

Michael von Domaros

List of Publications by Year in descending order

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25
papers

674
citations

471061

17
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

590
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and lifetimes in ionic liquids and their mixtures. <i>Faraday Discussions</i> , 2018, 206, 219-245.	1.6	74
2	The impact of clothing on ozone and squalene ozonolysis products in indoor environments. <i>Communications Chemistry</i> , 2019, 2, .	2.0	54
3	What can clusters tell us about the bulk?. <i>Computer Physics Communications</i> , 2011, 182, 1428-1446.	3.0	46
4	Binary systems from quantum cluster equilibrium theory. <i>Journal of Chemical Physics</i> , 2011, 135, 194113.	1.2	44
5	Predicting the Ionic Product of Water. <i>Scientific Reports</i> , 2017, 7, 10244.	1.6	40
6	Modelling consortium for chemistry of indoor environments (MOCCIE): integrating chemical processes from molecular to room scales. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1240-1254.	1.7	36
7	Anisotropic structure and dynamics of water under static electric fields. <i>Journal of Chemical Physics</i> , 2019, 150, 074505.	1.2	34
8	Coupled Cluster in Condensed Phase. Part II: Liquid Hydrogen Fluoride from Quantum Cluster Equilibrium Theory. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 868-875.	2.3	33
9	Importance of Structural Motifs in Liquid Hydrogen Fluoride. <i>ChemPhysChem</i> , 2011, 12, 3474-3482.	1.0	31
10	Thermodynamics and proton activities of protic ionic liquids with quantum cluster equilibrium theory. <i>Journal of Chemical Physics</i> , 2018, 148, 193822.	1.2	30
11	Peacemaker 2: Making clusters talk about binary mixtures and neat liquids. <i>SoftwareX</i> , 2018, 7, 356-359.	1.2	29
12	Multiscale Modeling of Human Skin Oil-Induced Indoor Air Chemistry: Combining Kinetic Models and Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3836-3843.	1.2	28
13	Effect of an external electric field on the dynamics and intramolecular structures of ions in an ionic liquid. <i>Journal of Chemical Physics</i> , 2019, 151, 164503.	1.2	24
14	Predicting Mole Fraction-Dependent Dissociation for Weak Acids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3212-3216.	7.2	21
15	Dynamics at a Janus Interface. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4561-4567.	1.5	20
16	Quantum cluster equilibrium model of <i>N</i> -methylformamide-water binary mixtures. <i>Journal of Chemical Physics</i> , 2016, 144, 064305.	1.2	20
17	Predicting miscibility of binary liquids from small cluster QCE calculations. <i>Journal of Chemical Physics</i> , 2017, 146, 154502.	1.2	19
18	Femtosecond 2DIR spectroscopy of the nitrile stretching vibration of thiocyanate anions in liquid-to-supercritical heavy water. Spectral diffusion and libration-induced hydrogen-bond dynamics. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29776-29785.	1.3	16

#	ARTICLE	IF	CITATIONS
19	Anharmonic effects in the quantum cluster equilibrium method. <i>Journal of Chemical Physics</i> , 2017, 146, 124114.	1.2	15
20	Multiphase Ozonolysis of Oleic Acid-Based Lipids: Quantitation of Major Products and Kinetic Multilayer Modeling. <i>Environmental Science & Technology</i> , 2022, 56, 7716-7728.	4.6	14
21	Molecular Orientation at the Squalene/Air Interface from Sum Frequency Generation Spectroscopy and Atomistic Modeling. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3932-3941.	1.2	13
22	A one-parameter quantum cluster equilibrium approach. <i>Journal of Chemical Physics</i> , 2012, 137, 164107.	1.2	11
23	Dissoziation schwacher Säuren über den gesamten Molenbruchbereich. <i>Angewandte Chemie</i> , 2019, 131, 3245-3249.	1.6	11
24	The Ionic Product of Water in the Eye of the Quantum Cluster Equilibrium. <i>Molecules</i> , 2022, 27, 1286.	1.7	6
25	Multifaceted Water Dynamics in Spherical Nanocages. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5989-5998.	1.5	5