Takeshi Ueki

List of Publications by Year in Descending Order

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	Spin glass behavior and magnetic boson peak in a structural glass of a magnetic ionic liquid. *Scientific Reports*, **2021**, 11, 12098	4.9	0
76	Design of azobenzene-bearing hydrogel with photoswitchable mechanics driven by photo-induced phase transition for in vitro disease modeling. *Acta Biomaterialia*, **2021**, 132, 103-113	10.8	4
75	Fabrication of Self-Oscillating Micelles with a Built-In Oxidizing Agent. *Angewandte Chemie*, **2020**, 132, 3899-3903	3.6	
74	Fabrication of Self-Oscillating Micelles with a Built-In Oxidizing Agent. *Angewandte Chemie - International Edition*, **2020**, 59, 3871-3875	16.4	5
73	Solvation Structure of Poly(benzyl methacrylate) in a Solvate Ionic Liquid: Preferential Solvation of Li-Glyme Complex Cation. *Journal of Physical Chemistry B*, **2019**, 123, 4098-4107	3.4	1
72	Modulation of Mesenchymal Stem Cells Mechanosensing at Fluid Interfaces by Tailored Self-Assembled Protein Monolayers. *Small*, **2019**, 15, e1804640	11	44
71	Macroscopic Adhesion of Thermoreversible ABC Triblock Copolymer-Based Hydrogels Via Boronic Acid-Sugar Complexation. *Macromolecular Rapid Communications*, **2018**, 39, e1700835	4.8	8
70	Photocurable ABA triblock copolymer-based ion gels utilizing photodimerization of coumarin.. *RSC Advances*, **2018**, 8, 3418-3422	3.7	13
69	Precisely Tunable Sol–Gel Transition Temperature by Blending Thermoresponsive ABC Triblock Terpolymers. *ACS Macro Letters*, **2018**, 7, 950-955	6.6	17
68	Block copolymer self-assembly in ionic liquids. *Physical Chemistry Chemical Physics*, **2018**, 20, 25123-25139	3.6	22
67	Chemomechanical Motion of a Self-Oscillating Gel in a Protic Ionic Liquid. *Angewandte Chemie*, **2018**, 130, 16935-16939	3.6	
66	Chemomechanical Motion of a Self-Oscillating Gel in a Protic Ionic Liquid. *Angewandte Chemie - International Edition*, **2018**, 57, 16693-16697	16.4	9
65	Neutron scattering studies on short- and long-range layer structures and related dynamics in imidazolium-based ionic liquids. *Journal of Chemical Physics*, **2018**, 149, 054502	3.9	13
64	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. *Journal of Physical Chemistry B*, **2017**, 121, 4592-4599	3.4	9
63	Autonomous unimer-vesicle oscillation by totally synthetic diblock copolymers: effect of block length and polymer concentration on spatio-temporal structures. *Soft Matter*, **2017**, 13, 4559-4568	3.6	14
62	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. *Macromolecules*, **2017**, 50, 4780-4786	5.5	15
61	Self-Assembly of Thermoreversible Hydrogels via Molecular Recognition toward a Spatially Organized Coculture System. *Biomacromolecules*, **2017**, 18, 281-287	6.9	8

