

Toshiyuki Kanamori

List of Publications by Year in descending order

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160
papers

4,079
citations

126708

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169
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169
times ranked

4562
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane properties of ether-type phosphatidylcholine bearing partially fluorinated C18-monoacetylenic chains and their applicability to membrane protein reconstitution matrices. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 198, 111459.	2.5	3
2	Coculture with hiPS-derived intestinal cells enhanced human hepatocyte functions in a pneumatic-pressure-driven two-organ microphysiological system. <i>Scientific Reports</i> , 2021, 11, 5437.	1.6	18
3	Modeling of differentiation pattern formation in human induced pluripotent stem cells mediated by BMP4 and its inhibitor noggin secreted from cells. <i>Biochemical Engineering Journal</i> , 2021, 176, 108159.	1.8	1
4	Kinetic analysis of sequential metabolism of triazolam and its extrapolation to humans using an entero-hepatic two-organ microphysiological system. <i>Lab on A Chip</i> , 2020, 20, 537-547.	3.1	25
5	Interstitial flow regulates in vitro three-dimensional self-organized brain micro-vessels. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 600-606.	1.0	14
6	Fabrication of Hollow Structures in Photodegradable Hydrogels Using a Multi-Photon Excitation Process for Blood Vessel Tissue Engineering. <i>Micromachines</i> , 2020, 11, 679.	1.4	6
7	Stepwise construction of dynamic microscale concentration gradients around hydrogel-encapsulated cells in a microfluidic perfusion culture device. <i>Royal Society Open Science</i> , 2020, 7, 200027.	1.1	2
8	Effect of the fluorination degree of partially fluorinated octyl-phosphocholine surfactants on their interfacial properties and interactions with purple membrane as a membrane protein model. <i>Chemistry and Physics of Lipids</i> , 2020, 227, 104870.	1.5	4
9	Aggregation behavior of short-chained archaeal phospholipid analogs: Contribution of methyl branches to lipid hydrophobicity and membrane formability. <i>Colloids and Interface Science Communications</i> , 2019, 32, 100200.	2.0	4
10	Photolithographic Fabrication of Semi 3-D Microstructures Composed of Flexible Hydrogel Sheet for <i>in Vivo</i> -like Cell Culture System. <i>ACS Applied Bio Materials</i> , 2019, 2, 4129-4133.	2.3	1
11	Fluorous Property of a Short Perfluoroalkyl-Containing Compound Realized by Self-Assembled Monolayer Technique on a Silicon Substrate. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 785-789.	2.0	12
12	Glass-based organ-on-a-chip device for restricting small molecular absorption. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 641-646.	1.1	37
13	Stability of the two-dimensional lattice of bacteriorhodopsin reconstituted in partially fluorinated phosphatidylcholine bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 631-642.	1.4	9
14	Raman Optical Activity on a Solid Sample: Identification of Atropisomers of Perfluoroalkyl Chains Having a Helical Conformation and No Chiral Center. <i>Journal of Physical Chemistry A</i> , 2019, 123, 3985-3991.	1.1	11
15	Spiropyran-Functionalized Hydrogels. , 2019, , 309-320.		1
16	High cell density suppresses BMP4-induced differentiation of human pluripotent stem cells to produce macroscopic spatial patterning in a unidirectional perfusion culture chamber. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 379-388.	1.1	5
17	Photoresponsive Aqueous Dissolution of Poly(<i>N</i> -Isopropylacrylamide) Functionalized with <i>o</i> -Nitrobenzaldehyde through Phase Transition. <i>Biomacromolecules</i> , 2018, 19, 2913-2922.	2.6	8
18	Photo- and Thermoresponsive Dehydration of Spiropyran-Functionalized Polymer Regulated by Molecular Recognition. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700234.	2.0	20

