Philip H Handle

List of Publications by Year
in descending order

25 papers	928 citations	567281 15 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	849 citing authors

#	Article	IF	Citations
1	Effective potentials induced by mixtures of patchy and hard co-solutes. Journal of Chemical Physics, 2021, 155, 064901.	3.0	4
2	Polarizable and non-polarizable force fields: Protein folding, unfolding, and misfolding. Journal of Chemical Physics, 2020, 153, 185102.	3.0	26
3	Dynamics Rationalize Proteolytic Susceptibility of the Major Birch Pollen Allergen Bet v 1. Frontiers in Molecular Biosciences, 2020, 7, 18.	3.5	6
4	Charge Anisotropy of Nitrogen: Where Chemical Intuition Fails. Journal of Chemical Theory and Computation, 2020, 16, 4443-4453.	5.3	8
5	Glass polymorphism in TIP4P/2005 water: A description based on the potential energy landscape formalism. Journal of Chemical Physics, 2019, 150, 244506.	3.0	20
6	Glass polymorphism and liquidâ€“liquid phase transition in aqueous solutions: experiments and computer simulations. Physical Chemistry Chemical Physics, 2019, 21, 23238-23268.	2.8	33
7	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>q</mml:mi></mml:math> -Independent Slow Dynamics in Atomic and Molecular Systems. Physical Review Letters, 2019, 122, 175501.	7.8	19
8	Size dependence of dynamic fluctuations in liquid and supercooled water. Journal of Chemical Physics, 2019, 150, 144505.	3.0	5
9	Potential energy landscape of TIP4P/2005 water. Journal of Chemical Physics, 2018, 148, 134505.	3.0	32
10	Experimental study of the polyamorphism of water. II. The isobaric transitions between HDA and VHDA at intermediate and high pressures. Journal of Chemical Physics, 2018, 148, 124509.	3.0	17
11	Experimental study of the polyamorphism of water. I. The isobaric transitions from amorphous ices to LDA at 4 MPa. Journal of Chemical Physics, 2018, 148, 124508.	3.0	13
12	The Adamâ€“Gibbs relation and the TIP4P/2005 model of water. Molecular Physics, 2018, 116, 3366-3371.	1.7	11
13	Condensation and Demixing in Solutions of DNA Nanostars and Their Mixtures. ACS Nano, 2017, 11, 2094-2102.	14.6	28
14	Relaxation dynamics and transformation kinetics of deeply supercooled water: Temperature, pressure, doping, and proton/deuteron isotope effects. Journal of Chemical Physics, 2017, 147, 034506.	3.0	23
15	Supercooled and glassy water: Metastable liquid(s), amorphous solid(s), and a no-manâ€™s land. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13336-13344.	7.1	99
16	Dynamics anomaly in high-density amorphous ice between 0.7 and 1.1 GPa. Physical Review B, 2016, 93, .	3.2	19
17	Ex situ studies of relaxation and crystallization in high-density amorphous ice annealed at 0.1 and 0.2 GPa. Thermochimica Acta, 2016, 636, 11-22.	2.7	5
18	Temperature-induced amorphisation of hexagonal ice. Physical Chemistry Chemical Physics, 2015, 17, 5403-5412.	2.8	14

#	Article	IF	Citations
19	The glass transition in high-density amorphous ice. Journal of Non-Crystalline Solids, 2015, 407, 423-430.	3.1	52
20	From parallel to single crystallization kinetics in high-density amorphous ice. Physical Review B, 2013, 88, .	3.2	34
21	Waterâ€™s second glass transition. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17720-17725.	7.1	243
22	Relaxation Time of High-Density Amorphous Ice. Physical Review Letters, 2012, 108, 225901.	7.8	36
23	Limits of metastability in amorphous ices: the neutron scattering Debyeâ€“Waller factor. Physical Chemistry Chemical Physics, 2012, 14, 16386.	2.8	12
24	How many amorphous ices are there?. Physical Chemistry Chemical Physics, 2011, 13, 8783.	2.8	167
25	Comment on Y. Yoshimura: â€œPressure-induced phase transition of ice in aqueous KOH solutionâ€. High Pressure Research, 2011, 31, 488-490.	1.2	2