

Takeshi Ueki

List of Publications by Citations

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77
papers

3,284
citations

34
h-index

56
g-index

81
ext. papers

3,637
ext. citations

6.1
avg, IF

5.64
L-index

#	Paper	IF	Citations
77	Macromolecules in Ionic Liquids: Progress, Challenges, and Opportunities. <i>Macromolecules</i> , 2008 , 41, 3739-3749	5.5	512
76	Lower critical solution temperature behavior of linear polymers in ionic liquids and the corresponding volume phase transition of polymer gels. <i>Langmuir</i> , 2007 , 23, 988-90	4	144
75	Upper Critical Solution Temperature Behavior of Poly(N-isopropylacrylamide) in an Ionic Liquid and Preparation of Thermo-sensitive Nonvolatile Gels. <i>Chemistry Letters</i> , 2006 , 35, 964-965	1.7	128
74	Polymers in Ionic Liquids: Dawn of Neoteric Solvents and Innovative Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2012 , 85, 33-50	5.1	121
73	High-performance ion gel with tetra-PEG network. <i>Soft Matter</i> , 2012 , 8, 1756-1759	3.6	109
72	Heterogeneous slow dynamics of imidazolium-based ionic liquids studied by neutron spin echo. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 2773-81	3.4	108
71	Mechanically Tunable, Readily Processable Ion Gels by Self-Assembly of Block Copolymers in Ionic Liquids. <i>Accounts of Chemical Research</i> , 2016 , 19, 2107-2114	24.3	105
70	Evolution of self-oscillating polymer gels as autonomous polymer systems. <i>NPG Asia Materials</i> , 2014 , 6, e107-e107	10.3	91
69	LCST-type liquid-liquid phase separation behaviour of poly(ethylene oxide) derivatives in an ionic liquid. <i>Chemical Communications</i> , 2008 , 4939-41	5.8	91
68	Doubly Thermosensitive Self-Assembly of Diblock Copolymers in Ionic Liquids. <i>Macromolecules</i> , 2009 , 42, 1315-1320	5.5	81
67	Self-beating artificial cells: design of cross-linked polymersomes showing self-oscillating motion. <i>Advanced Materials</i> , 2015 , 27, 837-42	24	77
66	UCST Phase Transition of Azobenzene-Containing Random Copolymer in an Ionic Liquid. <i>Macromolecules</i> , 2011 , 44, 6908-6914	5.5	69
65	Structural effects of polyethers and ionic liquids in their binary mixtures on lower critical solution temperature liquid-liquid phase separation. <i>Polymer Journal</i> , 2011 , 43, 242-248	2.7	68
64	Light-Controlled Reversible Micellization of a Diblock Copolymer in an Ionic Liquid. <i>Macromolecules</i> , 2012 , 45, 7566-7573	5.5	67
63	Lower critical solution temperature phase behavior of linear polymers in imidazolium-based ionic liquids: effects of structural modifications. <i>Langmuir</i> , 2009 , 25, 3820-4	4	66
62	Difference in lower critical solution temperature behavior between random copolymers and a homopolymer having solvatophilic and solvophobic structures in an ionic liquid. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4750-4	3.4	65
61	Self-oscillating micelles. <i>Chemical Communications</i> , 2013 , 49, 6947-9	5.8	60

