

Yoshihisa Fujii

List of Publications by Year in descending order

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60
papers

1,481
citations

430874

18
h-index

315739

38
g-index

61
all docs

61
docs citations

61
times ranked

1689
citing authors

#	ARTICLE	IF	CITATIONS
1	Class Transition Dynamics and Surface Layer Mobility in Unentangled Polystyrene Films. <i>Science</i> , 2010, 328, 1676-1679.	12.6	429
2	Affinity of Polystyrene Films to Hydrogen-Passivated Silicon and Its Relevance to the T_g of the Films. <i>Macromolecules</i> , 2009, 42, 7418-7422.	4.8	144
3	Nonsolvents Cause Swelling at the Interface with Poly(methyl methacrylate) Films. <i>Langmuir</i> , 2008, 24, 296-301.	3.5	95
4	Local Conformation and Relaxation of Polystyrene at Substrate Interface. <i>Macromolecules</i> , 2012, 45, 4643-4649.	4.8	95
5	Dynamics of Water-Induced Surface Reorganization in Poly(methyl methacrylate) Films. <i>Macromolecules</i> , 2012, 45, 4638-4642.	4.8	76
6	Flash freezing route to mesoporous polymer nanofibre networks. <i>Nature Communications</i> , 2013, 4, 2653.	12.8	75
7	Effect of Long Range Interactions on the Glass Transition Temperature of Thin Polystyrene Films. <i>ACS Macro Letters</i> , 2012, 1, 1317-1320.	4.8	54
8	Hydrophobized plant polyphenols: self-assembly and promising antibacterial, adhesive, and anticorrosion coatings. <i>Chemical Communications</i> , 2016, 52, 312-315.	4.1	49
9	Mechanically Induced Opening/Closing Action of Binaphthyl Molecular Pliers: Digital Phase Transition versus Continuous Conformational Change. <i>ChemPhysChem</i> , 2017, 18, 1470-1474.	2.1	46
10	Toughening Effect of Rodlike Cellulose Nanocrystals in Epoxy Adhesive. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1234-1243.	4.4	38
11	Chain Conformation Effects on Molecular Motions at the Surface of Poly(methyl methacrylate) Films. <i>Polymer Journal</i> , 2007, 39, 928-934.	2.7	33
12	Ultrathin free-standing membranes from metal hydroxide nanostrands. <i>Journal of Membrane Science</i> , 2013, 448, 270-291.	8.2	31
13	Bioinspired adhesive polymer coatings for efficient and versatile corrosion resistance. <i>RSC Advances</i> , 2015, 5, 15977-15984.	3.6	31
14	Relaxation Behavior of Poly(methyl methacrylate) at a Water Interface. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3457-3460.	2.6	29
15	Structure and thermal molecular motion at surface of semi-crystalline isotactic polypropylene films. <i>Polymer</i> , 2005, 46, 429-437.	3.8	28
16	Confinement Effect on the Effective Viscosity of Plasticized Polymer Films. <i>Macromolecules</i> , 2015, 48, 7719-7726.	4.8	24
17	Rational design of a biomimetic glue with tunable strength and ductility. <i>Polymer Chemistry</i> , 2017, 8, 1654-1663.	3.9	22
18	Surface Reorganization of Thin Poly(methyl methacrylate) Films Induced by Water. <i>Chemistry Letters</i> , 2010, 39, 810-811.	1.3	18

