

# Masaru Tanaka

## List of Publications by Citations

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181  
papers

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193  
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6,933  
ext. citations

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#	Paper	IF	Citations
181	Blood compatible aspects of poly(2-methoxyethylacrylate) (PMEA)--relationship between protein adsorption and platelet adhesion on PMEA surface. <i>Biomaterials</i> , <b>2000</b> , 21, 1471-81	15.6	409
180	Superhydrophobic and lipophobic properties of self-organized honeycomb and pincushion structures. <i>Langmuir</i> , <b>2005</b> , 21, 3235-7	4	359
179	Preparation of Honeycomb-Patterned Polyimide Films by Self-Organization. <i>Langmuir</i> , <b>2003</b> , 19, 6297-6300		228
178	Study of blood compatibility with poly(2-methoxyethyl acrylate). Relationship between water structure and platelet compatibility in poly(2-methoxyethylacrylate-co-2-hydroxyethylmethacrylate). <i>Biomacromolecules</i> , <b>2002</b> , 3, 36-41	6.9	216
177	Effect of water structure on blood compatibility--thermal analysis of water in poly(meth)acrylate. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 68, 684-95		166
176	The roles of water molecules at the biointerface of medical polymers. <i>Polymer Journal</i> , <b>2013</b> , 45, 701-710.	7	157
175	Fabrication of polymeric biomaterials: a strategy for tissue engineering and medical devices. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 8224-8249	7.3	149
174	Correlation between the structure of water in the vicinity of carboxybetaine polymers and their blood-compatibility. <i>Langmuir</i> , <b>2005</b> , 21, 11932-40	4	147
173	Time-resolved in situ ATR-IR observations of the process of sorption of water into a poly(2-methoxyethyl acrylate) film. <i>Langmuir</i> , <b>2007</b> , 23, 3750-61	4	144
172	Structure of water incorporated in sulfobetaine polymer films as studied by ATR-FTIR. <i>Macromolecular Bioscience</i> , <b>2005</b> , 5, 314-21	5.5	142
171	Designing Smart Biomaterials for Tissue Engineering. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 19,	6.3	140
170	Cold crystallization of water in hydrated poly(2-methoxyethyl acrylate) (PMEA). <i>Polymer International</i> , <b>2000</b> , 49, 1709-1713	3.3	136
169	Biodegradable honeycomb-patterned film composed of poly(lactic acid) and dioleoylphosphatidylethanolamine. <i>Biomaterials</i> , <b>2006</b> , 27, 1797-802	15.6	110
168	Decellularized Extracellular Matrix as an In Vitro Model to Study the Comprehensive Roles of the ECM in Stem Cell Differentiation. <i>Stem Cells International</i> , <b>2016</b> , 2016, 6397820	5	95
167	Structural Changes in Poly(2-methoxyethyl acrylate) Thin Films Induced by Absorption of Bisphenol A. An Infrared and Sum Frequency Generation (SFG) Study. <i>Macromolecules</i> , <b>2003</b> , 36, 5694-5703	5.5	89
166	Nonthrombogenic, stretchable, active multielectrode array for electroanatomical mapping. <i>Science Advances</i> , <b>2018</b> , 4, eaau2426	14.3	89
165	Design of biocompatible and biodegradable polymers based on intermediate water concept. <i>Polymer Journal</i> , <b>2015</b> , 47, 114-121	2.7	84

