

Yuki Kohno

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,929
citations

257101

24
h-index

301761

39
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43
all docs

43
docs citations

43
times ranked

1861
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic liquid/water mixtures: from hostility to conciliation. <i>Chemical Communications</i> , 2012, 48, 7119.	2.2	319
2	Thermoresponsive polyelectrolytes derived from ionic liquids. <i>Polymer Chemistry</i> , 2015, 6, 2163-2178.	1.9	184
3	Temperature-responsive ionic liquid/water interfaces: relation between hydrophilicity of ions and dynamic phase change. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5063.	1.3	142
4	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.	0.5	100
5	Extraction of proteins with temperature sensitive and reversible phase change of ionic liquid/water mixture. <i>Polymer Chemistry</i> , 2011, 2, 862.	1.9	92
6	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.	0.5	83
7	Ionic liquid-derived charged polymers to show highly thermoresponsive LCST-type transition with water at desired temperatures. <i>Chemical Communications</i> , 2012, 48, 11883.	2.2	82
8	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.	2.0	75
9	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.	4.1	74
10	Design and properties of functional zwitterions derived from ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 10978-10991.	1.3	71
11	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, 14454-14460.	1.3	59
12	Chiral Stability of Phosphonium-type Amino Acid Ionic Liquids. <i>Chemistry Letters</i> , 2006, 35, 1252-1253.	0.7	50
13	Dual stimuli-responsive phase transition of an ionic liquid/water mixture. <i>Chemical Communications</i> , 2011, 47, 4772.	2.2	48
14	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, 93-95.	2.2	37
15	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, 15450-15452.	2.2	35
16	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.	2.2	34
17	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, 1130-1134.	2.0	34
18	Addition of suitably-designed zwitterions improves the saturated water content of hydrophobic ionic liquids. <i>Chemical Communications</i> , 2012, 48, 11220.	2.2	32

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19	Ionic liquids showing phase separation with water prepared by mixing hydrophilic and polar amino acid ionic liquids. <i>Chemical Communications</i> , 2013, 49, 8988.	2.2	31
20	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, 1150-1154.	2.0	30
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, 18350-18361.	1.8	27
22	Reversible water uptake/release by thermoresponsive polyelectrolyte hydrogels derived from ionic liquids. <i>Chemical Communications</i> , 2015, 51, 9287-9290.	2.2	27
23	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.	1.2	26
24	A thermoresponsive poly(ionic liquid) membrane enables concentration of proteins from aqueous media. <i>Chemical Communications</i> , 2016, 52, 7497-7500.	2.2	25
25	A Fine Tuning of LCST-type Phase Transition of Poly(ionic liquid)s in Water. <i>Chemistry Letters</i> , 2015, 44, 238-240.	0.7	24
26	A cobalt(ii) bis(salicylate)-based ionic liquid that shows thermoresponsive and selective water coordination. <i>Chemical Communications</i> , 2014, 50, 6633.	2.2	22
27	Temperature-Driven and Reversible Assembly of Homopolyelectrolytes Derived from Suitably Designed Ionic Liquids in Water. <i>Australian Journal of Chemistry</i> , 2013, 66, 1393.	0.5	21
28	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, 5740-5743.	7.2	20
29	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.	0.5	18
30	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.	0.5	16
31	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.	1.4	15
32	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	14
33	Renaturation of Cytochrome <i>c</i> Dissolved in Polar Phosphonate-type Ionic Liquids Using Highly Polar Zwitterions. <i>Chemistry Letters</i> , 2017, 46, 870-872.	0.7	14
34	Zwitterion/Brønsted Acid Mixtures Showing Controlled Lower Critical Solution Temperature-type Phase Changes with Water. <i>Chemistry - A European Journal</i> , 2016, 22, 12262-12265.	1.7	11
35	Design of thermoresponsive poly(ionic liquid) gels containing proline units to catalyse aldol reaction in water. <i>Polymer</i> , 2018, 134, 20-23.	1.8	10
36	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.	1.8	7

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37	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.	1.9	5
38	Ionic liquid-derived polyelectrolyte promoting the biphasic condensation of immiscible reactants at moderate temperature. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 2014-2017.	1.9	1
39	Frontispiece: Zwitterion/Bronsted Acid Mixtures Showing Controlled Lower Critical Solution Temperature-Type Phase Changes with Water. <i>Chemistry - A European Journal</i> , 2016, 22, .	1.7	0