60	Photoreversible gelation of a triblock copolymer in an ionic liquid. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3018-22	16.4	58
59	Thermoreversible high-temperature gelation of an ionic liquid with poly(benzyl methacrylate-b-methyl methacrylate-b-benzyl methacrylate) triblock copolymer. <i>Soft Matter</i> , 2012 , 8, 8067	3.6	54
58	Thermally Reversible Ion Gels with Photohealing Properties Based on Triblock Copolymer Self-Assembly. <i>Macromolecules</i> , 2015 , 48, 5928-5933	5.5	52
57	Self-oscillating vesicles: spontaneous cyclic structural changes of synthetic diblock copolymers. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11248-52	16.4	52
56	Stimuli-responsive polymers in ionic liquids. <i>Polymer Journal</i> , 2014 , 46, 646-655	2.7	50
55	Evolved Colloidosomes Undergoing Cell-like Autonomous Shape Oscillations with Buckling. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5179-83	16.4	49
54	Thermosensitive, soft glassy and structural colored colloidal array in ionic liquid: colloidal glass to gel transition. <i>Langmuir</i> , 2010 , 26, 18031-8	4	48
53	Structural aspects of the LCST phase behavior of poly(benzyl methacrylate) in room-temperature ionic liquid. <i>Polymer</i> , 2011 , 52, 1589-1595	3.9	48
52	Photoisomerization-induced tunable LCST phase separation of azobenzene-containing polymers in an ionic liquid. <i>Langmuir</i> , 2009 , 25, 8845-8	4	47
51	Thermodynamic study on phase transitions of poly(benzyl methacrylate) in ionic liquid solvents. <i>Pure and Applied Chemistry</i> , 2009 , 81, 1829-1841	2.1	46
50	Modulation of Mesenchymal Stem Cells Mechanosensing at Fluid Interfaces by Tailored Self-Assembled Protein Monolayers. <i>Small</i> , 2019 , 15, e1804640	11	44
49	Autonomous viscosity oscillation via metallo-supramolecular terpyridine chemistry of branched poly(ethylene glycol) driven by the Belousov-Zhabotinsky reaction. <i>Soft Matter</i> , 2014 , 10, 1349-55	3.6	42
48	Thermosensitive Self-Assembly of Diblock Copolymers with Lower Critical Micellization Temperatures in an Ionic Liquid. <i>Macromolecules</i> , 2009 , 42, 6239-6244	5.5	42
47	Amoeba-like self-oscillating polymeric fluids with autonomous sol-gel transition. <i>Nature Communications</i> , 2017 , 8, 15862	17.4	41
46	Photo-Dimerization Induced Dynamic Viscoelastic Changes in ABA Triblock Copolymer-Based Hydrogels for 3D Cell Culture. <i>Chemistry of Materials</i> , 2016 , 28, 6401-6408	9.6	40
45	Hierarchical Sol-Gel Transition Induced by Thermosensitive Self-Assembly of an ABC Triblock Polymer in an Ionic Liquid. <i>Macromolecules</i> , 2016 , 49, 1414-1423	5.5	40
44	Structural Analysis of High Performance Ion-Gel Comprising Tetra-PEG Network. <i>Macromolecules</i> , 2012 , 45, 3902-3909	5.5	35
43	Belousov-Zhabotinsky reaction in protic ionic liquids. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11991-4	16.4	34

42	Recent aspects of self-oscillating polymeric materials: designing self-oscillating polymers coupled with supramolecular chemistry and ionic liquid science. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 10388-97	3.6	32
41	Structural Study on the UCST-Type Phase Separation of Poly(N-isopropylacrylamide) in Ionic Liquid. <i>Macromolecules</i> , 2013 , 46, 1101-1106	5.5	27
40	Specific solvation of benzyl methacrylate in 1-ethyl-3-methylimidazolium bis(trifluoromethanesulfonyl)amide ionic liquid. <i>Analytical Sciences</i> , 2013 , 29, 311-4	1.7	24
39	Electrical communication between glucose oxidase and electrodes mediated by phenothiazine-labeled poly(ethylene oxide) bonded to lysine residues on the enzyme surface. <i>Analytical Chemistry</i> , 2003 , 75, 910-7	7.8	24
38	Block copolymer self-assembly in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 25123-25139	3.6	22
37	Microscopic insights into ion gel dynamics using neutron spectroscopy. <i>Soft Matter</i> , 2012 , 8, 7888	3.6	22
36	Thermoreversible nanogel shuttle between ionic liquid and aqueous phases. <i>Langmuir</i> , 2013 , 29, 13661-4	3.3	22
35	Multiblock copolymers exhibiting spatio-temporal structure with autonomous viscosity oscillation. <i>Scientific Reports</i> , 2015 , 5, 15792	4.9	21
34	Self-oscillating AB diblock copolymer developed by post modification strategy. <i>Chaos</i> , 2015 , 25, 064605	3.3	20
33	Fast electron transfer between glucose oxidase and electrodes via phenothiazine mediators with poly(ethylene oxide) spacers attached to the enzyme surface. <i>Electrochemistry Communications</i> , 2001 , 3, 649-653	5.1	20
32	Tuning of Sol-Gel Transition Temperatures for Thermoreversible Ion Gels. <i>Chemistry Letters</i> , 2014 , 43, 204-206	1.7	19
31	Precisely Tunable Sol-Gel Transition Temperature by Blending Thermoresponsive ABC Triblock Terpolymers. <i>ACS Macro Letters</i> , 2018 , 7, 950-955	6.6	17
30	Unlocking of interlocked heteropolymer gel by light: photoinduced volume phase transition in an ionic liquid from a metastable state to an equilibrium phase. <i>Chemical Communications</i> , 2012 , 48, 5133-5	5.8	16
29	Microscopic Structure of Solvated Poly(benzyl methacrylate) in an Imidazolium-Based Ionic Liquid: High-Energy X-ray Total Scattering and All-Atom MD Simulation Study. <i>Macromolecules</i> , 2017 , 50, 4780-4786	5.5	15
28	Autonomous unimer-vesicle oscillation by totally synthetic diblock copolymers: effect of block length and polymer concentration on spatio-temporal structures. <i>Soft Matter</i> , 2017 , 13, 4559-4568	3.6	14
27	Photocurable ABA triblock copolymer-based ion gels utilizing photodimerization of coumarin.. <i>RSC Advances</i> , 2018 , 8, 3418-3422	3.7	13
26	Neutron scattering studies on short- and long-range layer structures and related dynamics in imidazolium-based ionic liquids. <i>Journal of Chemical Physics</i> , 2018 , 149, 054502	3.9	13
25	SANS study on the solvated structure and molecular interactions of a thermo-responsive polymer in a room temperature ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 17881-9	3.6	12