164	Effect of honeycomb-patterned surface topography on the adhesion and signal transduction of porcine aortic endothelial cells. <i>Langmuir</i> , <b>2007</b> , 23, 8114-20	4	84
163	In situ studies on protein adsorption onto a poly(2-methoxyethylacrylate) surface by a quartz crystal microbalance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2001</b> , 193, 145-152	5.1	84
162	Anti-biofouling properties of polymers with a carboxybetaine moiety. <i>Macromolecular Bioscience</i> , <b>2009</b> , 9, 63-70	5.5	80
161	Two-Dimensional DNA-Mimetic Molecular Organizations at the Air/Water Interface. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 2341-2342	16.4	78
160	Study on kinetics of early stage protein adsorption on poly(2-methoxyethylacrylate) (PMEA) surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2002</b> , 203, 195-204	5.1	75
159	Studies on bound water restrained by poly(2-methacryloyloxyethyl phosphorylcholine): Comparison with polysaccharide-water systems. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 2077-82	10.8	74
158	Effect of pore size of self-organized honeycomb-patterned polymer films on spreading, focal adhesion, proliferation, and function of endothelial cells. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 763-72	1.3	72
157	Mechanism underlying bioinertness of self-assembled monolayers of oligo(ethyleneglycol)-terminated alkanethiols on gold: protein adsorption, platelet adhesion, and surface forces. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 10196-206	3.6	69
156	Control of hepatocyte adhesion and function on self-organized honeycomb-patterned polymer film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 284-285, 464-469	5.1	66
155	Clarification of the blood compatibility mechanism by controlling the water structure at the blood-poly(meth)acrylate interface. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 1849-63	3.5	65
154	Structure of Water Sorbed into Poly(MEA-co-HEMA) Films As Examined by ATR-IR Spectroscopy. <i>Langmuir</i> , <b>2003</b> , 19, 429-435	4	65
153	The Relationship Between Water Structure and Blood Compatibility in Poly(2-methoxyethyl Acrylate) (PMEA) Analogues. <i>Macromolecular Bioscience</i> , <b>2015</b> , 15, 1296-303	5.5	61
152	Cold crystallization of poly(ethylene glycol)/water systems. <i>Thermochimica Acta</i> , <b>2007</b> , 465, 59-66	2.9	60
151	Fourier transform infrared study on the sorption of water to various kinds of polymer thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2001</b> , 39, 2175-2182	2.6	60
150	Honeycomb-like architecture produced by living bacteria, <i>Gluconacetobacter xylinus</i> . <i>Carbohydrate Polymers</i> , <b>2007</b> , 69, 1-6	10.3	57
149	Network structures and dynamics of dry and swollen poly(acrylate)s. Characterization of high- and low-frequency motions as revealed by suppressed or recovered intensities (SRI) analysis of <sup>13</sup> C NMR. <i>Polymer</i> , <b>2009</b> , 50, 6091-6099	3.9	53
148	The Structure of Water Sorbed to Polymethoxyethylacrylate Film as Examined by FTIR Spectroscopy. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 242, 133-140	9.3	52
147	Effect of honeycomb film on protein adsorption, cell adhesion and proliferation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 284-285, 548-551	5.1	51

