperatures. <i>Journal of Molecular Liquids</i> , 2019, 294, 111603.	4.9	3
16	Vibrational dynamics of confined supercooled water. <i>Journal of Chemical Physics</i> , 2019, 150, 224504.	3.0	13
17	Energetics of ice nucleation in mesoporous titania using positron annihilation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6033-6041.	2.8	2
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20	On the validity of the Stokesâ€Einstein relation for various water force fields. <i>Molecular Physics</i> , 2020, 118, e1702729.	1.7	22
21	The anomalies and criticality of liquid water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26591-26599.	7.1	57
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29	Pressure Effects on Water Dynamics by Time-Resolved Optical Kerr Effect. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3063-3068.	4.6	8
30	Isotope effects on the high pressure viscosity of liquid water measured by differential dynamic microscopy. <i>Applied Physics Letters</i> , 2020, 116, 233701.	3.3	4
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36	Brownian dynamics simulation of protofilament relaxation during rapid freezing. <i>PLoS ONE</i> , 2021, 16, e0247022.	2.5	3

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52	Pressure and temperature dependence of fluorescence anisotropy of green fluorescent protein. <i>RSC Advances</i> , 2022, 12, 8647-8655.	3.6	1
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57	Shear viscosity and Stokes-Einstein violation in supercooled light and heavy water. <i>Physical Review E</i> , 2022, 106, .	2.1	6
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66	A Maxwell relation for dynamical timescales with application to the pressure and temperature dependence of water self-diffusion and shear viscosity. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 12820-12832.	2.8	0
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