

Oliver Hammond

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,665
citations

623574

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docs citations

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times ranked

1699
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Water upon Deep Eutectic Solvent Nanostructure: An Unusual Transition from Ionic Mixture to Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9782-9785.	7.2	497
2	Liquid structure of the choline chloride-urea deep eutectic solvent (reline) from neutron diffraction and atomistic modelling. <i>Green Chemistry</i> , 2016, 18, 2736-2744.	4.6	395
3	Deep eutectic-solvothermal synthesis of nanostructured ceria. <i>Nature Communications</i> , 2017, 8, 14150.	5.8	122
4	Resilience of Malic Acid Natural Deep Eutectic Solvent Nanostructure to Solidification and Hydration. <i>Journal of Physical Chemistry B</i> , 2017, 121, 7473-7483.	1.2	122
5	Nanostructure of the deep eutectic solvent/platinum electrode interface as a function of potential and water content. <i>Nanoscale Horizons</i> , 2019, 4, 158-168.	4.1	67
6	The Effect of Water upon Deep Eutectic Solvent Nanostructure: An Unusual Transition from Ionic Mixture to Aqueous Solution. <i>Angewandte Chemie</i> , 2017, 129, 9914-9917.	1.6	59
7	Surfactant-Solvent Interaction Effects on the Micellization of Cationic Surfactants in a Carboxylic Acid-Based Deep Eutectic Solvent. <i>Langmuir</i> , 2017, 33, 14304-14314.	1.6	56
8	Structure and Properties of α -Type IV Lanthanide Nitrate Hydrate:Urea Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4932-4940.	3.2	52
9	Ionic liquids and deep eutectics as a transformative platform for the synthesis of nanomaterials. <i>Chemical Communications</i> , 2022, 58, 3865-3892.	2.2	49
10	Microwave-assisted deep eutectic-solvothermal preparation of iron oxide nanoparticles for photoelectrochemical solar water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16189-16199.	5.2	40
11	Connecting chloride solvation with hydration in deep eutectic systems. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 107-111.	1.3	37
12	Insights into the Influence of Solvent Polarity on the Crystallization of Poly(ethylene oxide) Spin-Coated Thin Films via in Situ Grazing Incidence Wide-Angle X-ray Scattering. <i>Macromolecules</i> , 2016, 49, 4579-4586.	2.2	31
13	Counterion binding alters surfactant self-assembly in deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13952-13961.	1.3	30
14	Morphology Modulation of Ionic Surfactant Micelles in Ternary Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6004-6014.	1.2	26
15	Structural evolution of iron forming iron oxide in a deep eutectic-solvothermal reaction. <i>Nanoscale</i> , 2021, 13, 1723-1737.	2.8	14
16	Electrochemistry: general discussion. <i>Faraday Discussions</i> , 2018, 206, 405-426.	1.6	13
17	Interactions of water and amphiphiles with deep eutectic solvent nanostructures. <i>Advances in Botanical Research</i> , 2021, 97, 41-68.	0.5	12
18	Multicharge zwitterionic molecules: Hydration, kosmotropicity and anti-fouling potential. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 391-399.	5.0	10

#	ARTICLE	IF	CITATIONS
19	Tuning the solvation of indigo in aqueous deep eutectics. <i>Journal of Chemical Physics</i> , 2021, 154, 224502.	1.2	10
20	Neutron Diffraction Study of Indole Solvation in Deep Eutectic Systems of Choline Chloride, Malic Acid, and Water. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	7
21	Hydration of sulfobetaine dizwitterions as a function of alkyl spacer length. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16040-16050.	1.3	6
22	Innenr¼cktitelbild: The Effect of Water upon Deep Eutectic Solvent Nanostructure: An Unusual Transition from Ionic Mixture to Aqueous Solution (<i>Angew. Chem.</i> 33/2017). <i>Angewandte Chemie</i> , 2017, 129, 10131-10131.	1.6	1