146	Poly(Emethoxyalkyl acrylate)s: Nonthrombogenic Polymer Family with Tunable Protein Adsorption. <i>Biomacromolecules</i> , <b>2017</b> , 18, 4214-4223	6.9	49
145	Relationship between adsorbed fibronectin and cell adhesion on a honeycomb-patterned film. <i>Surface Science</i> , <b>2006</b> , 600, 3785-3791	1.8	49
144	Morphological changes in neurons by self-organized patterned films. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2005</b> , 3, 159-164	0.7	49
143	Platelet adhesion to human umbilical vein endothelial cells cultured on anionic hydrogel scaffolds. <i>Biomaterials</i> , <b>2007</b> , 28, 1752-60	15.6	48
142	Effect of pore size of honeycomb films on the morphology, adhesion and cytoskeletal organization of cardiac myocytes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 313-314, 530-535	5.1	47
141	Design of Polymeric Biomaterials: The Intermediate Water Concept. <i>Bulletin of the Chemical Society of Japan</i> , <b>2019</b> , 92, 2043-2057	5.1	46
140	Tuning of cell proliferation on tough gels by critical charge effect. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 88, 74-83	5.4	46
139	Effect of local chain dynamics on a bioinert interface. <i>Langmuir</i> , <b>2015</b> , 31, 3661-7	4	45
138	Design of novel 2D and 3D biointerfaces using self-organization to control cell behavior. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2011</b> , 1810, 251-8	4	45
137	Control of neural stem cell differentiation on honeycomb films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 313-314, 536-540	5.1	45
136	Small-diameter porous poly (epsilon-caprolactone) films enhance adhesion and growth of human cultured epidermal keratinocyte and dermal fibroblast cells. <i>Tissue Engineering</i> , <b>2007</b> , 13, 789-98		45
135	Water structure and blood compatibility of poly(tetrahydrofurfuryl acrylate). <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2009</b> , 20, 591-603	3.5	42
134	Prevention of postoperative adhesions by a novel honeycomb-patterned poly(lactide) film in a rat experimental model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2008</b> , 86, 353-9	3.5	42
133	Thermal properties of freezing bound water restrained by polysaccharides. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 1865-75	3.5	41
132	Characterization of the attachment mechanisms of tissue-derived cell lines to blood-compatible polymers. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 775-84	10.1	37
131	<sup>1</sup> H-NMR and <sup>13</sup> C-NMR study of the hydration behavior of poly(2-methoxyethyl acrylate), poly(2-hydroxyethyl methacrylate) and poly(tetrahydrofurfuryl acrylate) in relation to their blood compatibility as biomaterials. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 1911-24	3.5	35
130	Design of novel biointerfaces (II). Fabrication of self-organized porous polymer film with highly uniform pores. <i>Bio-Medical Materials and Engineering</i> , <b>2004</b> , 14, 439-46	1	35
129	Effect of interfacial structure on bioinert properties of poly(2-methoxyethyl acrylate)/poly(methyl methacrylate) blend films in water. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 17399-405	3.6	34

128	Comparative study on water structures in polyHEMA and polyMEA by XRD-DSC simultaneous measurement. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 111, 476-481	2.9	33
127	Comparison of measurement techniques for the identification of bound water restrained by polymers. <i>Thermochimica Acta</i> , <b>2012</b> , 532, 159-163	2.9	32
126	Decellularized matrices as in vitro models of extracellular matrix in tumor tissues at different malignant levels: Mechanism of 5-fluorouracil resistance in colorectal tumor cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 2749-2757	4.9	31
125	Production of mesoscopically patterned cellulose film. <i>Bioresource Technology</i> , <b>2005</b> , 96, 1955-8	11	31
124	Structure of water incorporated in amphoteric polymer thin films as revealed by FT-IR spectroscopy. <i>Macromolecular Bioscience</i> , <b>2008</b> , 8, 77-85	5.5	30
123	Long-Term Implantable, Flexible, and Transparent Neural Interface Based on Ag/Au Core-Shell Nanowires. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900130	10.1	29
122	Regioselective Ring-Opening Metathesis Polymerization of 3-Substituted Cyclooctenes with Ether Side Chains.. <i>Macromolecules</i> , <b>2016</b> , 49, 2493-2501	5.5	29
121	Breast cancer cell behaviors on staged tumorigenesis-mimicking matrices derived from tumor cells at various malignant stages. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 439, 291-6	3.4	29
120	Regulation of the Contribution of Integrin to Cell Attachment on Poly(2-Methoxyethyl Acrylate) (PMEA) Analogous Polymers for Attachment-Based Cell Enrichment. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136066	3.7	29
119	Surface segregation of poly(2-methoxyethyl acrylate) in a mixture with poly(methyl methacrylate). <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 4928-34	3.6	28
118	DNA monolayers complexed with amphiphilic intercalator at the air-water interface. <i>Thin Solid Films</i> , <b>1996</b> , 284-285, 780-783	2.2	28
117	Interfacial Structures and Fibrinogen Adsorption at Blood-Compatible Polymer/Water Interfaces. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 2122-2126	5.5	27
116	Study on blood compatibility with poly(2-methoxyethylacrylate)--relationship between surface structure, water structure, and platelet compatibility in 2-methoxyethylacrylate/2-hydroxyethylmethacrylate diblock copolymer. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 76, 540-50	5.4	27
115	PREPARATION OF THE HONEYCOMB PATTERNED POROUS FILM OF BIODEGRADABLE POLYMER FOR TISSUE ENGINEERING SCAFFOLDS. <i>International Journal of Nanoscience</i> , <b>2002</b> , 01, 689-693	0.6	26
114	Effect of honeycomb-patterned surface topography on the function of mesenteric adipocytes. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 1947-56	3.5	24
113	Evaluation of Factors To Determine Platelet Compatibility by Using Self-Assembled Monolayers with a Chemical Gradient. <i>Langmuir</i> , <b>2015</b> , 31, 7100-5	4	23
112	Blood-Compatible Polymer for Hepatocyte Culture with High Hepatocyte-Specific Functions toward Bioartificial Liver Development. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18096-103	9.5	23
111	Formation of hydroxyapatite on a self-organized 3D honeycomb-patterned biodegradable polymer film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 313-314, 515-519	5.1	23