24	Self-Oscillating Vesicles: Spontaneous Cyclic Structural Changes of Synthetic Diblock Copolymers. <i>Angewandte Chemie</i> , 2014 , 126, 11430-11434	3.6	12
23	Comparison of Catalytic Electrochemistry of Glucose Oxidase between Covalently Modified and Freely Diffusing Phenothiazine-Labeled Poly(ethylene oxide) Mediator Systems. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8834-8839	3.4	12
22	Direct visualization of swollen microgels by scanning electron microscopy using ionic liquids. <i>Polymer Journal</i> , 2016 , 48, 273-279	2.7	11
21	Heat capacities and glass transitions of ion gels. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 10935-40	3.4	11
20	Photoreversible Gelation of a Triblock Copolymer in an Ionic Liquid. <i>Angewandte Chemie</i> , 2015 , 127, 3061-3065	10	10
19	Evolved Colloidosomes Undergoing Cell-like Autonomous Shape Oscillations with Buckling. <i>Angewandte Chemie</i> , 2016 , 128, 5265-5269	3.6	10
18	Protic Ionic Liquids for the Belousov-Zhabotinsky Reaction: Aspects of the BZ Reaction in Protic Ionic Liquids and Its Use for the Autonomous Coil-Globule Oscillation of a Linear Polymer. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 4592-4599	3.4	9
17	Thermosensitive Phase Separation Behavior of Poly(benzyl methacrylate)/Solvate Ionic Liquid Solutions. <i>Langmuir</i> , 2017 , 33, 14105-14114	4	9
16	Chemomechanical Motion of a Self-Oscillating Gel in a Protic Ionic Liquid. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16693-16697	16.4	9
15	Self-Assembly of Thermoreversible Hydrogels via Molecular Recognition toward a Spatially Organized Coculture System. <i>Biomacromolecules</i> , 2017 , 18, 281-287	6.9	8
14	Macroscopic Adhesion of Thermoreversible ABC Triblock Copolymer-Based Hydrogels Via Boronic Acid-Sugar Complexation. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1700835	4.8	8
13	Electron transfer reactions of glucose oxidase at Au111 electrodes modified with phenothiazine derivatives. <i>Analytical Chemistry</i> , 2005 , 77, 4142-7	7.8	7
12	Pressure Response of a Thermoresponsive Polymer in an Ionic Liquid. <i>Macromolecules</i> , 2016 , 49, 8249-8253	5.3	5
11	Fabrication of Self-Oscillating Micelles with a Built-In Oxidizing Agent. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3871-3875	16.4	5
10	Effect of substrate concentrations on the aggregation behavior and dynamic oscillatory properties of self-oscillating block copolymers. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 20627-20634	3.6	4
9	Belousov-Zhabotinsky Reaction in Protic Ionic Liquids. <i>Angewandte Chemie</i> , 2012 , 124, 12157-12160	3.6	4
8	Effect of a modification site on the electron-transfer reaction of glucose oxidase hybrids modified with phenothiazine via a poly(ethylene oxide) spacer. <i>Langmuir</i> , 2004 , 20, 9177-83	4	4
7	Electron Transfer Reaction of Glucose Oxidase Hybrids Modified with Phenothiazine via Poly(ethylene oxide) Spacer on Acidic Amino Acid Residues. <i>Chemistry Letters</i> , 2002 , 31, 256-257	1.7	4

6	Design of azobenzene-bearing hydrogel with photoswitchable mechanics driven by photo-induced phase transition for in vitro disease modeling. <i>Acta Biomaterialia</i> , 2021 , 132, 103-113	10.8	4
5	Solvation Structure of Poly(benzyl methacrylate) in a Solvate Ionic Liquid: Preferential Solvation of Li-Glyme Complex Cation. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4098-4107	3.4	1
4	Spin glass behavior and magnetic boson peak in a structural glass of a magnetic ionic liquid. <i>Scientific Reports</i> , 2021 , 11, 12098	4.9	0
3	Fabrication of Self-Oscillating Micelles with a Built-In Oxidizing Agent. <i>Angewandte Chemie</i> , 2020 , 132, 3899-3903	3.6	
2	Titelbild: Evolved Colloidosomes Undergoing Cell-like Autonomous Shape Oscillations with Buckling (Angew. Chem. 17/2016). <i>Angewandte Chemie</i> , 2016 , 128, 5183-5183	3.6	
1	Chemomechanical Motion of a Self-Oscillating Gel in a Protic Ionic Liquid. <i>Angewandte Chemie</i> , 2018 , 130, 16935-16939	3.6	