Hiroyoshi Kawakami

List of Publications by Year
in descending order

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Version: 2024-02-01

72	1,028	394421	477307
papers	citations	19 h-index	29 g-index

72	72	72	1189
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solvated Ionicâ€Liquid Incorporated Soft Flexible Crossâ€Linked Network Polymer Electrolytes for Safer Lithium Ion Secondary Batteries. Macromolecular Chemistry and Physics, 2022, 223, 2100317.	2.2	8
2	Colloidal CdS Quantum Dot Fibers Prepared by Electrospinning of Their Wet Gel for Quantum Nanowires. ACS Applied Nano Materials, 2022, 5, 3756-3762.	5.0	1
3	Development of highly alkaline stable anion conductive polymers with fluorene backbone for water electrolysis. Polymers for Advanced Technologies, 2022, 33, 2863-2871.	3.2	2
4	Gas Adsorption and Diffusion Behaviors in Interfacial Systems Composed of a Polymer of Intrinsic Microporosity and Amorphous Silica: A Molecular Simulation Study. Langmuir, 2022, 38, 7567-7579.	3.5	4
5	Preparation of Mitochondriaâ€and Epigeneticsâ€Targeting Nanoparticles for Suppression of Cancer Metastasis. Particle and Particle Systems Characterization, 2021, 38, 2100003.	2.3	0
6	Fabrication and Electrolyte Characterizations of Nanofiber Framework-Based Polymer Composite Membranes with Continuous Proton Conductive Pathways. Membranes, 2021, 11, 90.	3.0	10
7	Effect of Phase Separation due to Solvent Evaporation on Particle Aggregation in the Skin Layer of the Gas Separation Membrane. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2021, 34, 449-456.	0.3	0
8	Fabrication and Characterizations of Polymer Electrolyte Composite Membranes Consisted of Polymer Nanofiber Framework Bearing Connected Proton Conductive Pathways. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2021, 34, 463-468.	0.3	2
9	The potential of lipid-polymer nanoparticles as epigenetic and ROS control approaches for COPD. Free Radical Research, 2020, 54, 829-840.	3.3	18
10	Fabrication and characterizations of soft and flexible Poly(dimethylsiloxane)-incorporated network polymer electrolyte membranes. Polymer, 2020, 186, 122045.	3.8	21
11	Secondary Battery Performance of Solid Polymer Electrolyte Membranes Based on Lithium Ion Conductive Polyimide Nanofibers. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2020, 33, 321-325.	0.3	6
12	Gas Permeable Mixed Matrix Membranes Composed of a Polymer of Intrinsic Microporosity (PIM-1) and Surface-modified Pearl-necklace Silica Nanoparticles: Effect of Expansion of Nano-space on Gas Permeability. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2020, 33, 313-320.	0.3	4
13	Plasmid DNA Mono-Ion Complex for in Vivo Sustainable Gene Expression. ACS Omega, 2019, 4, 11464-11471.	3.5	5
14	Superhigh CO₂-Permeable Mixed Matrix Membranes Composed of a Polymer of Intrinsic Microporosity (PIM-1) and Surface-Modified Silica Nanoparticles. ACS Applied Polymer Materials, 2019, 1, 2516-2524.	4.4	27
15	Catalytic antioxidants for therapeutic medicine. Journal of Materials Chemistry B, 2019, 7, 3165-3191.	5.8	11
16	Free-standing polydimethylsiloxane-based cross-linked network solid polymer electrolytes for future lithium ion battery applications. Electrochimica Acta, 2019, 307, 148-156.	5.2	35
17	Influence of Chemical Modification on CO₂ Permeability of Polymers of Intrinsic Microporosity / Silica Nanoparticles Composite Membranes. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 457-461.	0.3	2
18	Preparation of Biodegradable Polymer Nanospheres Containing Manganese Porphyrin (Mn-Porphyrin). Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1010-1018.	3.7	2

