

Ling He

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

1,371
citations

18
h-index

36
g-index

50
ext. papers

1,614
ext. citations

6.5
avg, IF

4.43
L-index

#	Paper	IF	Citations
47	Preparation, characterization and application of amino acid-based green ionic liquids. <i>Green Chemistry</i> , 2006 , 8, 639	10	287
46	New generation ionic liquids: cations derived from amino acids. <i>Chemical Communications</i> , 2005 , 3562-4	5.8	285
45	Nitrocyanamide-based ionic liquids and their potential applications as hypergolic fuels. <i>Chemistry - A European Journal</i> , 2010 , 16, 5736-43	4.8	103
44	Viscosity, Conductivity, and Electrochemical Property of Dicyanamide Ionic Liquids. <i>Frontiers in Chemistry</i> , 2018 , 6, 59	5	63
43	High-performance particulate matter including nanoscale particle removal by a self-powered air filter. <i>Nature Communications</i> , 2020 , 11, 1653	17.4	50
42	Water-free rare-earth-metal ionic liquids/ionic liquid crystals based on hexanitratolanthanate(III) anion. <i>Chemistry - A European Journal</i> , 2013 , 19, 4452-61	4.8	44
41	High yield of ethyl valerate from the esterification of renewable valeric acid catalyzed by amino acid ionic liquids. <i>RSC Advances</i> , 2013 , 3, 4806	3.7	40
40	Manipulating surface ligands of copper sulfide nanocrystals: synthesis, characterization, and application to organic solar cells. <i>Journal of Colloid and Interface Science</i> , 2014 , 419, 142-7	9.3	39
39	Liquid-phase synthesis of methyl formate via heterogeneous carbonylation of methanol over a soluble copper nanocluster catalyst. <i>Green Chemistry</i> , 2008 , 10, 619	10	36
38	Slightly viscous amino acid ionic liquids: synthesis, properties, and calculations. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 15162-9	3.4	35
37	Broadened acidity of bio-protic ionic liquids: the acidic scale of [AA]X amino acid ionic liquids. <i>Green Chemistry</i> , 2015 , 17, 5154-5163	10	34
36	Liquid dinitromethanide salts. <i>Inorganic Chemistry</i> , 2011 , 50, 679-85	5.1	31
35	Self-assembled ionic nanofibers derived from amino acids for high-performance particulate matter removal. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4619-4625	13	28
34	Synthesis, Structure and Property of 5-Aminotetrazolate Room-Temperature Ionic Liquids. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 3070-3078	2.3	24
33	Nitrogen-Rich Energetic Ionic Liquids Based on the N,N-Bis(1H-tetrazol-5-yl)amine Anion \square Syntheses, Structures, and Properties. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, n/a-n/a	2.3	23
32	Experimental and theoretical enthalpies of formation of glycine-based sulfate/bisulfate amino acid ionic liquids. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 113-9	3.4	23
31	Impact insensitive dinitromethanide salts. <i>Chemical Communications</i> , 2013 , 49, 10329-31	5.8	22

