# Halil I Okur

List of Publications by Year
in descending order



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|---|---|---|---|
| 36 papers | 1,514 citations | 471509 17 h-index | 361022 35 g-index |
| 37 all docs | 37 docs citations | 37 times ranked | 2098 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Beyond the Hofmeister Series: Ion-Specific Effects on Proteins and Their Biological Functions. Journal of Physical Chemistry B, 2017, 121, 1997-2014. | 2.6 | 466 |
| 2 | Cations Bind Only Weakly to Amides in Aqueous Solutions. Journal of the American Chemical Society, 2013, 135, 5062-5067. | 13.7 | 155 |
| 3 | Electrolytes induce long-range orientational order and free energy changes in the H-bond network of bulk water. Science Advances, 2016, 2, e1501891. | 10.3 | 151 |
| 4 | Optical imaging of surface chemistry and dynamics in confinement. Science, 2017, 357, 784-788. | 12.6 | 89 |
| 5 | An NH Moiety Is Not Required for Anion Binding to Amides in Aqueous Solution. Langmuir, 2015, 31, 3459-3464. | 3.5 | 57 |
| 6 | Weakly hydrated anions bind to polymers but not monomers in aqueous solutions. Nature Chemistry, 2022, 14, 40-45. | 13.6 | 57 |
| 7 | Molecular Mechanism for the Interactions of Hofmeister Cations with Macromolecules in Aqueous Solution. Journal of the American Chemical Society, 2020, 142, 19094-19100. | 13.7 | 53 |
| 8 | Intermolecular Headgroup Interaction and Hydration as Driving Forces for Lipid Transmembrane Asymmetry. Journal of the American Chemical Society, 2016, 138, 4053-4060. | 13.7 | 48 |
| 9 | The Molecular Mechanism of Nanodroplet Stability. ACS Nano, 2017, 11, 12111-12120. | 14.6 | 46 |
| 10 | Chemistry of Lipid Membranes from Models to Living Systems: A Perspective of Hydration, Surface Potential, Curvature, Confinement and Heterogeneity. Journal of the American Chemical Society, 2019, 141, 12168-12181. | 13.7 | 39 |
| 11 | Three Dimensional Nano â€œLangmuir Troughâ€•for Lipid Studies. Nano Letters, 2015, 15, 5558-5563. | 9.1 | 38 |
| 12 | Orientational ordering of water in extended hydration shells of cations is ion-specific and is correlated directly with viscosity and hydration free energy. Physical Chemistry Chemical Physics, 2017, 19, 24678-24688. | 2.8 | 32 |
| 13 | Synthesis of Stable Mesostructured Coupled Semiconductor Thin Films: meso-CdS-TiO<sub>2</sub> and meso-CdSe-TiO<sub>2</sub>. Langmuir, 2010, 26, 538-544. | 3.5 | 23 |
| 14 | A stepwise mechanism for aqueous two-phase system formation in concentrated antibody solutions. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15784-15791. | 7.1 | 21 |
| 15 | Effects of End-Group Termination on Salting-Out Constants for Triglycine. Journal of Physical Chemistry Letters, 2013, 4, 4069-4073. | 4.6 | 20 |
| 16 | Polyelectrolytes induce water-water correlations that result in dramatic viscosity changes and nuclear quantum effects. Science Advances, 2019, 5, eaay1443. | 10.3 | 20 |
| 17 | On the stability and necessary electrophoretic mobility of bare oil nanodroplets in water. Journal of Chemical Physics, 2020, 152, 241104. | 3.0 | 18 |
| 18 | Zwitterionic and Charged Lipids Form Remarkably Different Structures on Nanoscale Oil Droplets in Aqueous Solution. Langmuir, 2018, 34, 1042-1050. | 3.5 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Specific Ion Effects at the Interface of Nanometer-Sized Droplets in Water: Structure and Stability. Journal of Physical Chemistry C, 2019, 123, 16621-16630. | 3.1 | 17 |
| 20 | Transient domains of ordered water induced by divalent ions lead to lipid membrane curvature fluctuations. Communications Chemistry, 2020, 3, . | 4.5 | 17 |
| 21 | Interfacial Structure and Hydration of 3D Lipid Monolayers in Aqueous Solution. Journal of Physical Chemistry B, 2017, 121, 2808-2813. | 2.6 | 16 |
| 22 | Temperature dependence of water-water and ion-water correlations in bulk water and electrolyte solutions probed by femtosecond elastic second harmonic scattering. Journal of Chemical Physics, 2018, 148, 222835. | 3.0 | 16 |
| 23 | The Diverse Nature of Ion Speciation at the Nanoscale Hydrophobic/Water Interface. Journal of Physical Chemistry B, 2019, 123, 2414-2423. | 2.6 | 16 |
| 24 | The Jonesâ€“Ray Effect Is Not Caused by Surface-Active Impurities. Journal of Physical Chemistry Letters, 2018, 9, 6739-6743. | 4.6 | 15 |
| 25 | Membraneâ€“Proteinâ€“Hydration Interaction of Î±-Synuclein with Anionic Vesicles Probed via Angle-Resolved Second-Harmonic Scattering. Journal of Physical Chemistry B, 2019, 123, 1044-1049. | 2.6 | 10 |
| 26 | Hyaluronan orders water molecules in its nanoscale extended hydration shells. Science Advances, 2021, 7, . | 10.3 | 9 |
| 27 | Local Electric Fields in Aqueous Electrolytes. Journal of Physical Chemistry B, 2021, 125, 8484-8493. | 2.6 | 9 |
| 28 | Lipid Melting Transitions Involve Structural Redistribution of Interfacial Water. Journal of Physical Chemistry B, 2021, 125, 12457-12465. | 2.6 | 9 |
| 29 | Determination and evaluation of the nonadditivity in wetting of molecularly heterogeneous surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25516-25523. | 7.1 | 8 |
| 30 | Role of Water in the Lyotropic Liquid Crystalline Mesophase of Lithium Salts and Non-ionic Surfactants. Langmuir, 2021, 37, 14443-14453. | 3.5 | 7 |
| 31 | Hydration mediated interfacial transitions on mixed hydrophobic/hydrophilic nanodroplet interfaces. Journal of Chemical Physics, 2018, 149, 234704. | 3.0 | 4 |
| 32 | Comment on â€œWater-water correlations in electrolyte solutions probed by hyper-Rayleigh scatteringâ€• [J. Chem. Phys. 147, 214505 (2017)]. Journal of Chemical Physics, 2018, 149, 167101. | 3.0 | 3 |
| 33 | Kinetically Stable Triglyceride-Based Nanodroplets and Their Interactions with Lipid-Specific Proteins. Langmuir, 2018, 34, 8983-8993. | 3.5 | 3 |
| 34 | Surface Propensity of Anions in a Binary Ionicâ€Liquid Mixture Assessed by Fullâ€Range Angleâ€Resolved Xâ€ray Photoelectron Spectroscopy and Surfaceâ€Tension Measurements. ChemPhysChem, 2020, 21, 2397-2401. | 2.1 | 3 |
| 35 | Ultrasensitive Label-Free Detection of Proteinâ€“Membrane Interaction Exemplified by Toxin-Liposome Insertion. Journal of Physical Chemistry Letters, 2022, 13, 3197-3201. | 4.6 | 2 |
| 36 | Temperature dependence of intermolecular correlations in bulk water and electrolyte solutions. , 2020, , . | | 0 |