

Hirohmi Watanabe

List of Publications by Year in descending order

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43
papers

762
citations

516710

16
h-index

526287

27
g-index

44
all docs

44
docs citations

44
times ranked

809
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Low-Surface-Energy Poly[2-(perfluorooctyl)ethyl acrylate] Microparticles and Its Application to Liquid Marble Formation. <i>Langmuir</i> , 2011, 27, 1269-1274.	3.5	62
2	A Large, Freestanding, 20-µm Thick Nanomembrane Based on an Epoxy Resin. <i>Advanced Materials</i> , 2007, 19, 909-912.	21.0	58
3	Robust Liquid Marbles Stabilized with Surface-Modified Halloysite Nanotubes. <i>Langmuir</i> , 2013, 29, 14971-14975.	3.5	51
4	Characterization of catechol-containing natural thermosetting polymer urushiol thin film. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3688-3692.	2.3	47
5	Biobased Polymer Coating Using Catechol Derivative Urushiol. <i>Langmuir</i> , 2016, 32, 4619-4623.	3.5	45
6	Liquid Marbles Supported by Monodisperse Poly(methylsilsesquioxane) Particles. <i>Langmuir</i> , 2014, 30, 9071-9075.	3.5	43
7	Spatial Forcing of Self-Organized Microwrinkles by Periodic Nanopatterns. <i>Advanced Materials</i> , 2007, 19, 3229-3232.	21.0	40
8	Development of Fabrication of Giant Nanomembranes. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 433-440.	3.2	39
9	Giant nanomembrane of covalently-hybridized epoxy resin and silica. <i>Journal of Materials Chemistry</i> , 2009, 19, 2425.	6.7	34
10	Preparation of poly(lactic-acid)-particle stabilized liquid marble and the improvement of its stability by uniform shell formation through solvent vapor exposure. <i>RSC Advances</i> , 2013, 3, 7862.	3.6	33
11	Fabrication of Large, Robust Nanomembranes from Diverse, Cross-Linked Polymeric Materials. <i>Macromolecules</i> , 2007, 40, 1369-1371.	4.8	28
12	Scaffold for Growing Dense Polymer Brushes from a Versatile Substrate. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3648-3653.	8.0	28
13	Surface Functionalization by Decal-like Transfer of Thermally Cross-Linked Urushiol Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18517-18524.	8.0	23
14	Spray-Assisted Nanocoating of the Biobased Material Urushiol. <i>Langmuir</i> , 2015, 31, 2360-2365.	3.5	20
15	Manipulation of surface properties: the use of nanomembrane as a nanometre-thick decal. <i>Soft Matter</i> , 2011, 7, 1856-1860.	2.7	19
16	Biobased Coatings Based on Eugenol Derivatives. <i>ACS Applied Bio Materials</i> , 2018, 1, 808-813.	4.6	19
17	Advantages of bulge testing and rupture mechanism of glassy polymer films. <i>Polymer</i> , 2019, 179, 121632.	3.8	17
18	Surface texturing of natural urushi™ thermosetting polymer thin films. <i>Polymer Journal</i> , 2014, 46, 216-219.	2.7	16

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19	Spatial Disposition of Dye Molecules within Metal Oxide Nanotubes. <i>Chemistry of Materials</i> , 2008, 20, 4998-5004.	6.7	14
20	Preparation and characterization of looped polydimethylsiloxane brushes. <i>Polymer Journal</i> , 2014, 46, 117-122.	2.7	13
21	X-ray Computerized Tomography Observation of the Interfacial Structure of Liquid Marbles. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 84-88.	3.2	13
22	<i>In situ</i> synchrotron radiation X-ray diffraction studies on molecular aggregation structure of nylon 12 films during bulge testing. <i>Soft Matter</i> , 2018, 14, 1659-1664.	2.7	13
23	Photocurable Urushiol Analogues Bearing Methacryloxy-Containing Side chains. <i>Langmuir</i> , 2019, 35, 4534-4539.	3.5	10
24	Fabrication of Large Nanomembranes by Radical Polymerization of Multifunctional Acrylate Monomers. <i>Polymer Journal</i> , 2008, 40, 379-382.	2.7	9
25	Photo-alignment material with azobenzene-functionalized polymer linked in film. <i>Polymers for Advanced Technologies</i> , 2002, 13, 558-565.	3.2	7
26	Fabrication of Large, Free-standing Nanofilms of Platinum and Platinum-Palladium Alloy. <i>Chemistry Letters</i> , 2007, 36, 288-289.	1.3	7
27	Effect of Oligomer Segregation on the Aggregation State and Strength at the Polystyrene/Substrate Interface. <i>ACS Macro Letters</i> , 2022, 11, 504-509.	4.8	7
28	Reactions of Vinyl Ethers and Application to Photoreactive Process. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2004, 17, 341-359.	0.3	6
29	One-step nanopatterning of conjugated polymers by electron-beam-assisted electropolymerization. <i>Microscopy (Oxford, England)</i> , 2015, 64, 205-212.	1.5	6
30	Nanomembranes as a substrate for ultra-thin lightweight devices. <i>Thin Solid Films</i> , 2019, 676, 8-11.	1.8	6
31	Mechanism of Acid-Catalyzed Crosslinking Reaction with Hydroxyethyl Group and Application to Microlithography.. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 1999, 12, 303-306.	0.3	4
32	Concealing Surface Topography by Attachment of Nanometer-Thick Film. <i>Langmuir</i> , 2013, 29, 2906-2911.	3.5	4
33	Effect of Water Swelling on the Tribological Properties of PMMA Spin-Cast Film and Brush in Aqueous Environment. <i>Tribology Letters</i> , 2014, 55, 121-129.	2.6	4
34	Divinyloxyalkane Cross-linker on DUV Photoresist.. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 1998, 11, 537-540.	0.3	3
35	Water-dispersed Photopolymer Microgels with Core-Shell Structure Modified by Glycidyl Methacrylate.. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 1999, 12, 759-767.	0.3	3
36	Fabrication of Segmented Cavity Films and Their Application to Nanocomposite Materials. <i>Chemistry of Materials</i> , 2005, 17, 3600-3605.	6.7	3

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37	Liquid Marbles from Polymer Particles: Formation Mechanism, Physical Characterizations, and Applications. <i>Kobunshi Ronbunshu</i> , 2017, 74, 26-35.	0.2	3
38	Specific Deformation Behavior of Isotactic Polypropylene Films under Multiaxial Stress Field. <i>Soft Matter</i> , 2022, , .	2.7	2
39	The Role of Vinyl Groups and Quaternary Amino Groups on Microgel Particle Surface in Photopolymer System.. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 1998, 11, 77-80.	0.3	1
40	Carbazole as Photo-Sensitizer in Photoresist.. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2001, 14, 263-264.	0.3	1
41	Polymer Brush Growth from Surface-textured Thin Urushiol Films. <i>Chemistry Letters</i> , 2014, 43, 1776-1778.	1.3	1
42	Water-dispersible microgel modified with methacryloyl groups by ionic bonding on the surface and the photopolymer microgel. <i>Polymers for Advanced Technologies</i> , 2000, 11, 307-315.	3.2	0
43	Stabilization of Liquid Droplet Covered with Hydrophobic Polymer Particles. <i>Journal of the Japan Society of Colour Material</i> , 2013, 86, 50-56.	0.1	0