Hisashi Kokubo

List of Publications by Year in Descending Order

70 papers	1,607 citations	22 h-index	38 g-index
73 ext. papers	1,793 ext. citations	4.3 avg, IF	4.56 L-index

#	Paper	IF	Citations
70	Direct Observation of Photo-Induced Reversible Sol-Gel Transition in Block Copolymer Self-Assembly Containing an Azobenzene Ionic Liquid. *Macromolecular Rapid Communications*, **2021**, 42, e2100091	4.8	0
69	Synthesis, mechanical properties, and ionic conductivity of rotaxane cross-linked polymers. *Polymer*, **2021**, 227, 123844	3.9	
68	Effect of network homogeneity on mechanical, thermal and electrochemical properties of solid polymer electrolytes prepared by homogeneous 4-arm poly(ethylene glycols). *Soft Matter*, **2020**, 16, 4290-4298	3.6	4
67	Microphase-separated structures of ion gels consisting of ABA-type block copolymers and an ionic liquid: A key to escape from the trade-off between mechanical and transport properties. *Polymer*, **2020**, 206, 122849	3.9	7
66	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
65	Cluster–Micelle Transition of a Thermo- and Photoresponsive ABC Triblock Copolymer in an Ionic Liquid. *Australian Journal of Chemistry*, **2019**, 72, 155	1.2	
64	Transport and Mechanical Properties of ABA-type Triblock Copolymer Ion Gels Correlated with Their Microstructures. *Macromolecules*, **2019**, 52, 8430-8439	5.5	12
63	Ion Gels for Ionic Polymer Actuators **2019**, 217-232		
62	Polymer electrolytes based on a homogeneous poly(ethylene glycol) network and their application to polymer actuators. *Electrochimica Acta*, **2019**, 298, 866-873	6.7	6
61	Viscoelastic change of block copolymer ion gels in a photo-switchable azobenzene ionic liquid triggered by light. *Chemical Communications*, **2019**, 55, 1710-1713	5.8	19
60	Photocurable ABA triblock copolymer-based ion gels utilizing photodimerization of coumarin.. *RSC Advances*, **2018**, 8, 3418-3422	3.7	13
59	Ionic polymer actuators using poly(ionic liquid) electrolytes. *European Polymer Journal*, **2018**, 106, 266-272	5.2	18
58	Polymer Electrolytes Containing Solvate Ionic Liquids: A New Approach To Achieve High Ionic Conductivity, Thermal Stability, and a Wide Potential Window. *Chemistry of Materials*, **2018**, 30, 252-261	9.6	42
57	Controlled Sol-Gel Transitions of a Thermoresponsive Polymer in a Photoswitchable Azobenzene Ionic Liquid as a Molecular Trigger. *Angewandte Chemie - International Edition*, **2018**, 57, 227-230	16.4	49
56	Controlled Sol–Gel Transitions of a Thermoresponsive Polymer in a Photoswitchable Azobenzene Ionic Liquid as a Molecular Trigger. *Angewandte Chemie*, **2018**, 130, 233-236	3.6	9
55	Photohealable ion gels based on the reversible dimerisation of anthracene. *Chemical Communications*, **2018**, 54, 13371-13374	5.8	15
54	Solid polymer electrolytes based on polystyrene-polyether block copolymers having branched ether structure. *Polymers for Advanced Technologies*, **2018**, 30, 736	3.2	2

