

Yuki Kohno

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.

39
papers

1,569
citations

21
h-index

39
g-index

43
ext. papers

1,763
ext. citations

4.4
avg, IF

5.14
L-index

#	Paper	IF	Citations
39	Ionic liquid/water mixtures: from hostility to conciliation. <i>Chemical Communications</i> , 2012 , 48, 7119-30	5.8	275
38	Thermoresponsive polyelectrolytes derived from ionic liquids. <i>Polymer Chemistry</i> , 2015 , 6, 2163-2178	4.9	153
37	Temperature-responsive ionic liquid/water interfaces: relation between hydrophilicity of ions and dynamic phase change. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 5063-70	3.6	121
36	Extraction of proteins with temperature sensitive and reversible phase change of ionic liquid/water mixture. <i>Polymer Chemistry</i> , 2011 , 2, 862	4.9	77
35	Material design of ionic liquids to show temperature-sensitive LCST-type phase transition after mixing with water. <i>Australian Journal of Chemistry</i> , 2011 , 64, 1560	1.2	74
34	Key Factors to Prepare Polyelectrolytes Showing Temperature-Sensitive Lower Critical Solution Temperature-type Phase Transitions in Water. <i>Australian Journal of Chemistry</i> , 2012 , 65, 91	1.2	71
33	Ionic liquid-derived charged polymers to show highly thermoresponsive LCST-type transition with water at desired temperatures. <i>Chemical Communications</i> , 2012 , 48, 11883-5	5.8	68
32	Functional Design of Ionic Liquids: Unprecedented Liquids that Contribute to Energy Technology, Bioscience, and Materials Sciences. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 852-868	5.1	54
31	Phosphonium-based poly(ionic liquid) membranes: The effect of cation alkyl chain length on light gas separation properties and ionic conductivity. <i>Journal of Membrane Science</i> , 2016 , 498, 408-413	9.6	53
30	Chiral Stability of Phosphonium-type Amino Acid Ionic Liquids. <i>Chemistry Letters</i> , 2006 , 35, 1252-1253	1.7	46
29	Is seven the minimum number of water molecules per ion pair for assured biological activity in ionic liquid-water mixtures?. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14454-60	3.6	43
28	Dual stimuli-responsive phase transition of an ionic liquid/water mixture. <i>Chemical Communications</i> , 2011 , 47, 4772-4	5.8	39
27	Design and properties of functional zwitterions derived from ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 10978-10991	3.6	37
26	Detection of small differences in the hydrophilicity of ions using the LCST-type phase transition of an ionic liquid-water mixture. <i>Chemical Communications</i> , 2013 , 49, 93-5	5.8	34
25	Ammonium based zwitterions showing both LCST- and UCST-type phase transitions after mixing with water in a very narrow temperature range. <i>Chemical Communications</i> , 2014 , 50, 15450-2	5.8	31
24	Ionic liquids showing phase separation with water prepared by mixing hydrophilic and polar amino acid ionic liquids. <i>Chemical Communications</i> , 2013 , 49, 8988-90	5.8	29
23	Introduction of hydrophilic groups onto the ortho-position of benzoate anions induced phase separation of the corresponding ionic liquids with water. <i>Chemical Communications</i> , 2013 , 49, 10248-50	5.8	29