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19	Technical aspects of microphysiological systems (MPS) as a promising wet human-in-vivo simulator. <i>Drug Metabolism and Pharmacokinetics</i> , 2018, 33, 40-42.	1.1	18
20	A multi-throughput multi-organ-on-a-chip system on a plate formatted pneumatic pressure-driven medium circulation platform. <i>Lab on A Chip</i> , 2018, 18, 115-125.	3.1	119
21	Automated adherent cell elimination by a high-speed laser mediated by a light-responsive polymer. <i>Communications Biology</i> , 2018, 1, 218.	2.0	7
22	Imaging cell picker: A morphology-based automated cell separation system on a photodegradable hydrogel culture platform. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 653-660.	1.1	10
23	Fabrication of pocket-like hydrogel microstructures through photolithography. <i>Soft Matter</i> , 2018, 14, 5710-5714.	1.2	13
24	Compartmentalized microfluidic perfusion system to culture human induced pluripotent stem cell aggregates. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 234-241.	1.1	5
25	Sectioning of cultured cell monolayer using photo-acid-generating substrate and micro-patterned light projection. <i>European Polymer Journal</i> , 2017, 93, 733-742.	2.6	12
26	Study of Perfluoroalkyl Chain-Specific Band Shift in Infrared Spectra on the Chain Length. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8425-8431.	1.1	14
27	Morphology-based optical separation of subpopulations from a heterogeneous murine breast cancer cell line. <i>PLoS ONE</i> , 2017, 12, e0179372.	1.1	7
28	Application of Microfluidics in Stem Cell Culture. , 2016, , .		1
29	A pneumatic pressure-driven multi-throughput microfluidic circulation culture system. <i>Lab on A Chip</i> , 2016, 16, 2339-2348.	3.1	37
30	Dynamically controlled construction of microstructures based on photo-induced phase transition of a spirobenzopyran-modified polymer solution. <i>RSC Advances</i> , 2016, 6, 44212-44215.	1.7	4
31	Lateral Diffusion and Molecular Interaction in a Bilayer Membrane Consisting of Partially Fluorinated Phospholipids. <i>Langmuir</i> , 2016, 32, 10712-10718.	1.6	13
32	Surface properties of a single perfluoroalkyl group on water surfaces studied by surface potential measurements. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 353-359.	5.0	17
33	Hydrogel microfabrication technology toward three dimensional tissue engineering. <i>Regenerative Therapy</i> , 2016, 3, 45-57.	1.4	107
34	An Origin of Complicated Infrared Spectra of Perfluoroalkyl Compounds Involving a Normal Alkyl Group. <i>Chemistry Letters</i> , 2015, 44, 834-836.	0.7	16
35	Click-crosslinkable and photodegradable gelatin hydrogels for cytocompatible optical cell manipulation in natural environment. <i>Scientific Reports</i> , 2015, 5, 15060.	1.6	51
36	Micropatterned three-dimensional culture in click-crosslinkable and photodegradable gelatin hydrogels. , 2015, , .		1

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37	Light Dose-Dependent Thickness Control of Photoacid Generator-Bearing Hydrogel. Macromolecular Symposia, 2015, 358, 52-58.	0.4	3
38	Photoinduced cytotoxicity of a photochromic diarylethene via caspase cascade activation. Chemical Communications, 2015, 51, 10957-10960.	2.2	21
39	Micropatterning: Activated-Ester-Type Photocleavable Crosslinker for Preparation of Photodegradable Hydrogels Using a Two-Component Mixing Reaction (Adv. Healthcare Mater. 2/2015). Advanced Healthcare Materials, 2015, 4, 245-245.	3.9	1
40	Partially photodegradable hybrid hydrogels with elasticity tunable by light irradiation. Colloids and Surfaces B: Biointerfaces, 2015, 126, 575-579.	2.5	11
41	A diarylethene as the SO ₂ gas generator upon UV irradiation. Chemical Communications, 2015, 51, 1736-1738.	2.2	24
42	Activated-Ester-Type Photocleavable Crosslinker for Preparation of Photodegradable Hydrogels Using a Two-Component Mixing Reaction. Advanced Healthcare Materials, 2015, 4, 246-254.	3.9	29
43	Photofabrication Techniques for 3D Tissue Construct. , 2015, , 203-211.		0
44	Photo-manipulation of Cultured Cell Monolayer Using PAG Polymer Thin Layer. Membrane, 2015, 40, 130-136.	0.0	0
45	Plasma-Patterned Polydimethylsiloxane Surface With Single-Step Coating with a Mixture of Vitronectin and Albumin Enables the Formation of Small Discs and Spheroids of Human Induced Pluripotent Stem Cells. Plasma Medicine, 2014, 4, 165-176.	0.2	5
46	Effect of the fluorination degree of hydrophobic chains on the monolayer behavior of unsaturated diacylphosphatidylcholines bearing partially fluorinated 9-octadecynoyl (stearoloyl) groups at the air-water interface. Colloids and Surfaces B: Biointerfaces, 2014, 123, 246-253.	2.5	5
47	Microscale cell manipulation by using photodegradable hydrogel. , 2014, , .		0
48	Microfluidic perfusion culture of human induced pluripotent stem cells under fully defined culture conditions. Biotechnology and Bioengineering, 2014, 111, 937-947.	1.7	41
49	Stratified Dipole-Arrays Model Accounting for Bulk Properties Specific to Perfluoroalkyl Compounds. ChemPlusChem, 2014, 79, 1421-1425.	1.3	56
50	Control of adhesion of human induced pluripotent stem cells to plasma-patterned polydimethylsiloxane coated with vitronectin and I ³ -globulin. Journal of Bioscience and Bioengineering, 2014, 118, 315-322.	1.1	16
51	Swelling degree and shape change of photo- and thermo-response of spirobenzopyran-functionalized porous pNIPAAm hydrogels. Journal of Molecular Liquids, 2014, 189, 63-67.	2.3	14
52	Detachably assembled microfluidic device for perfusion culture and post-culture analysis of a spheroid array. Biotechnology Journal, 2014, 9, 971-979.	1.8	23
53	Inverting microwell array chip for the cultivation of human induced pluripotent stem cells with controlled aggregate size and geometrical arrangement. Biomicrofluidics, 2014, 8, 024112.	1.2	4
54	Dynamic PhotoChemical Lipid Micropatterning for Manipulation of Nonadherent Mammalian Cells. Methods in Cell Biology, 2014, 120, 131-144.	0.5	1