53	Photo/thermoresponsive ABC triblock copolymer-based ion gels: photoinduced structural transitions. *Soft Matter*, **2018**, 14, 9088-9095	3.6	12
52	Tetra-PEG Network Containing Ionic Liquid Synthesized via Michael Addition Reaction and Its Application to Polymer Actuator. *Macromolecules*, **2017**, 50, 2906-2915	5.5	32
51	A Polymer Electrolyte Containing Solvate Ionic Liquid with Increased Mechanical Strength Formed by Self-assembly of ABA-type Ionomer Triblock Copolymer. *Electrochimica Acta*, **2017**, 235, 287-294	6.7	16
50	Physicochemical Characterization of a Photoinduced Sol□Gel Transition of an Azobenzene-Containing ABA Triblock Copolymer/Ionic Liquid System. *Macromolecules*, **2017**, 50, 6788-6795	5.5	11
49	Thermosensitive Phase Separation Behavior of Poly(benzyl methacrylate)/Solvate Ionic Liquid Solutions. *Langmuir*, **2017**, 33, 14105-14114	4	9
48	Micellization/Demicellization Self-Assembly Change of ABA Triblock Copolymers Induced by a Photoswitchable Ionic Liquid with a Small Molecular Trigger. *Macromolecules*, **2017**, 50, 5377-5384	5.5	11
47	From Macromolecular to Small-Molecular Triggers: Facile Method toward Photoinduced LCST Phase Behavior of Thermoresponsive Polymers in Mixed Ionic Liquids Containing an Azobenzene Moiety. *Macromolecular Rapid Communications*, **2016**, 37, 1960-1965	4.8	14
46	Self-Assembly of Polyether Diblock Copolymers in Water and Ionic Liquids. *Macromolecular Rapid Communications*, **2016**, 37, 1207-11	4.8	8
45	Temperature and light-induced self-assembly changes of a tetra-arm diblock copolymer in an ionic liquid. *Polymer Journal*, **2015**, 47, 739-746	2.7	8
44	Photo-healable ion gel with improved mechanical properties using a tetra-arm diblock copolymer containing azobenzene groups. *Polymer*, **2015**, 78, 42-50	3.9	25
43	Ion Gels for Ionic Polymer Actuators **2014**, 141-156		1
42	Alternating copolymer based on sulfonamide-substituted phenylmaleimide and vinyl monomers as polymer electrolyte membrane. *Journal of Polymer Science Part A*, **2013**, 51, 2233-2242	2.5	7
41	Printable polymer actuators from ionic liquid, soluble polyimide, and ubiquitous carbon materials. *ACS Applied Materials & Interfaces*, **2013**, 5, 6307-15	9.5	53
40	Thermoreversible nanogel shuttle between ionic liquid and aqueous phases. *Langmuir*, **2013**, 29, 13661-5	4	22
39	Effects of Carbon Electrode Materials on Performance of Ionic Polymer Actuators Having Electric Double-Layer Capacitor Structure. *Electrochemistry*, **2013**, 81, 849-852	1.2	11
38	Driving mechanisms of ionic polymer actuators having electric double layer capacitor structures. *Journal of Physical Chemistry B*, **2012**, 116, 5080-9	3.4	70
37	Polymer Actuators Using Ion-Gel Electrolytes Prepared by Self-Assembly of ABA-Triblock Copolymers. *Macromolecules*, **2012**, 45, 401-409	5.5	140
36	□Conjugated Polymers, (Th(R)□CH=CH□Th(R))n(Th(R) = 3-Alkylthiophene-2,5-diyl; R = Octyl, Decyl, and Dodecyl): Preparation of Dibromo Monomers and the Polymers. *Bulletin of the Chemical Society of Japan*, **2011**, 84, 1291-1293	5.1	1

35	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
34	Development of a Polymer Actuator Utilizing Ion-Gel as Electrolyte **2010**, 315-328		1
33	Development of a soft actuator using a photocurable ionic gel. *Journal of Micromechanics and Microengineering*, **2009**, 19, 035005	2	27
32	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
31	Two-photon excited states in charge-transfer type conjugated polymers. *Synthetic Metals*, **2009**, 159, 868-870	3.6	9
30	Photoisomerization-induced tunable LCST phase separation of azobenzene-containing polymers in an ionic liquid. *Langmuir*, **2009**, 25, 8845-8	4	47
29	LCST-type liquid-liquid phase separation behaviour of poly(ethylene oxide) derivatives in an ionic liquid. *Chemical Communications*, **2008**, 4939-41	5.8	91
28	Continuous control of third-order optical nonlinearity in charge-transfer-type conjugated polymers. *Applied Physics Letters*, **2008**, 92, 033309	3.4	13
27	Anionic polymerization of methyl methacrylate in an ionic liquid. *Polymers for Advanced Technologies*, **2008**, 19, 1441-1444	3.2	31
26	Effect of core-shell micelle formation on the redox properties of phenothiazine-labeled poly(ethyl glycidy ether)-block-poly(ethylene oxide). *Colloids and Surfaces B: Biointerfaces*, **2007**, 56, 255-9	6	6
25	Electron-nuclear double-resonance observation of spatial extent of polarons in polythiophene and poly(3-alkylthiophene). *Chemical Physics Letters*, **2007**, 435, 273-277	2.5	22
24	Synthesis of New Thiophene-Based Conjugated Polymers for Investigation of Molecular Alignment on the Surface of Platinum Plate. *Macromolecules*, **2006**, 39, 3959-3963	5.5	53
23	Specific Charge Transport in Ionic Liquids and Ion Gels and the Importance in Material Science. *Kobunshi Ronbunshu*, **2006**, 63, 31-40	0	6
22	Molecular Alignment of n-Alkanes and Head-to-Tail-Type Poly(3-Alkylthiophene) on Substrates: Study with Films Prepared by Casting and Vacuum Deposition. *Molecular Crystals and Liquid Crystals* , **2005**, 432, 83-100	0.5	10
21	Third-order nonlinear optical spectroscopy in charge-transfer type conjugated polymers. *Synthetic Metals*, **2005**, 153, 141-144	3.6	4
20	Synthesis of 3-Alkynyl-2,5-dibromothiophene and 3,3?-Dialkynyl-5,5?-dibromo-2,2?-bithiophene as the Starting Compounds for Conjugated Polymer. *Bulletin of the Chemical Society of Japan*, **2005**, 78, 1368-1370	5.1	3
19	Heteroaromatic and aromatic conjugated polymers synthesized by organometallic coupling preparation and selected electrochemical properties. *Electrochimica Acta*, **2005**, 50, 1453-1460	6.7	22
18	Third-order optical nonlinearity in regio-controlled polythiophene films. *Applied Physics Letters*, **2005**, 87, 121902	3.4	42