22	Addition of suitably-designed zwitterions improves the saturated water content of hydrophobic ionic liquids. <i>Chemical Communications</i> , 2012 , 48, 11220-2	5.8	28
21	Design of phosphonium-type zwitterion as an additive to improve saturated water content of phase-separated ionic liquid from aqueous phase toward reversible extraction of proteins. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 18350-61	6.3	26
20	Thermoresponsive Poly(Ionic Liquid)s in Aqueous Salt Solutions: Salting-Out Effect on Their Phase Behavior and Water Absorption/Desorption Properties. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1130-4	4.8	25
19	Density fluctuations in aqueous solution of ionic liquid with lower critical solution temperature: Mixture of tetrabutylphosphonium trifluoroacetate and water. <i>Chemical Physics Letters</i> , 2015 , 628, 108-112	4.5	22
18	A Fine Tuning of LCST-type Phase Transition of Poly(ionic liquid)s in Water. <i>Chemistry Letters</i> , 2015 , 44, 238-240	1.7	21
17	Reversible water uptake/release by thermoresponsive polyelectrolyte hydrogels derived from ionic liquids. <i>Chemical Communications</i> , 2015 , 51, 9287-90	5.8	20
16	A cobalt(II) bis(salicylate)-based ionic liquid that shows thermoresponsive and selective water coordination. <i>Chemical Communications</i> , 2014 , 50, 6633-6	5.8	20
15	Imidazolium-Based Poly(ionic liquid)/Ionic Liquid Ion-Gels with High Ionic Conductivity Prepared from a Curable Poly(ionic liquid). <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1150-4	4.8	19
14	Temperature-Driven and Reversible Assembly of Homopolyelectrolytes Derived from Suitably Designed Ionic Liquids in Water. <i>Australian Journal of Chemistry</i> , 2013 , 66, 1393	1.2	19
13	A thermoresponsive poly(ionic liquid) membrane enables concentration of proteins from aqueous media. <i>Chemical Communications</i> , 2016 , 52, 7497-500	5.8	19
12	High ethene/ethane selectivity in 2,2'-bipyridine-based silver(I) complexes by removal of coordinated solvent. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5740-3	16.4	18
11	Selective Transport of Water-Soluble Proteins from Aqueous to Ionic Liquid Phase via a Temperature-Sensitive Phase Change of These Mixtures. <i>Australian Journal of Chemistry</i> , 2012 , 65, 1548	1.2	17
10	Design of Ionic Liquid-Derived Polyelectrolyte Gels Toward Reversible Water Absorption/Desorption System Driven by Small Temperature Change. <i>Australian Journal of Chemistry</i> , 2014 , 67, 1666	1.2	14
9	Renaturation of Cytochrome c Dissolved in Polar Phosphonate-type Ionic Liquids Using Highly Polar Zwitterions. <i>Chemistry Letters</i> , 2017 , 46, 870-872	1.7	12
8	Metal-containing ionic liquid-based, uncharged/charged diblock copolymers that form ordered, phase-separated microstructures and reversibly coordinate small protic molecules. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 2961-2965	2.5	11
7	High Ethene/Ethane Selectivity in 2,2'-Bipyridine-Based Silver(I) Complexes by Removal of Coordinated Solvent. <i>Angewandte Chemie</i> , 2015 , 127, 5832-5835	3.6	11
6	Zwitterion/Bronsted Acid Mixtures Showing Controlled Lower Critical Solution Temperature-Type Phase Changes with Water. <i>Chemistry - A European Journal</i> , 2016 , 22, 12262-5	4.8	10
5	Design of thermoresponsive poly(ionic liquid) gels containing proline units to catalyse aldol reaction in water. <i>Polymer</i> , 2018 , 134, 20-23	3.9	8

4	Reversible and Selective O ₂ Binding Using a New Thermoresponsive Cobalt(II)-Based Ionic Liquid. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 12214-12216	3.9	7
3	Effect of phase behavior for ionic liquid catalysts with reactants/products on reactivity of esterification from long-chain fatty alcohols and fatty acids. <i>Fluid Phase Equilibria</i> , 2019 , 490, 107-113	2.5	5
2	Control of phase separation behaviour of ionic liquid catalysts with reactants/products toward synthesis of long-chain wax esters at moderate temperatures. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 627-633	4.9	3
1	Ionic liquid-derived polyelectrolyte promoting the biphasic condensation of immiscible reactants at moderate temperature. <i>Reaction Chemistry and Engineering</i> ,	4.9	