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19	Bifunctional poly(ethylene glycol) based crosslinked network polymers as electrolytes for allâ€solidâ€state lithium ion batteries. Polymer International, 2019, 68, 684-693.	3.1	32
20	Byproduct-Free Intact Modification of Insulin by Cholesterol End-Modified Poly(ethylene glycol) for in Vivo Protein Delivery. Bioconjugate Chemistry, 2018, 29, 67-73.	3.6	10
21	Gas Separation Membrane Composed of Polyimide and Surface-modified Nanoparticles: Influence of Surface-modification Structures on Gas Permeation Properties. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 593-598.	0.3	1
22	CO 2 separation of polymer membranes containing silica nanoparticles with gas permeable nano-space. Journal of Membrane Science, 2017, 536, 148-155.	8.2	57
23	Structure-activity relationship between Zn 2+ -chelated alkylated poly(1-vinylimidazole) and gene transfection. Journal of Inorganic Biochemistry, 2017, 173, 120-125.	3.5	7
24	Facile Method of Protein PEGylation by a Mono-Ion Complex. ACS Omega, 2017, 2, 2382-2386.	3.5	5
25	Anion conductive polymer nanofiber composite membrane: effects of nanofibers on polymer electrolyte characteristics. Polymer International, 2017, 66, 382-387.	3.1	12
26	Preparation of Novel All Solid Electrolyte Membranes Consisted of Ion Conductive Nanofiber Framework. Membrane, 2017, 42, 148-152.	0.0	0
27	Polymer Electrolyte Characteristics of Sulfonated Block-graft Polyimide Membranes: Influence of Block Ratio. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2016, 29, 259-263.	0.3	6
28	Fabrication and electrolyte characterization of uniaxially-aligned anion conductive polymer nanofibers. Nanoscale, 2016, 8, 19614-19619.	5.6	12
29	Design of epigenetics control carrier for simultaneous transfection of histone acetyltransferase with histone deacetylase inhibitor to continuous histone acetylation. Polymer Journal, 2016, 48, 561-564.	2.7	1
30	Preparation and Characterization of Phosphoric Acid-doped Blend Membrane Composed of Sulfonated Poly(arylene ether sulfone) and Polybenzimidazole for Fuel Cell Application. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 181-186.	0.3	6
31	Preparation and characterization of sulfonated block-graft copolyimide/sulfonated polybenzimidazole blend membranes for fuel cell application. Polymer International, 2015, 64, 1079-1085.	3.1	12
32	Screening for Methylated Poly(âŒŠ-histidine) with Various Dimethylimidazolium/Methylimidazole/Imidazole Contents as DNA Carrier. Pharmaceutics, 2015, 7, 224-232.	4.5	8
33	Plasmid DNA Mono-Ion Complex Stabilized by Hydrogen Bond for In Vivo Diffusive Gene Delivery. Biomacromolecules, 2015, 16, 1226-1231.	5.4	12
34	Tuning of the methylimidazolium/imidazole balance in polycations for gene carrier. Polymers for Advanced Technologies, 2014, 25, 823-826.	3.2	0
35	Core/shell-like structured ultrafine branched nanofibers created by electrospinning. Polymer Journal, 2014, 46, 792-799.	2.7	23
36	Synthesis of Water-Soluble Dinuclear Mn-Porphyrin with Multiple Antioxidative Activities. ACS Medicinal Chemistry Letters, 2014, 5, 639-643.	2.8	35

