

Halil I Okur

List of Publications by Year in descending order

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36
papers

1,514
citations

471509

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361022

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37
docs citations

37
times ranked

2098
citing authors

#	ARTICLE	IF	CITATIONS
1	Weakly hydrated anions bind to polymers but not monomers in aqueous solutions. <i>Nature Chemistry</i> , 2022, 14, 40-45.	13.6	57
2	Ultrasensitive Label-Free Detection of Protein-Membrane Interaction Exemplified by Toxin-Liposome Insertion. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3197-3201.	4.6	2
3	Hyaluronan orders water molecules in its nanoscale extended hydration shells. <i>Science Advances</i> , 2021, 7, .	10.3	9
4	Local Electric Fields in Aqueous Electrolytes. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8484-8493.	2.6	9
5	Lipid Melting Transitions Involve Structural Redistribution of Interfacial Water. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12457-12465.	2.6	9
6	Role of Water in the Lyotropic Liquid Crystalline Mesophase of Lithium Salts and Non-ionic Surfactants. <i>Langmuir</i> , 2021, 37, 14443-14453.	3.5	7
7	Surface Propensity of Anions in a Binary Ionic-Liquid Mixture Assessed by Full-Range Angle-Resolved X-ray Photoelectron Spectroscopy and Surface-Tension Measurements. <i>ChemPhysChem</i> , 2020, 21, 2397-2401.	2.1	3
8	Molecular Mechanism for the Interactions of Hofmeister Cations with Macromolecules in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2020, 142, 19094-19100.	13.7	53
9	On the stability and necessary electrophoretic mobility of bare oil nanodroplets in water. <i>Journal of Chemical Physics</i> , 2020, 152, 241104.	3.0	18
10	Transient domains of ordered water induced by divalent ions lead to lipid membrane curvature fluctuations. <i>Communications Chemistry</i> , 2020, 3, .	4.5	17
11	Temperature dependence of intermolecular correlations in bulk water and electrolyte solutions. , 2020, , .		0
12	Chemistry of Lipid Membranes from Models to Living Systems: A Perspective of Hydration, Surface Potential, Curvature, Confinement and Heterogeneity. <i>Journal of the American Chemical Society</i> , 2019, 141, 12168-12181.	13.7	39
13	A stepwise mechanism for aqueous two-phase system formation in concentrated antibody solutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15784-15791.	7.1	21
14	Specific Ion Effects at the Interface of Nanometer-Sized Droplets in Water: Structure and Stability. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16621-16630.	3.1	17
15	The Diverse Nature of Ion Speciation at the Nanoscale Hydrophobic/Water Interface. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2414-2423.	2.6	16
16	Determination and evaluation of the nonadditivity in wetting of molecularly heterogeneous surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25516-25523.	7.1	8
17	Polyelectrolytes induce water-water correlations that result in dramatic viscosity changes and nuclear quantum effects. <i>Science Advances</i> , 2019, 5, eaay1443.	10.3	20
18	Membrane-Protein Hydration Interaction of β -Synuclein with Anionic Vesicles Probed via Angle-Resolved Second-Harmonic Scattering. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1044-1049.	2.6	10

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19	Zwitterionic and Charged Lipids Form Remarkably Different Structures on Nanoscale Oil Droplets in Aqueous Solution. <i>Langmuir</i> , 2018, 34, 1042-1050.	3.5	17
20	The Jonesâ€“Ray Effect Is Not Caused by Surface-Active Impurities. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6739-6743.	4.6	15
21	Hydration mediated interfacial transitions on mixed hydrophobic/hydrophilic nanodroplet interfaces. <i>Journal of Chemical Physics</i> , 2018, 149, 234704.	3.0	4
22	Comment on â€œWater-water correlations in electrolyte solutions probed by hyper-Rayleigh scatteringâ€• [J. Chem. Phys. 147, 214505 (2017)]. <i>Journal of Chemical Physics</i> , 2018, 149, 167101.	3.0	3
23	Kinetically Stable Triglyceride-Based Nanodroplets and Their Interactions with Lipid-Specific Proteins. <i>Langmuir</i> , 2018, 34, 8983-8993.	3.5	3
24	Temperature dependence of water-water and ion-water correlations in bulk water and electrolyte solutions probed by femtosecond elastic second harmonic scattering. <i>Journal of Chemical Physics</i> , 2018, 148, 222835.	3.0	16
25	Beyond the Hofmeister Series: Ion-Specific Effects on Proteins and Their Biological Functions. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1997-2014.	2.6	466
26	Interfacial Structure and Hydration of 3D Lipid Monolayers in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2808-2813.	2.6	16
27	Optical imaging of surface chemistry and dynamics in confinement. <i>Science</i> , 2017, 357, 784-788.	12.6	89
28	Orientational ordering of water in extended hydration shells of cations is ion-specific and is correlated directly with viscosity and hydration free energy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24678-24688.	2.8	32
29	The Molecular Mechanism of Nanodroplet Stability. <i>ACS Nano</i> , 2017, 11, 12111-12120.	14.6	46
30	Electrolytes induce long-range orientational order and free energy changes in the H-bond network of bulk water. <i>Science Advances</i> , 2016, 2, e1501891.	10.3	151
31	Intermolecular Headgroup Interaction and Hydration as Driving Forces for Lipid Transmembrane Asymmetry. <i>Journal of the American Chemical Society</i> , 2016, 138, 4053-4060.	13.7	48
32	An NH Moiety Is Not Required for Anion Binding to Amides in Aqueous Solution. <i>Langmuir</i> , 2015, 31, 3459-3464.	3.5	57
33	Three Dimensional Nano â€œLangmuir Troughâ€•for Lipid Studies. <i>Nano Letters</i> , 2015, 15, 5558-5563.	9.1	38
34	Effects of End-Group Termination on Salting-Out Constants for Triglycine. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 4069-4073.	4.6	20
35	Cations Bind Only Weakly to Amides in Aqueous Solutions. <i>Journal of the American Chemical Society</i> , 2013, 135, 5062-5067.	13.7	155
36	Synthesis of Stable Mesostructured Coupled Semiconductor Thin Films: meso-CdS-TiO ₂ and meso-CdSe-TiO ₂ . <i>Langmuir</i> , 2010, 26, 538-544.	3.5	23