110	Effect of sodium chloride on hydration structures of PMEA and P(MPC-r-BMA). <i>Langmuir</i> , <b>2014</b> , 30, 10698-703	2.2	22
109	Effect of honeycomb-patterned structure on chondrocyte behavior in vitro. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 313-314, 520-525	5.1	22
108	Direct observation of interaction between proteins and blood-compatible polymer surfaces. <i>Biointerphases</i> , <b>2007</b> , 2, 119-25	1.8	21
107	Topographical control of neurite extension on stripe-patterned polymer films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 284-285, 470-474	5.1	21
106	Quartz crystal microbalance and infrared reflection absorption spectroscopy characterization of bisphenol A absorption in the poly(acrylate) thin films. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 788-95	7.8	21
105	Synthesis and Thrombogenicity Evaluation of Poly(3-methoxypropionic acid vinyl ester): A Candidate for Blood-Compatible Polymers. <i>Biomacromolecules</i> , <b>2017</b> , 18, 1609-1616	6.9	20
104	Synthesis of Sequence-Specific Polymers with Amide Side Chains via Regio-/Stereoselective Ring-Opening Metathesis Polymerization of 3-Substituted cis-Cyclooctene. <i>Macromolecules</i> , <b>2016</b> , 49, 8154-8161	5.5	20
103	Stress Relaxation Measurement of Fibroblast Cells with Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 5552-5555	1.4	20
102	Promotion of Adipogenesis of 3T3-L1 Cells on Protein Adsorption-Suppressing Poly(2-methoxyethyl acrylate) Analogs. <i>Biomacromolecules</i> , <b>2016</b> , 17, 3808-3815	6.9	19
101	Blood-compatible poly(2-methoxyethyl acrylate) for the adhesion and proliferation of endothelial and smooth muscle cells. <i>Colloids and Surfaces B: Biointerphases</i> , <b>2016</b> , 145, 586-596	6	19
100	Role of interfacial water in determining the interactions of proteins and cells with hydrated materials. <i>Colloids and Surfaces B: Biointerphases</i> , <b>2021</b> , 198, 111449	6	19
99	Analysis of Interaction Between Interfacial Structure and Fibrinogen at Blood-Compatible Polymer/Water Interface. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 542	5	19
98	Monoether-Tagged Biodegradable Polycarbonate Preventing Platelet Adhesion and Demonstrating Vascular Cell Adhesion: A Promising Material for Resorbable Vascular Grafts and Stents. <i>Biomacromolecules</i> , <b>2017</b> , 18, 3834-3843	6.9	18
97	Microporous "honeycomb" films support enhanced bone formation in vitro. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 2087-96	3.9	18
96	Fabrication of Ordered Arrays of Biodegradable Polymer Pincushions Using Self-Organized Honeycomb-Patterned Films. <i>Macromolecular Symposia</i> , <b>2009</b> , 279, 175-182	0.8	18
95	Adhesion-based simple capture and recovery of circulating tumor cells using a blood-compatible and thermo-responsive polymer-coated substrate. <i>RSC Advances</i> , <b>2016</b> , 6, 89103-89112	3.7	18
94	Surface force and vibrational spectroscopic analyses of interfacial water molecules in the vicinity of methoxy-tri(ethylene glycol)-terminated monolayers: mechanisms underlying the effect of lateral packing density on bioinertness. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2017</b> , 28, 1231-1243	3.5	17
93	Dynamics of a bioinert polymer in hydrated states by dielectric relaxation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 1389-1394	3.6	17

