

Coby J Clarke

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,525
citations

1039406

9
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

2465
citing authors

#	ARTICLE	IF	CITATIONS
1	Green and Sustainable Solvents in Chemical Processes. <i>Chemical Reviews</i> , 2018, 118, 747-800.	23.0	1,253
2	Revealing the complexity of ionic liquid-protein interactions through a multi-technique investigation. <i>Communications Chemistry</i> , 2020, 3, .	2.0	56
3	Acidity and basicity of halometallate-based ionic liquids from X-ray photoelectron spectroscopy. <i>RSC Advances</i> , 2013, 3, 9436.	1.7	42
4	Interplay of Acid-Base Ratio and Recycling on the Pretreatment Performance of the Protic Ionic Liquid Monoethanolammonium Acetate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7952-7961.	3.2	36
5	Thermally-Stable Imidazolium Dicationic Ionic Liquids with Pyridine Functional Groups. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8762-8772.	3.2	25
6	Zinc 1s Valence-to-Core X-ray Emission Spectroscopy of Halozincate Complexes. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9552-9559.	1.1	18
7	Thermal stability of dialkylimidazolium tetrafluoroborate and hexafluorophosphate ionic liquids: <i>ex situ</i> bulk heating to complement <i>in situ</i> mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16786-16800.	1.3	16
8	Resolving X-ray photoelectron spectra of ionic liquids with difference spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 114-123.	1.3	13
9	Expanding the design space of gel materials through ionic liquid mediated mechanical and structural tuneability. <i>Materials Horizons</i> , 2020, 7, 820-826.	6.4	12
10	Halometallate ionic liquids: thermal properties, decomposition pathways, and life cycle considerations. <i>Green Chemistry</i> , 2022, 24, 5800-5812.	4.6	9
11	Ion chromatography for monitoring [NTf ₂] ⁻ anion contaminants in pure and saline water. <i>Analytical Methods</i> , 2020, 12, 2244-2252.	1.3	8
12	Exploring conformational preferences of proteins: ionic liquid effects on the energy landscape of avidin. <i>Chemical Science</i> , 2021, 12, 196-209.	3.7	8
13	Linking the Thermal and Electronic Properties of Functional Dicationic Salts with Their Molecular Structures. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6224-6234.	3.2	8
14	Implications for Heavy Metal Extractions from Hyper Saline Brines with [NTf ₂] ⁻ Ionic Liquids: Performance, Solubility, and Cost. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 12536-12544.	1.8	7
15	Experimental measurement and prediction of ionic liquid ionisation energies. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 20957-20973.	1.3	6
16	Controlling surface chemistry and mechanical properties of metal ionogels through Lewis acidity and basicity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4679-4686.	5.2	3
17	Thermolysis of Organofluoroborate Ionic Liquids to NHC-Organofluoroborates. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16386-16390.	3.2	2
18	Resonant Electron Spectroscopy: Identification of Atomic Contributions to Valence States. <i>Faraday Discussions</i> , 2022, , .	1.6	2

#	ARTICLE	IF	CITATIONS
19	Solvation Behavior of Ionic Liquids and Their Role in the Production of Lignocellulosic Biofuels and Sustainable Chemical Feedstocks. Series on Chemistry, Energy and the Environment, 2018, , 77-134.	0.3	1