

Daiki Murakami

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hydration Mechanism in Blood-Compatible Polymers Undergoing Phase Separation. <i>Langmuir</i> , 2022, 38, 1090-1098.	3.5	6
2	Experimental Evidence of Slow Mode Water in the Vicinity of Poly(ethylene oxide) at Physiological Temperature. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1758-1767.	2.6	11
3	Effect of Osmolytes on Water Mobility Correlates with Their Stabilizing Effect on Proteins. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2466-2475.	2.6	19
4	Observing the repulsion layers on blood-compatible polymer-grafted interfaces by frequency modulation atomic force microscopy. <i>Materials Science and Engineering C</i> , 2022, 133, 112596.	7.3	5
5	Nanoscope analyses of cell-adhesive protein adsorption on poly(2-methoxyethyl acrylate) surfaces. <i>Biomaterials Science</i> , 2022, 10, 2953-2963.	5.4	4
6	Infrared Spectra and Hydrogen-Bond Configurations of Water Molecules at the Interface of Water-Insoluble Polymers under Humidified Conditions. <i>Journal of Physical Chemistry B</i> , 2022, 126, 4143-4151.	2.6	24
7	Poly(2-Methoxyethyl Acrylate) (PMEA)-Coated Anti-Platelet Adhesive Surfaces to Mimic Native Blood Vessels through HUVECs Attachment, Migration, and Monolayer Formation. <i>Coatings</i> , 2022, 12, 869.	2.6	0
8	Effect of interfacial structure based on grafting density of poly(2-methoxyethyl acrylate) on blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111517.	5.0	11
9	Attachment and Growth of Fibroblast Cells on Poly (2-Methoxyethyl Acrylate) Analog Polymers as Coating Materials. <i>Coatings</i> , 2021, 11, 461.	2.6	6
10	First Observation of the Hydration Layer around Polymer Chain by Scattering and Its Relationship to Thromboresistance: Dilute Solution Properties of PMEA in THF/Water. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7251-7261.	2.6	2
11	Effect of Branching Degree of Dendritic Polyglycerols on Plasma Protein Adsorption: Relationship between Hydration States and Surface Morphology. <i>Langmuir</i> , 2021, 37, 8534-8543.	3.5	2
12	Protein- and Cell-Resistance of Zwitterionic Peptide-Based Self-Assembled Monolayers: Anti-Biofouling Tests and Surface Force Analysis. <i>Frontiers in Chemistry</i> , 2021, 9, 748017.	3.6	8
13	Local Dynamics of the Hydration Water and Poly(Methyl Methacrylate) Chains in PMMA Networks. <i>Frontiers in Chemistry</i> , 2021, 9, 728738.	3.6	5
14	Effect of amount of hydrated water and mobility of hydrated poly(2-methoxyethyl acrylate) on blood compatibility. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7251-7261.	3.8	5
15	Control of interfacial structures and anti-platelet adhesion property of blood-compatible random copolymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 207-218.	3.5	13
16	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> , 2020, 6, 2855-2866.	5.2	12
17	Design of Polymeric Biomaterials: The "Intermediate Water Concept". <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 2043-2057.	3.2	65
18	Hydration States and Blood Compatibility of Hydrogen-Bonded Supramolecular Poly(2-methoxyethyl acrylate) Copolymers. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1055-1065.	4.6	14

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19	Effect of the Molecular Weight of Poly(2-methoxyethyl acrylate) on Interfacial Structure and Blood Compatibility. <i>Langmuir</i> , 2019, 35, 2808-2813.	3.5	20
20	Thermosensitive Polymer Biocompatibility Based on Interfacial Structure at Biointerface. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1591-1597.	5.2	21
21	Analysis of Interaction Between Interfacial Structure and Fibrinogen at Blood-Compatible Polymer/Water Interface. <i>Frontiers in Chemistry</i> , 2018, 6, 542.	3.6	25
22	Direct Characterization of In-Plane Phase Separation in Polystyrene Brush/Cyclohexane System. <i>Macromolecules</i> , 2016, 49, 4862-4866.	4.8	14
23	Interfacial Structures and Fibrinogen Adsorption at Blood-Compatible Polymer/Water Interfaces. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 2122-2126.	5.2	34
24	Nanometer-scale Real-space Observation and Material Processing for Polymer Materials under Atmospheric Pressure: Application of Atmospheric Scanning Electron Microscopy. <i>Electrochemistry</i> , 2014, 82, 359-363.	1.4	5
25	Measurement of the Electrostatic Interaction between Polyelectrolyte Brush Surfaces by Optical Tweezers. <i>Langmuir</i> , 2013, 29, 16093-16097.	3.5	24
26	Spreading and Structuring of Water on Superhydrophilic Polyelectrolyte Brush Surfaces. <i>Langmuir</i> , 2013, 29, 1148-1151.	3.5	36
27	Precise and nondestructive characterization of a "buried"™ nanostructure in a polymer thin film using synchrotron radiation ultra-small angle X-ray scattering. <i>Polymer Journal</i> , 2013, 45, 307-312.	2.7	3