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55	Cell Patterning by Micro-Pattern Projection of UV Light Through Photoinduced Enhancement of Cell Adhesion (PIECA). <i>Methods in Cell Biology</i> , 2014, 120, 185-197.	0.5	5
56	Microfluidic perfusion culture chip providing different strengths of shear stress for analysis of vascular endothelial function. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 327-332.	1.1	41
57	Microcompartmentalized cell-free protein synthesis in semipermeable microcapsules composed of polyethylenimine-coated alginate. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 199-204.	1.1	8
58	Is microfluidic perfusion culture the future for large-scale screening of human-induced pluripotent stem cells?. <i>Pharmaceutical Bioprocessing</i> , 2014, 2, 303-305.	0.8	3
59	Optical cell separation from three-dimensional environment in photodegradable hydrogels for pure culture techniques. <i>Scientific Reports</i> , 2014, 4, 4793.	1.6	33
60	Microfluidic Perfusion Culture. <i>Methods in Molecular Biology</i> , 2014, 1104, 251-263.	0.4	6
61	Spiropyran-Functionalized Hydrogels. , 2014, , 219-229.		2
62	Pressure-Driven Microfluidic Device for Droplet Formation with Minimized Dead Volume. <i>Journal of Chemical Engineering of Japan</i> , 2014, 47, 841-847.	0.3	4
63	Effect of perfluoroalkyl chain length on monolayer behavior of partially fluorinated oleic acid molecules at the air-water interface. <i>Chemistry and Physics of Lipids</i> , 2013, 172-173, 31-39.	1.5	8
64	Physicochemical Studies of Bacteriorhodopsin Reconstituted in Partially Fluorinated Phosphatidylcholine Bilayers. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5422-5429.	1.2	24
65	Patterning of human induced pluripotent stem cells using patterned plasma treatment on a PDMS surface followed by composite protein adsorption. , 2013, , .		0
66	Non-ideal mixing of dimyristoylphosphatidylcholine with its partially fluorinated analogue in hydrated bilayers. <i>Chemical Physics Letters</i> , 2013, 559, 107-111.	1.2	13
67	Photo-induced reversible proton dissociation of spirobenzopyran in aqueous systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 261, 46-52.	2.0	16
68	Masked plasma oxidation: simple micropatterning of extracellular matrix in a closed microchamber array. <i>RSC Advances</i> , 2013, 3, 17749.	1.7	4
69	On-demand killing of adherent cells on photoacid-generating culture substrates. <i>Biotechnology and Bioengineering</i> , 2013, 110, 348-352.	1.7	23
70	Pressure-Driven Microfluidic Perfusion Culture Device for Integrated Dose-Response Assays. <i>Journal of the Association for Laboratory Automation</i> , 2013, 18, 437-445.	2.8	6
71	Effect of Partial Fluorination in the Myristoyl Groups on Thermal and Interfacial Properties of Dimyristoylphosphatidylcholine. <i>Chemistry Letters</i> , 2012, 41, 1495-1497.	0.7	14
72	Solute-removal enhancement caused by local convective flow in a hemodialyzer. <i>Journal of Artificial Organs</i> , 2012, 15, 305-310.	0.4	4

