

Erik Wernersson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7732155/publications.pdf>

Version: 2024-02-01

32
papers

1,345
citations

331642

21
h-index

414395

32
g-index

32
all docs

32
docs citations

32
times ranked

2034
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Acceleration and Retardation of Water Dynamics by Ions. <i>Journal of the American Chemical Society</i> , 2013, 135, 11824-11831.	13.7	203
2	Field-induced assembly of colloidal ellipsoids into well-defined microtubules. <i>Nature Communications</i> , 2014, 5, 5516.	12.8	96
3	Effect of Water Polarizability on the Properties of Solutions of Polyvalent Ions: Simulations of Aqueous Sodium Sulfate with Different Force Fields. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 3233-3240.	5.3	79
4	Charge Inversion and Ion-Ion Correlation Effects at the Mercury/Aqueous MgSO_4 Interface: Toward the Solution of a Long-Standing Issue. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1849-1866.	3.1	75
5	Solvation and ion-pairing properties of the aqueous sulfate anion: explicit versus effective electronic polarization. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10248.	2.8	74
6	Ionization of Cellobiose in Aqueous Alkali and the Mechanism of Cellulose Dissolution. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 5044-5048.	4.6	62
7	Overcharging in Biological Systems: Reversal of Electrophoretic Mobility of Aqueous Polyaspartate by Multivalent Cations. <i>Physical Review Letters</i> , 2012, 108, 186101.	7.8	61
8	Accurate Description of Aqueous Carbonate Ions: An Effective Polarization Model Verified by Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8145-8153.	2.6	57
9	The protonation state of small carboxylic acids at the water surface from photoelectron spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12261.	2.8	55
10	The influence of concentration on the molecular surface structure of simple and mixed aqueous electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10693.	2.8	54
11	Guanidinium Cations Pair with Positively Charged Arginine Side Chains in Water. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1387-1389.	4.6	49
12	Orientational Dependence of the Affinity of Guanidinium Ions to the Water Surface. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12521-12526.	2.6	44
13	On the effect of image charges and ion-wall dispersion forces on electric double layer interactions. <i>Journal of Chemical Physics</i> , 2006, 125, 154702.	3.0	43
14	Effect of Association with Sulfate on the Electrophoretic Mobility of Polyarginine and Polylysine. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11934-11941.	2.6	40
15	Self-Assembly of Ionic Microgels Driven by an Alternating Electric Field: Theory, Simulations, and Experiments. <i>ACS Nano</i> , 2018, 12, 4321-4337.	14.6	39
16	The mechanism of cellulose solubilization by urea studied by molecular simulation. <i>Cellulose</i> , 2015, 22, 991-1001.	4.9	37
17	On the dissolution of cellulose in tetrabutylammonium acetate/dimethyl sulfoxide: a frustrated solvent. <i>Cellulose</i> , 2017, 24, 3645-3657.	4.9	36
18	Aggregation of Oligoarginines at Phospholipid Membranes: Molecular Dynamics Simulations, Time-Dependent Fluorescence Shift, and Biomimetic Colorimetric Assays. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11530-11540.	2.6	34

#	ARTICLE	IF	CITATIONS
19	Surface Behavior of Hydrated Guanidinium and Ammonium Ions: A Comparative Study by Photoelectron Spectroscopy and Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7119-7127.	2.6	27
20	Directed Self-Assembly of Polarizable Ellipsoids in an External Electric Field. <i>Langmuir</i> , 2017, 33, 13834-13840.	3.5	27
21	Ion correlation forces between uncharged dielectric walls. <i>Journal of Chemical Physics</i> , 2008, 129, 144701.	3.0	22
22	Anisotropic magnetic particles in a magnetic field. <i>Soft Matter</i> , 2016, 12, 8755-8767.	2.7	22
23	Image Charges and Dispersion Forces in Electric Double Layers: The Dependence of Wall-Wall Interactions on Salt Concentration and Surface Charge Density. <i>Journal of Physical Chemistry B</i> , 2007, 111, 14279-14284.	2.6	19
24	Icosahedral capsid formation by capsomer subunits and a semiflexible polyion. <i>RSC Advances</i> , 2013, 3, 25258.	3.6	15
25	Counterion condensation in short cationic peptides: Limiting mobilities beyond the κ -O κ -nsager κ -F κ -uoss theory. <i>Electrophoresis</i> , 2012, 33, 981-989.	2.4	13
26	Spreading and Brush Formation by End-Grafted Bottle-Brush Polymers with Adsorbing Side Chains. <i>Langmuir</i> , 2013, 29, 10455-10462.	3.5	11
27	Molecular orientation distribution of regenerated cellulose fibers investigated with rotor synchronized solid state NMR spectroscopy. <i>Cellulose</i> , 2019, 26, 4681-4692.	4.9	11
28	Anomalous surface behavior of hydrated guanidinium ions due to ion pairing. <i>Journal of Chemical Physics</i> , 2018, 148, 144508.	3.0	10
29	Understanding the Inhibiting Effect of Small-Molecule Hydrogen Bond Donors on the Solubility of Cellulose in Tetrabutylammonium Acetate/DMSO. <i>Journal of Physical Chemistry B</i> , 2017, 121, 11241-11248.	2.6	10
30	Direct Evidence for Reaction between Cellulose and CO ₂ from Nuclear Magnetic Resonance. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14006-14011.	6.7	8
31	Cellulose-Water Interactions: Effect of electronic polarizability. <i>Nordic Pulp and Paper Research Journal</i> , 2015, 30, 26-31.	0.7	7
32	Lateral Interactions in Brush Layers of Bottle-Brush Polymers. <i>Langmuir</i> , 2014, 30, 11117-11121.	3.5	5