17	Electrochemical behavior of poly(3-hexylthiophene). Controlling factors of electric current in electrochemical oxidation of poly(3-hexylthiophene)s in a solution. *Polymer*, **2004**, 45, 1735-1738	3.9	11
16	Third-order optical nonlinearity in charge-transfer-type conjugated polymers. *Physical Review B*, **2004**, 70,	3.3	16
15	Alignment and Field-Effect Transistor Behavior of an Alternative Conjugated Copolymer of Thiophene and 4-Alkylthiazole. *Chemistry of Materials*, **2004**, 16, 4616-4618	9.6	87
14	Purification of Head-to-Tail-Type Regioregular Poly(3-hexylthiophene), HT-P3HexTh, and Investigation of the Effects of Polymer Purity on the Performance of Organic Field-Effect Transistors. *Japanese Journal of Applied Physics*, **2003**, 42, 6627-6628	1.4	7
13	Synthesis of a New Thiophene/Quinoxaline CT-Type Copolymer with High Solubility and Its Basic Optical Properties. *Macromolecular Rapid Communications*, **2003**, 24, 440-443	4.8	51
12	Comparison of the organometallic copolymerizations of thiophene with 4-alkylthiazole and 3-alkylthiophene: The control of regioregularity in the copolymerization with 4-alkylthiazole. *Journal of Polymer Science Part A*, **2003**, 41, 1449-1453	2.5	5
11	Copolymers of Thiophene and Thiazole. Regioregulation in Synthesis, Stacking Structure, and Optical Properties. *Macromolecules*, **2003**, 36, 7986-7993	5.5	117
10	Preparation of New Main-Chain Type Polyanthraquinones. Chemical Reactivity, Packing Structure, Piezochromism, Conductivity, and Liquid Crystalline and Photonic Properties of the Polymers. *Chemistry of Materials*, **2003**, 15, 4384-4393	9.6	46
9	Molecular Alignment of Neutral and p-Doped Head-to-Tail Type Poly(3-hexylthiophene-2,5-diyl) and n -Alkanes on the Surface of Substrates. *Molecular Crystals and Liquid Crystals*, **2002**, 381, 113-119	0.5	11
8	Molecular alignment of head-to-tail-type poly(3-hexylthiophene-2,5-diyl) and related polymers and compounds on substrates. *Journal of Polymer Science, Part B: Polymer Physics*, **2001**, 39, 1713-1718	2.6	36
7	Organometallic Syntheses of Head-to-Head Poly(3-hexylthiophene) and a Related Polymer With a Spacing Non-Substituted Thiophene Unit. Colloidal Solutions of the Polymers. *Macromolecular Chemistry and Physics*, **2001**, 202, 1031-1034	2.6	21
6	Electrochemical Deposition of Regioregular Head-to-Tail Poly(3-hexylthiophene-2,5-diyl) and Characterization of the Obtained Film. *Japanese Journal of Applied Physics*, **2001**, 40, L228-L230	1.4	4
5	Preparation, structure and conduction properties of SeCN-containing mixed anion TTF conductors. *Journal of Materials Chemistry*, **2001**, 11, 2192-2198		2
4	Selective stacking of HT-poly(3-n-alkylthiophene-2,5-diyl)s in mixed systems. *Journal of Polymer Science, Part B: Polymer Physics*, **2000**, 38, 84-87	2.6	7
3	Conjugated polymers prepared by organometallic polycondensation and metal complexes of the polymers. *Polymers for Advanced Technologies*, **2000**, 11, 658-664	3.2	9
2	Preparation and properties of mixed anion TTF conductors. *Synthetic Metals*, **1999**, 103, 2138-2139	3.6	1
1	Electrochemical Deposition of Films of p-Doped Regioregular Poly(3-hexylthiophene-2,5-diyl). *Chemistry Letters*, **1999**, 28, 1295-1296	1.7	7