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91	Selective separation and co-culture of cells by photo-induced enhancement of cell adhesion (PIECA). <i>Biotechnology and Bioengineering</i> , 2009, 102, 1278-1282.	1.7	9
92	Stepwise assembly of micropatterned co-cultures using photoresponsive culture surfaces and its application to hepatic tissue arrays. <i>Biotechnology and Bioengineering</i> , 2009, 103, 552-561.	1.7	71
93	Thermoresponsive protein adsorption of poly(N-isopropylacrylamide)-modified streptavidin on polydimethylsiloxane microchannel surfaces. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1135-1140.	5.3	28
94	On-demand microfluidic control by micropatterned light irradiation of a photoresponsive hydrogel sheet. <i>Lab on A Chip</i> , 2009, 9, 196-198.	3.1	99
95	The measurement of small magnetic signals from magnetic nanoparticles attached to the cell surface and surrounding living cells using a general-purpose SQUID magnetometer. <i>Physics in Medicine and Biology</i> , 2009, 54, 2571-2583.	1.6	18
96	Generation of arbitrary monotonic concentration profiles by a serial dilution microfluidic network composed of microchannels with a high fluidic-resistance ratio. <i>Lab on A Chip</i> , 2009, 9, 1763.	3.1	59
97	Pressure-driven perfusion culture microchamber array for a parallel drug cytotoxicity assay. <i>Biotechnology and Bioengineering</i> , 2008, 100, 1156-1165.	1.7	88
98	Dynamic interaction between oppositely charged vesicles: Aggregation, lipid mixing, and disaggregation. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 611-614.	5.0	9
99	Synthesis and monolayer properties of double-chained phosphatidylcholines containing perfluoroalkyl groups of different length. <i>Journal of Fluorine Chemistry</i> , 2008, 129, 686-690.	0.9	13
100	Surface modification of polydimethylsiloxane with photo-grafted poly(ethylene glycol) for micropatterned protein adsorption and cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 63, 301-305.	2.5	85
101	Analysis of photo-induced hydration of a photochromic poly(N-isopropylacrylamide) Spiropyran copolymer thin layer by quartz crystal microbalance. <i>European Polymer Journal</i> , 2008, 44, 300-307.	2.6	25
102	Effective cell separation utilizing poly(N-isopropylacrylamide)-grafted polypropylene membrane containing adsorbed antibody. <i>Journal of Bioscience and Bioengineering</i> , 2008, 105, 221-225.	1.1	11
103	Highly Productive Droplet Formation by Anisotropic Elongation of a Thread Flow in a Microchannel. <i>Langmuir</i> , 2008, 24, 13809-13813.	1.6	18
104	Rewritable Microrelief Formation on Photoresponsive Hydrogel Layers. <i>Chemistry of Materials</i> , 2007, 19, 2730-2732.	3.2	96
105	Optimal design of cell culture chip on the basis of oxygen and glucose supply to cultivated cells in the chip. <i>Biochemical Engineering Journal</i> , 2007, 36, 304-309.	1.8	6
106	Manipulation of living cells by using PC-controlled micro-pattern projection system. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2356-2359.	5.3	21
107	Synthesis and characterization of partially fluorinated stearolic acid analogs: Effect of their fluorine content on the monolayer at the air-water interface. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 120-126.	0.9	14
108	Synthesis of phospholipids containing perfluorooctyl group and their interfacial properties. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 133-138.	0.9	17