60	Effect of substrate concentrations on the aggregation behavior and dynamic oscillatory properties of self-oscillating block copolymers. *Physical Chemistry Chemical Physics*, **2017**, 19, 20627-20634	3.6	4
59	Thermosensitive Phase Separation Behavior of Poly(benzyl methacrylate)/Solvate Ionic Liquid Solutions. *Langmuir*, **2017**, 33, 14105-14114	4	9
58	Amoeba-like self-oscillating polymeric fluids with autonomous sol-gel transition. *Nature Communications*, **2017**, 8, 15862	17.4	41
57	Photo-Dimerization Induced Dynamic Viscoelastic Changes in ABA Triblock Copolymer-Based Hydrogels for 3D Cell Culture. *Chemistry of Materials*, **2016**, 28, 6401-6408	9.6	40
56	Pressure Response of a Thermoresponsive Polymer in an Ionic Liquid. *Macromolecules*, **2016**, 49, 8249-8253	5.5	5
55	SANS study on the solvated structure and molecular interactions of a thermo-responsive polymer in a room temperature ionic liquid. *Physical Chemistry Chemical Physics*, **2016**, 18, 17881-9	3.6	12
54	Hierarchical Sol–Gel Transition Induced by Thermosensitive Self-Assembly of an ABC Triblock Polymer in an Ionic Liquid. *Macromolecules*, **2016**, 49, 1414-1423	5.5	40
53	Direct visualization of swollen microgels by scanning electron microscopy using ionic liquids. *Polymer Journal*, **2016**, 48, 273-279	2.7	11
52	Evolved Colloidosomes Undergoing Cell-like Autonomous Shape Oscillations with Buckling. *Angewandte Chemie*, **2016**, 128, 5265-5269	3.6	10
51	Evolved Colloidosomes Undergoing Cell-like Autonomous Shape Oscillations with Buckling. *Angewandte Chemie - International Edition*, **2016**, 55, 5179-83	16.4	49
50	Titelbild: Evolved Colloidosomes Undergoing Cell-like Autonomous Shape Oscillations with Buckling (Angew. Chem. 17/2016). *Angewandte Chemie*, **2016**, 128, 5183-5183	3.6	
49	Mechanically Tunable, Readily Processable Ion Gels by Self-Assembly of Block Copolymers in Ionic Liquids. *Accounts of Chemical Research*, **2016**, 19, 2107-2114	24.3	105
48	Thermally Reversible Ion Gels with Photohealing Properties Based on Triblock Copolymer Self-Assembly. *Macromolecules*, **2015**, 48, 5928-5933	5.5	52
47	Multiblock copolymers exhibiting spatio-temporal structure with autonomous viscosity oscillation. *Scientific Reports*, **2015**, 5, 15792	4.9	21
46	Self-oscillating AB diblock copolymer developed by post modification strategy. *Chaos*, **2015**, 25, 064605	3.3	20
45	Self-beating artificial cells: design of cross-linked polymersomes showing self-oscillating motion. *Advanced Materials*, **2015**, 27, 837-42	24	77
44	Photoreversible Gelation of a Triblock Copolymer in an Ionic Liquid. *Angewandte Chemie*, **2015**, 127, 3061-3065	3.6	10
43	Photoreversible gelation of a triblock copolymer in an ionic liquid. *Angewandte Chemie - International Edition*, **2015**, 54, 3018-22	16.4	58

42	Self-Oscillating Vesicles: Spontaneous Cyclic Structural Changes of Synthetic Diblock Copolymers. *Angewandte Chemie*, **2014**, 126, 11430-11434	3.6	12
41	Autonomous viscosity oscillation via metallo-supramolecular terpyridine chemistry of branched poly(ethylene glycol) driven by the Belousov-Zhabotinsky reaction. *Soft Matter*, **2014**, 10, 1349-55	3.6	42
40	Recent aspects of self-oscillating polymeric materials: designing self-oscillating polymers coupled with supramolecular chemistry and ionic liquid science. *Physical Chemistry Chemical Physics*, **2014**, 16, 10388-97	3.6	32
39	Stimuli-responsive polymers in ionic liquids. *Polymer Journal*, **2014**, 46, 646-655	2.7	50
38	Tuning of Sol–Gel Transition Temperatures for Thermoreversible Ion Gels. *Chemistry Letters*, **2014**, 43, 204-206	1.7	19
37	Evolution of self-oscillating polymer gels as autonomous polymer systems. *NPG Asia Materials*, **2014**, 6, e107-e107	10.3	91
36	Self-oscillating vesicles: spontaneous cyclic structural changes of synthetic diblock copolymers. *Angewandte Chemie - International Edition*, **2014**, 53, 11248-52	16.4	52
35	Heterogeneous slow dynamics of imidazolium-based ionic liquids studied by neutron spin echo. *Journal of Physical Chemistry B*, **2013**, 117, 2773-81	3.4	108
34	Self-oscillating micelles. *Chemical Communications*, **2013**, 49, 6947-9	5.8	60
33	Thermoreversible nanogel shuttle between ionic liquid and aqueous phases. *Langmuir*, **2013**, 29, 13661-5	4	22
32	Structural Study on the UCST-Type Phase Separation of Poly(N-isopropylacrylamide) in Ionic Liquid. *Macromolecules*, **2013**, 46, 1101-1106	5.5	27
31	Specific solvation of benzyl methacrylate in 1-ethyl-3-methylimidazolium bis(trifluoromethanesulfonyl)amide ionic liquid. *Analytical Sciences*, **2013**, 29, 311-4	1.7	24
30	Polymers in Ionic Liquids: Dawn of Neoteric Solvents and Innovative Materials. *Bulletin of the Chemical Society of Japan*, **2012**, 85, 33-50	5.1	121
29	Belousov–Zhabotinsky Reaction in Protic Ionic Liquids. *Angewandte Chemie*, **2012**, 124, 12157-12160	3.6	4
28	Belousov-Zhabotinsky reaction in protic ionic liquids. *Angewandte Chemie - International Edition*, **2012**, 51, 11991-4	16.4	34
27	Unlocking of interlocked heteropolymer gel by light: photoinduced volume phase transition in an ionic liquid from a metastable state to an equilibrium phase. *Chemical Communications*, **2012**, 48, 5133-5	5.8	16
26	Heat capacities and glass transitions of ion gels. *Journal of Physical Chemistry B*, **2012**, 116, 10935-40	3.4	11
25	Structural Analysis of High Performance Ion-Gel Comprising Tetra-PEG Network. *Macromolecules*, **2012**, 45, 3902-3909	5.5	35