92	Thermosensitive Polymer Biocompatibility Based on Interfacial Structure at Biointerface. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 1591-1597	5.5	17
91	Hydration structure of poly(2-methoxyethyl acrylate): comparison with a 2-methoxyethyl acetate model monomer. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 1925-35	3.5	17
90	Effect of the Molecular Weight of Poly(2-methoxyethyl acrylate) on Interfacial Structure and Blood Compatibility. <i>Langmuir</i> , <b>2019</b> , 35, 2808-2813	4	16
89	Controlling the Hydration Structure with a Small Amount of Fluorine To Produce Blood Compatible Fluorinated Poly(2-methoxyethyl acrylate). <i>Biomacromolecules</i> , <b>2019</b> , 20, 2265-2275	6.9	16
88	Multivariate curve resolution analysis on the multi-component water sorption process into a poly(2-methoxyethyl acrylate) film. <i>Applied Spectroscopy</i> , <b>2008</b> , 62, 46-50	3.1	16
87	Phase angle description of perturbation correlation analysis and its application to time-resolved infrared spectra. <i>Applied Spectroscopy</i> , <b>2007</b> , 61, 867-72	3.1	16
86	Evaluation of the hemocompatibility of hydrated biodegradable aliphatic carbonyl polymers with a subtle difference in the backbone structure based on the intermediate water concept and surface hydration. <i>Polymer Journal</i> , <b>2015</b> , 47, 469-473	2.7	15
85	Optimization of the tissue source, malignancy, and initial substrate of tumor cell-derived matrices to increase cancer cell chemoresistance against 5-fluorouracil. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 457, 353-7	3.4	15
84	Non-tumor mast cells cultured in vitro on a honeycomb-like structured film proliferate with multinucleated formation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 313-9	6	15
83	Synthesis of graft copolymers based on poly(2-methoxyethyl acrylate) and investigation of the associated water structure. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 319-25	4.8	14
82	Relationship between blood compatibility and water structure--comparative study between 2-methoxyethylacrylate- and 2-methoxyethylmethacrylate-based random copolymers. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 81, 710-9	5.4	14
81	Synthesis of antithrombotic poly(carbonate-urethane)s through a sequential process of ring-opening polymerization and polyaddition facilitated by organocatalysts. <i>European Polymer Journal</i> , <b>2017</b> , 95, 728-736	5.2	13
80	Enhanced Cell Survival and Yield of Rat Small Hepatocytes by Honeycomb-Patterned Films. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 1429-1434	1.4	13
79	Evaluation of initial cell adhesion on poly (2-methoxyethyl acrylate) (PMEA) analogous polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2017</b> , 28, 986-999	3.5	12
78	Analyses of equilibrium water content and blood compatibility for Poly(2-methoxyethyl acrylate) by molecular dynamics simulation. <i>Polymer</i> , <b>2019</b> , 170, 76-84	3.9	12
77	Intermediate Water on Calcium Phosphate Minerals: Its Origin and Role in Crystal Growth.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 981-986	4.1	12
76	The morphology and functions of articular chondrocytes on a honeycomb-patterned surface. <i>BioMed Research International</i> , <b>2014</b> , 2014, 710354	3	12
75	Adhesion and proliferation of human periodontal ligament cells on poly(2-methoxyethyl acrylate). <i>BioMed Research International</i> , <b>2014</b> , 2014, 102648	3	12