30	Synthesis, structure and near-infrared photoluminescence of hexanitratoneodymate ionic liquids. <i>Dalton Transactions</i> , 2015 , 44, 2325-32	4.3	18
29	Biocompatible Ionic Liquid Based on Curcumin as Fluorescence Probe for Detecting Benzoyl Peroxide without the Interference of HO. <i>Analytical Chemistry</i> , 2019 , 91, 6593-6599	7.8	17
28	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20846-20851	16.4	17
27	Long-lived luminescent soft materials of hexanitratosamarate(III) complexes with orange visible emission. <i>Dalton Transactions</i> , 2015 , 44, 8816-23	4.3	14
26	Super impact stable TATB explosives recrystallized by bicarbonate ionic liquids with a record solubility. <i>Scientific Reports</i> , 2020 , 10, 4477	4.9	14
25	Designing high-performance hypergolic propellants based on materials genome. <i>Science Advances</i> , 2020 , 6,	14.3	13
24	Renewable Lanthanide Ionic Liquid/Polymer Composites for High-Efficient Adsorption of Particulate Matter. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1700448	4.6	11
23	Handy fluorescent paper device based on a curcumin derivative for ultrafast detection of peroxide-based explosives. <i>Chemical Communications</i> , 2019 , 55, 13661-13664	5.8	11
22	Is it Always Chemical When Amino Groups Come Across CO? Anion-Anion-Interaction-Induced Inhibition of Chemical Adsorption. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 6536-6542	3.4	10
21	Theoretical Enthalpies of Formation of [AA]X and [AAE]X Type Amino Acid Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1176-1185	2.8	9
20	Materials-Genome Approach to Energetic Materials. <i>Accounts of Materials Research</i> , 2021 , 2, 692-696	7.5	9
19	Tunable luminescence of lanthanide (Ln = Sm, Eu, Tb) hydrophilic ionic polymers based on poly(N-methyl-4-vinylpyridinium-co-styrene) cations. <i>Polymer Chemistry</i> , 2016 , 7, 7068-7077	4.9	8
18	Insensitive ionic bio-energetic materials derived from amino acids. <i>Scientific Reports</i> , 2017 , 7, 12744	4.9	7
17	Fluorescigenic Magnetofluids Based on Gadolinium, Terbium, and Dysprosium-Containing Imidazolium Salts. <i>Inorganic Chemistry</i> , 2018 , 57, 6376-6390	5.1	7
16	Solution prepared O-doped ZnS nanocrystals: Structure characterization, energy level engineering and interfacial application in polymer solar cells. <i>Solar Energy</i> , 2018 , 160, 353-359	6.8	6
15	Insensitive energetic 5-nitroaminotetrazolate ionic liquids. <i>RSC Advances</i> , 2015 , 5, 54527-54534	3.7	5
14	Enhanced Solubility and Antitumor Activity of Curcumin via Breaking and Rebuilding of the Hydrogen Bond. <i>ACS Applied Bio Materials</i> , 2021 , 4, 918-927	4.1	5
13	Self-Healable, Malleable, and Flexible Ionic Polyimine as an Environmental Sensor for Portable Exogenous Pollutant Detection 2022 , 4, 136-144		5

12	Desymmetrized Vertex Design toward a Molecular Cage with Unusual Topology. <i>Angewandte Chemie</i> , 2020 , 132, 21032-21037	3.6	4
11	The influence of ionic radius of interfacial molecule on device performances of polymer solar cells. <i>Solar Energy</i> , 2018 , 170, 906-912	6.8	3
10	Hydrogen-Bonding-Driven Ion-Pair Formation in Protic Ionic Liquid Aqueous Solution. <i>ChemPhysChem</i> , 2019 , 20, 3259-3268	3.2	3
9	Bio-Based Antimicrobial Ionic Materials Fully Composed of Natural Products for Elevated Air Purification. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000046	5.9	2
8	Self-Assembled Biomimetic Capsules for Self-Preservation. <i>Small</i> , 2020 , 16, e2000930	11	2
7	Ultralow-cost portable device for cesium detection via perovskite fluorescence. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127981	12.8	1
6	Anomalous Melting Point of Multicharge Ionic Liquids: Structural, Electrostatic, and Orbital Properties of [Ln(NO)] (Ln = Ce, Pr) Anions. <i>Inorganic Chemistry</i> , 2020 , 59, 13700-13708	5.1	1
5	High performance task-specific ionic liquid in uranium extraction endowed with negatively charged effect. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116601	6	1
4	Hydrogen-bonding and π - π interaction promoted solution-processable mixed matrix membranes for aromatic amines detection. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128490	12.8	1
3	Virtual Reality Assisted General Education of Nuclear Chemistry and Radiochemistry. <i>Journal of Chemical Education</i> , 2022 , 99, 777-786	2.4	0
2	Conjugated Polyelectrolyte Combined with Ionic Liquid as the Hole Transport Layer for Efficient Inverted Perovskite Solar Cells. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 036503	3.9	0
1	Energetic material derivatives of insoluble 3,4,5-triamino-1-tetrazolyl-1,2,4-triazole (TATT). <i>Journal of Molecular Structure</i> , 2022 , 1262, 133099	3.4	