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37	Ultra-high proton conduction in electrospun sulfonated polyimide nanofibers. RSC Advances, 2014, 4, 20005-20009.	3.6	36
38	Carbon nanofibers prepared from electrospun polyimide, polysulfone and polyacrylonitrile nanofibers by ion-beam irradiation. Polymer Journal, 2013, 45, 1210-1215.	2.7	21
39	Preparation and proton conductivity of phosphoric acidâ€doped blend membranes composed of sulfonated block copolyimides and polybenzimidazole. Polymer International, 2013, 62, 703-708.	3.1	24
40	Synthesis of Carboxymethyl Poly(1-vinylimidazole) as a Polyampholyte for Biocompatibility. Chemistry Letters, 2013, 42, 358-360.	1.3	9
41	Ion-beam Irradiation on Electrospun Ladder-type Polyimide Nanofibers. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2013, 26, 313-318.	0.3	3
42	Phosphoric acid-doped sulfonated polyimide and polybenzimidazole blend membranes: high proton transport at wide temperatures under low humidity conditions due to new proton transport pathways. Journal of Materials Chemistry, 2012, 22, 23767.	6.7	60
43	Control of cell morphology on the polyimide surface patterned by rubbing and ionâ€irradiation. Polymers for Advanced Technologies, 2011, 22, 1311-1314.	3.2	3
44	Carbon Structure in Polyimide Membrane Formed by Ion Irradiation. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2010, 23, 507-510.	0.3	1
45	Structure and gas permeation properties of asymmetric polyimide membranes made by dryâ€“wet phase inversion: Influence of the polyimide molecular weight. Journal of Applied Polymer Science, 2010, 118, 105-112.	2.6	4
46	Fabrication of wellâ€aligned electrospun nanofibrous membrane based on fluorinated polyimide. Polymers for Advanced Technologies, 2010, 21, 861-866.	3.2	29
47	Preparation of ultrafine uniform electrospun polyimide nanofiber. Polymer Journal, 2010, 42, 514-518.	2.7	46
48	Hepatocyte spheroids formed on rubbed polyimide membrane for cell transplantation. Desalination and Water Treatment, 2010, 17, 227-232.	1.0	0
49	High Proton Conductive and Low Gas Permeable Sulfonated Graft Copolyimide Membrane. Macromolecules, 2010, 43, 7185-7191.	4.8	65
50	Design of lipoprotein-adsorbed liposomes retaining Mn-porphyrins for SOD mimic delivery to brains. Desalination and Water Treatment, 2010, 17, 31-36.	1.0	4
51	Gas transport properties of asymmetric polyimide membranes prepared by plasmaâ€based ion implantation. Polymers for Advanced Technologies, 2009, 20, 987-992.	3.2	9
52	Gas Transport Properties of Asymmetric Block Copolyimide Membranes. Polymer Journal, 2009, 41, 961-967.	2.7	9
53	Polymeric membrane materials for artificial organs. Journal of Artificial Organs, 2008, 11, 177-181.	0.9	32
54	Cell processing on polyimide surface patterned by rubbing. Polymers for Advanced Technologies, 2008, 19, 1002-1008.	3.2	9

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55	Cell Adhesion on Polyimide Surface Patterned by Ion-irradiation. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2008, 21, 137-141.	0.3	0
56	Cell Culture on Nano- or Micro-relief pattern Surface. Membrane, 2007, 32, 266-270.	0.0	0
57	pH-sensitive liposome retaining Fe-porphyrin as SOD mimic for novel anticancer drug delivery system. Polymers for Advanced Technologies, 2007, 18, 82-87.	3.2	12
58	Carboxymethyl poly(L-histidine) as a new pH-sensitive polypeptide at endosomal/lysosomal pH. Polymers for Advanced Technologies, 2007, 18, 329-333.	3.2	11
59	Proton-conductive membranes based on blends of polyimides. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1325-1332.	2.1	22
60	Structure and gas permeability of asymmetric polyimide membranes made by dryâ€“wet phase inversion: Influence of alcohol as casting solution. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2739-2746.	2.1	12
61	Poly(L-histidine) with several aminoethyl groups for a new pH-sensitive DNA carrier. Polymers for Advanced Technologies, 2005, 16, 567-570.	3.2	11
62	Preparation of novel organic-inorganic nanoporous membranes. Polymers for Advanced Technologies, 2005, 16, 698-701.	3.2	1
63	Preparation of novel sulfonated block copolyimides for proton conductivity membranes. Polymers for Advanced Technologies, 2005, 16, 753-757.	3.2	61
64	Neuronal attachment and outgrowth on a micropatterned fluorinated polyimide surface. Journal of Artificial Organs, 2004, 7, 83-90.	0.9	18
65	Design of a poly(L-histidine)-carbohydrate conjugate for a new pH-sensitive drug carrier. Polymers for Advanced Technologies, 2004, 15, 439-444.	3.2	10
66	Fabrication of three-dimensionally ordered microporous membrane by wet phase separation. Journal of Applied Polymer Science, 2004, 92, 3016-3021.	2.6	18
67	Development of a fluorinated polyimide hollow fiber for medical devices. Journal of Artificial Organs, 2003, 6, 124-129.	0.9	9
68	Biodegradation and Biocompatibility of Polyorganophosphazene. Artificial Organs, 2002, 26, 883-890.	1.9	10
69	Membrane formation mechanism and permeation properties of a novel porous polyimide membrane. Polymers for Advanced Technologies, 2002, 13, 370-380.	3.2	33
70	Evaluation of blood compatibility of fluorinated polyimide by immunolabeling assay. Journal of Artificial Organs, 2001, 4, 107-112.	0.9	14
71	Albumin adsorption to surface of annealed fluorinated polyimide. Polymers for Advanced Technologies, 2001, 12, 244-252.	3.2	22
72	Influence of Surface Skin Layer of Asymmetric Polyimide Membrane on Gas Permselectivity. ACS Symposium Series, 1999, , 79-86.	0.5	3