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109	Photoresponsive polymer gel microvalves controlled by local light irradiation. <i>Sensors and Actuators A: Physical</i> , 2007, 140, 176-184.	2.0	136
110	Construction of a New Artificial Biomineralization System. <i>Biomacromolecules</i> , 2006, 7, 95-100.	2.6	36
111	Photoresponsive Properties of Poly(N-isopropylacrylamide) Hydrogel Partly Modified with Spirobenzopyran. <i>Langmuir</i> , 2006, 22, 4353-4356.	1.6	138
112	Photoresponse of an Aqueous Two-Phase System Composed of Photochromic Dextran. <i>Langmuir</i> , 2006, 22, 5224-5226.	1.6	32
113	Hemodialysis. <i>Membrane</i> , 2006, 31, 34-35.	0.0	0
114	Quantitative analysis of transport process of cerium(III) ion through polymer inclusion membrane containing N,N,N',N'-tetraoctyl-3-oxapentanediamide (TODGA) as carrier. <i>Journal of Membrane Science</i> , 2006, 280, 73-81.	4.1	23
115	Development of a photoresponsive cell culture surface: Regional enhancement of living-cell adhesion induced by local light irradiation. <i>Journal of Applied Polymer Science</i> , 2006, 100, 495-499.	1.3	25
116	Mineralization of hydroxyapatite on a polymer substrate in a solution supersaturated by polyelectrolyte. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1465-1470.	1.3	15
117	Modification of preparation method for polymer inclusion membrane (PIM) to produce hollow fiber PIM. <i>Journal of Applied Polymer Science</i> , 2006, 102, 4372-4377.	1.3	16
118	Synthesis of Noncyclic Carriers for Cerium Ion Transport through Polymer Inclusion Membrane. <i>Chemistry Letters</i> , 2005, 34, 1636-1637.	0.7	5
119	Pervaporative separation of organic mixtures using dinitrophenyl group-containing cellulose acetate membrane. <i>Journal of Membrane Science</i> , 2005, 253, 43-48.	4.1	19
120	Poly(N-isopropylacrylamide)-graft-polypropylene membranes containing adsorbed antibody for cell separation. <i>Biomaterials</i> , 2005, 26, 1287-1292.	5.7	53
121	Separation of cultured strawberry cells producing anthocyanins in aqueous two-phase system. <i>Journal of Bioscience and Bioengineering</i> , 2005, 100, 449-454.	1.1	26
122	Surface modification of poly(L-lactic acid) affects initial cell attachment, cell morphology, and cell growth. <i>Journal of Artificial Organs</i> , 2005, 7, 187-193.	0.4	81
123	In Situ Control of Cell Adhesion Using Photoresponsive Culture Surface. <i>Biomacromolecules</i> , 2005, 6, 970-974.	2.6	200
124	Development of a Novel Polyimide Hollow-fiber Oxygenator. <i>Artificial Organs</i> , 2004, 28, 487-495.	1.0	13
125	Preferential mineralization of CaCO ₃ layers on polymer surfaces from CaCl ₂ and water-soluble carbonate salt solutions supersaturated by poly(acrylic acid). <i>Journal of Applied Polymer Science</i> , 2004, 91, 3627-3634.	1.3	14
126	Preparation of porous poly(D,L-lactide) and poly(D,L-lactide-co-glycolide) membranes by a phase inversion process and investigation of their morphological changes as cell culture scaffolds. <i>Journal of Applied Polymer Science</i> , 2004, 92, 2082-2092.	1.3	25

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127	Highly fluorinated C18 fatty acids: synthesis and interfacial properties. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 1959-1964.	0.9	22
128	Surface orientation effect of asymmetric polyimide hollow fibers on their gas transport properties. <i>Journal of Membrane Science</i> , 2004, 230, 141-148.	4.1	16
129	Pervaporation of xylene isomer mixture through cyclodextrins containing polyacrylic acid membranes. <i>Journal of Membrane Science</i> , 2004, 231, 127-132.	4.1	53
130	Synthesis and characterization of an ultrathin polyion complex membrane containing β -cyclodextrin for separation of organic isomers. <i>Journal of Membrane Science</i> , 2004, 230, 171-174.	4.1	42
131	Development of polymer inclusion membranes based on cellulose triacetate: carrier-mediated transport of cerium(III). <i>Journal of Membrane Science</i> , 2004, 244, 251-257.	4.1	73
132	Optimal design of bio-hybrid systems with a hollow fiber scaffold: model analysis of oxygen diffusion/consumption. <i>Biochemical Engineering Journal</i> , 2004, 20, 127-136.	1.8	10
133	Characteristic Phase Transition of Aqueous Solution of Poly(N-isopropylacrylamide) Functionalized with Spirobenzopyran. <i>Macromolecules</i> , 2004, 37, 4949-4955.	2.2	157
134	Probing the Dielectric Environment Surrounding Poly(N-isopropylacrylamide) in Aqueous Solution with Covalently Attached Spirobenzopyran. <i>Langmuir</i> , 2004, 20, 9315-9319.	1.6	40
135	Reversible and Efficient Proton Dissociation of Spirobenzopyran-Functionalized Poly(N-isopropylacrylamide) in Aqueous Solution Triggered by Light Irradiation and Temporary Temperature Rise. <i>Macromolecules</i> , 2004, 37, 7854-7856.	2.2	57
136	Photoresponse gas permeability of azobenzene-functionalized glassy polymer films. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2068-2072.	1.3	22
137	Preparation of thermal-responsive poly(propylene) membranes grafted with n-isopropylacrylamide by plasma-induced polymerization and their water permeation. <i>Journal of Applied Polymer Science</i> , 2002, 84, 1168-1177.	1.3	55
138	Development of polyion complex membranes based on cellulose acetate modified by oxygen plasma treatment for pervaporation. <i>Journal of Membrane Science</i> , 2002, 208, 223-231.	4.1	33
139	Gas Separation of Asymmetric 6FDA Polyimide Membrane with Oriented Surface Skin Layer. <i>Macromolecules</i> , 2001, 34, 9039-9044.	2.2	52
140	Oscillations with a long periodical time observed in solute transport by diffusion combined with convection through a single hollow-fiber membrane. <i>Journal of Membrane Science</i> , 2001, 184, 287-292.	4.1	7
141	Gas transfer and blood compatibility of asymmetric polyimide hollow fiber. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001, 12, 533-542.	1.9	16
142	Preparation of asymmetric hollow-fiber membrane with ultrathin dense skin layer on the outer surface using dry/wet phase inversion process. <i>Macromolecular Symposia</i> , 2000, 160, 233-238.	0.4	0
143	Mass transfer of a solute by diffusion with convection around a single hollow-fiber membrane for hemodialysis. <i>Desalination</i> , 2000, 129, 217-225.	4.0	4
144	Separation of aromatic isomers on cyclophane-bonded stationary phases. <i>Journal of Chromatography A</i> , 2000, 877, 61-69.	1.8	6