24	Light-Controlled Reversible Micellization of a Diblock Copolymer in an Ionic Liquid. *Macromolecules*, **2012**, 45, 7566-7573	5.5	67
23	Thermoreversible high-temperature gelation of an ionic liquid with poly(benzyl methacrylate-b-methyl methacrylate-b-benzyl methacrylate) triblock copolymer. *Soft Matter*, **2012**, 8, 8067	3.6	54
22	Microscopic insights into ion gel dynamics using neutron spectroscopy. *Soft Matter*, **2012**, 8, 7888	3.6	22
21	High-performance ion gel with tetra-PEG network. *Soft Matter*, **2012**, 8, 1756-1759	3.6	109
20	Structural effects of polyethers and ionic liquids in their binary mixtures on lower critical solution temperature liquid-liquid phase separation. *Polymer Journal*, **2011**, 43, 242-248	2.7	68
19	UCST Phase Transition of Azobenzene-Containing Random Copolymer in an Ionic Liquid. *Macromolecules*, **2011**, 44, 6908-6914	5.5	69
18	Structural aspects of the LCST phase behavior of poly(benzyl methacrylate) in room-temperature ionic liquid. *Polymer*, **2011**, 52, 1589-1595	3.9	48
17	Thermosensitive, soft glassy and structural colored colloidal array in ionic liquid: colloidal glass to gel transition. *Langmuir*, **2010**, 26, 18031-8	4	48
16	Thermodynamic study on phase transitions of poly(benzyl methacrylate) in ionic liquid solvents. *Pure and Applied Chemistry*, **2009**, 81, 1829-1841	2.1	46
15	Thermosensitive Self-Assembly of Diblock Copolymers with Lower Critical Micellization Temperatures in an Ionic Liquid. *Macromolecules*, **2009**, 42, 6239-6244	5.5	42
14	Lower critical solution temperature phase behavior of linear polymers in imidazolium-based ionic liquids: effects of structural modifications. *Langmuir*, **2009**, 25, 3820-4	4	66
13	Doubly Thermosensitive Self-Assembly of Diblock Copolymers in Ionic Liquids. *Macromolecules*, **2009**, 42, 1315-1320	5.5	81
12	Photoisomerization-induced tunable LCST phase separation of azobenzene-containing polymers in an ionic liquid. *Langmuir*, **2009**, 25, 8845-8	4	47
11	Macromolecules in Ionic Liquids: Progress, Challenges, and Opportunities. *Macromolecules*, **2008**, 41, 3739-3749	5.5	512
10	LCST-type liquid-liquid phase separation behaviour of poly(ethylene oxide) derivatives in an ionic liquid. *Chemical Communications*, **2008**, 4939-41	5.8	91
9	Lower critical solution temperature behavior of linear polymers in ionic liquids and the corresponding volume phase transition of polymer gels. *Langmuir*, **2007**, 23, 988-90	4	144
8	Difference in lower critical solution temperature behavior between random copolymers and a homopolymer having solvatophilic and solvatophobic structures in an ionic liquid. *Journal of Physical Chemistry B*, **2007**, 111, 4750-4	3.4	65
7	Upper Critical Solution Temperature Behavior of Poly(N-isopropylacrylamide) in an Ionic Liquid and Preparation of Thermo-sensitive Nonvolatile Gels. *Chemistry Letters*, **2006**, 35, 964-965	1.7	128

6	Electron transfer reactions of glucose oxidase at Au111 electrodes modified with phenothiazine derivatives. *Analytical Chemistry*, **2005**, 77, 4142-7	7.8	7
5	Effect of a modification site on the electron-transfer reaction of glucose oxidase hybrids modified with phenothiazine via a poly(ethylene oxide) spacer. *Langmuir*, **2004**, 20, 9177-83	4	4
4	Comparison of Catalytic Electrochemistry of Glucose Oxidase between Covalently Modified and Freely Diffusing Phenothiazine-Labeled Poly(ethylene oxide) Mediator Systems. *Journal of Physical Chemistry B*, **2003**, 107, 8834-8839	3.4	12
3	Electrical communication between glucose oxidase and electrodes mediated by phenothiazine-labeled poly(ethylene oxide) bonded to lysine residues on the enzyme surface. *Analytical Chemistry*, **2003**, 75, 910-7	7.8	24
2	Electron Transfer Reaction of Glucose Oxidase Hybrids Modified with PhenothiazineviaPoly(ethylene oxide) Spacer on Acidic Amino Acid Residues. *Chemistry Letters*, **2002**, 31, 256-257	1.7	4
1	Fast electron transfer between glucose oxidase and electrodes via phenothiazine mediators with poly(ethylene oxide) spacers attached to the enzyme surface. *Electrochemistry Communications*, **2001**, 3, 649-653	5.1	20