74	Side-Chain Spacing Control of Derivatives of Poly(2-methoxyethyl acrylate): Impact on Hydration States and Antithrombogenicity. <i>Macromolecules</i> , <b>2020</b> , 53, 8570-8580	5.5	12
73	Biocompatibility and hemocompatibility evaluation of polyether urethanes synthesized using DBU organocatalyst. <i>European Polymer Journal</i> , <b>2016</b> , 84, 750-758	5.2	12
72	Hydration States and Blood Compatibility of Hydrogen-Bonded Supramolecular Poly(2-methoxyethyl acrylate).. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 4154-4161	4.1	11
71	Mechanical Effect of Acetic Acid Lignin Adsorption on Honeycomb-Patterned Cellulosic Films. <i>Journal of Wood Chemistry and Technology</i> , <b>2010</b> , 30, 348-359	2	11
70	Conformable microneedle pH sensors via the integration of two different siloxane polymers for mapping peripheral artery disease. <i>Science Advances</i> , <b>2021</b> , 7, eabi6290	14.3	10
69	Construction of a blood-compatible interface based on surface segregation in a polymer blend. <i>Polymer</i> , <b>2015</b> , 78, 219-224	3.9	9
68	Effect of interfacial structure based on grafting density of poly(2-methoxyethyl acrylate) on blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 199, 111517	6	9
67	Elucidating the Feature of Intermediate Water in Hydrated Poly(2-methoxyethyl acrylate)s by Molecular Dynamics Simulation and Differential Scanning Calorimetry Measurement. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 3915-3924	5.5	8
66	Newly developed controlled release subcutaneous formulation for tramadol hydrochloride. <i>Saudi Pharmaceutical Journal</i> , <b>2018</b> , 26, 585-592	4.4	8
65	Control of interfacial structures and anti-platelet adhesion property of blood-compatible random copolymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2020</b> , 31, 207-218	3.5	8
64	Integrin-independent Cell Adhesion Substrates: Possibility of Applications for Mechanobiology Research. <i>Analytical Sciences</i> , <b>2016</b> , 32, 1151-1158	1.7	8
63	Mechanical Properties with Respect to Water Content of Host-Guest Hydrogels. <i>Macromolecules</i> , <b>2021</b> , 54, 8067-8076	5.5	8
62	Proliferation of Periodontal Ligament Cells on Biodegradable Honeycomb Film Scaffold with Unified Micropore Organization. <i>Journal of Biomechanical Science and Engineering</i> , <b>2010</b> , 5, 252-261	0.8	7
61	Morphological Changes of Neurons on Self-Organized Honeycomb Patterned Films. <i>Kobunshi Ronbunshu</i> , <b>2004</b> , 61, 628-633	0	7
60	Blood-compatible poly (2-methoxyethyl acrylate) for the adhesion and proliferation of lung cancer cells toward the isolation and analysis of circulating tumor cells. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2016</b> , 31, 361-372	2	6
59	Water Structure and Polymer Dynamics in Hydrated Blood Compatible Polymers. <i>Kobunshi Ronbunshu</i> , <b>2011</b> , 68, 133-146	0	6
58	Study on the water structure and blood compatibility of poly(acryloylmorpholine-r-butyl methacrylate). <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 1895-910	3.5	6
57	Silsesquioxane/Poly(2-methoxyethyl acrylate) Hybrid with Both Antithrombotic and Endothelial Cell Adhesive Properties. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 4790-4801	4.3	6



56	Different hydration states and passive tumor targeting ability of polyethylene glycol-modified dendrimers with high and low PEG density. <i>Materials Science and Engineering C</i> , <b>2021</b> , 126, 112159	8.3	6
55	Understanding the Effect of Hydration on the Bio-inert Properties of 2-Hydroxyethyl Methacrylate Copolymers with Small Amounts of Amino- or/and Fluorine-Containing Monomers. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 2855-2866	5.5	6
54	Methoxy-Functionalized Glycerol-Based Aliphatic Polycarbonate: Organocatalytic Synthesis, Blood Compatibility, and Hydrolytic Property. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 472-481	5.5	6
53	Investigating the Intermediate Water Feature of Hydrated Titanium Containing Bioactive Glass. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
52	Molecular Dynamics Study on the Water Mobility and Side-Chain Flexibility of Hydrated Poly(β-methoxyalkyl acrylate)s. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 6690-6700	5.5	5
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