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145	Difference in solute diffusivity in crosslinked collagen gels prepared under various conditions. <i>Materials Science and Engineering C</i> , 2000, 13, 85-89.	3.8	6
146	Fabrication of an asymmetric polyimide hollow fiber with a defect-free surface skin layer. <i>Journal of Membrane Science</i> , 2000, 171, 253-261.	4.1	58
147	Estimate of Gas Transfer Rates of an Intravascular Membrane Oxygenator. <i>ASAIO Journal</i> , 2000, 46, 612-619.	0.9	10
148	Vitrification phenomena in polysulfone/NMP/water system. <i>Journal of Applied Polymer Science</i> , 1999, 71, 431-438.	1.3	31
149	Preparation of a cyclophane-bonded stationary phase and its application to separation of naphthalene derivatives. <i>Journal of Chromatography A</i> , 1998, 803, 95-101.	1.8	5
150	Size of polymeric particles forming hemodialysis membranes determined from water and solute permeabilities. <i>Journal of Applied Polymer Science</i> , 1998, 67, 833-840.	1.3	3
151	Development of a Novel Polyimide Hollow Fiber for an Intravascular Oxygenator. <i>ASAIO Journal</i> , 1997, 43, M494.	0.9	17
152	Simple thermodynamics of macroscopic phase separation in shrinking gels. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 1537.	1.7	1
153	Crown Ether-Mediated Enantioselective Transport of Amino Acid across Plasticized Polymeric Membranes.. <i>Journal of Fiber Science and Technology</i> , 1996, 52, 105-109.	0.0	6
154	Mass Transfer of Antibiotics Adsorbed by Human Serum Albumin in Hemodialyzers. <i>Biotechnology Progress</i> , 1996, 12, 503-509.	1.3	2
155	Preferable structure of poly(ethylene glycol) for grafting onto a cellulosic membrane to increase hemocompatibility without reduction in solute permeability of the membrane. <i>Journal of Applied Polymer Science</i> , 1995, 55, 1601-1605.	1.3	12
156	Structural Analysis of Hemodialysis Membranes by Evaluating Distribution Volume of Water Contained in the Membranes. <i>Journal of Colloid and Interface Science</i> , 1995, 171, 361-365.	5.0	16
157	An improvement on the method of determining the solute permeability of hollow-fiber dialysis membranes photometrically using optical fibers and comparison of the method with ordinary techniques. <i>Journal of Membrane Science</i> , 1994, 88, 159-165.	4.1	27
158	In Vitro Evaluation of Platelet/Biomaterial Interactions in an Epifluorescent Video Microscopy Combined with a Parallel Plate Flow Cell. <i>Artificial Organs</i> , 1994, 18, 588-595.	1.0	24
159	Mass Transfer in Laminar Flows around Single Hollow-Fiber Membranes for Hemodialysis.. <i>Journal of Chemical Engineering of Japan</i> , 1994, 27, 830-832.	0.3	7
160	Photoresponsive Polymers: Cell Bioassay System Control. , 0, , 5984-6001.		0