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19	Interfacial Width in Polymer Bilayer Films Prepared by Double-Spin-Coating and Flotation Methods. ACS Applied Materials & Interfaces, 2009, 1, 1856-1859.	8.0	16
20	Hydrophilic polymer nanofibre networks for rapid removal of aromatic compounds from water. Chemical Communications, 2014, 50, 9393-9396.	4.1	15
21	Applicability of effective medium theory to wood density measurements using terahertz time-domain spectroscopy. Journal of Wood Science, 2014, 60, 111-116.	1.9	13
22	Experimental Evidence of Slow Mode Water in the Vicinity of Poly(ethylene oxide) at Physiological Temperature. Journal of Physical Chemistry B, 2022, 126, 1758-1767.	2.6	11
23	Shear Modulus of a Polymer Brush. Macromolecules, 2010, 43, 4310-4313.	4.8	10
24	Effect of grain direction on transmittance of 100-GHz millimeter wave for hinoki (Chamaecyparis Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	10
25	Effect of pore conformation on dielectric anisotropy of oven-dry wood evaluated using terahertz time-domain spectroscopy and eigenvalue problems for two-dimensional photonic crystals. Journal of Wood Science, 2014, 60, 194-200.	1.9	10
26	One-pot surface modification of rubbery polymer films. Polymer Chemistry, 2012, 3, 319-321.	3.9	9
27	Dielectric anisotropy of oven- and air-dried wood evaluated using a free space millimeter wave. Journal of Wood Science, 2013, 59, 367-374.	1.9	8
28	Dispersion state of carbon black in polystyrene produced with different dispersion media and its effects on composite rheological properties. Polymer Journal, 2019, 51, 275-281.	2.7	7
29	Analysis of Feeding Activities of Termites by AE Monitoring of Infested Wood.. MOKUZAI HOZON (Wood) Tj ETQq1 1 0.7843 1 4 rgBT 0	1.0	7
30	Humidity-Induced Self-Assembled Nanostructures via Ion Aggregation in Ionic Linear Polysiloxanes. Macromolecules, 2022, 55, 4313-4319.	4.8	6
31	A simple approach for surface hardening of polystyrene. Applied Surface Science, 2013, 264, 589-592.	6.1	5
32	Local Dynamics of the Hydration Water and Poly(Methyl Methacrylate) Chains in PMMA Networks. Frontiers in Chemistry, 2021, 9, 728738.	3.6	5
33	Effect of annual rings on transmission of 100GHz millimeter waves through wood. Journal of Wood Science, 2013, 59, 375-382.	1.9	4
34	Nanoprecipitation for ultrafiltration membranes. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 615-620.	2.1	4
35	Structure and Mechanical Properties of Polybutadiene Thin Films Bound to Surface-Modified Carbon Interface. Langmuir, 2017, 33, 8883-8890.	3.5	4
36	Density Distributions of Poly(methyl methacrylate)Thin Films in Non-Solvents. Kobunshi Ronbunshu, 2011, 68, 608-615.	0.2	3

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37	Development of Radar Apparatus for Scanning of Wooden-Wall to Evaluate Inner Structure and Bio-Degradation Non-Destructively. <i>Advanced Materials Research</i> , 2013, 778, 289-294.	0.3	3
38	Structural analysis for a poly(methyl methacrylate) ultrathin film in water by neutron reflectivity. <i>Journal of Physics: Conference Series</i> , 2007, 83, 012023.	0.4	2
39	Gas Sorption into Surface of Poly(methyl methacrylate) Films at Atmospheric Pressure. <i>Polymer Journal</i> , 2007, 39, 1290-1294.	2.7	2
40	Entanglement Effect on Film Retention of Poly(methyl methacrylate) in Methanol. <i>Chemistry Letters</i> , 2008, 37, 326-327.	1.3	2
41	Relaxation of polystyrene at interface with solid substrate. , 2013, , .		1
42	Evaluation of Local Gelation Behavior of Aqueous Methylcellulose Solution Using Quartz Crystal Microbalance. <i>Materials Transactions</i> , 2021, 62, 647-654.	1.2	1
43	Identification of the substance responsible for whitening of the surface of wood posts set on foundation stones of traditional wooden buildings. <i>MOKUZAI HOZON (Wood Protection)</i> , 2017, 43, 139-147.	0.0	1
44	Pattern Recognition of Blue Stain Discoloration Appearing on Radiata Pine Boards. <i>Mokuzai Gakkai Shi</i> , 2015, 61, 274-279.	0.2	1
45	Evaluation of particulate materials as a physical barrier against penetration of <i>Reticulitermes speratus</i> under floor of experiment house. <i>MOKUZAI HOZON (Wood Protection)</i> , 2019, 45, 114-121.	0.0	1
46	Mobility Gradient of Polystyrene in Films Supported on Solid Substrates. <i>Advances in Polymer Science</i> , 2012, , 1-27.	0.8	0
47	Interfacial dynamics of poly(methyl methacrylate) in water. , 2013, , .		0
48	Generation Mechanism and Quantitative Evaluation of Fuzzy Grain on Planed Surfaces of Hinoki (<i>Chamaecyparis obtusa</i>). <i>Mokuzai Gakkai Shi</i> , 2019, 65, 63-70.	0.2	0
49	Parameter Analysis of Physical Properties Influencing Drilling Resistance of Decayed Wood. <i>MOKUZAI HOZON (Wood Protection)</i> , 2021, 47, 22-31.	0.0	0
50	Adsorbed Polymer Effects on Particle Dispersion in Polymeric Matrix Examined by SANS. , 2021, , .		0
51	Evaluation of Local Gelation Behavior of Aqueous Methylcellulose Solution Using Quartz Crystal Microbalance. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2021, 85, 23-29.	0.4	0
52	Polymer/Liquid Interface. <i>Hamon</i> , 2009, 19, 105-108.	0.0	0
53	Thermal Molecular Motion of Poly(methyl methacrylate) at Various Interfaces. <i>Nihon Reoroji Gakkaishi</i> , 2012, 40, 143-149.	1.0	0
54	Molecular Aggregation States of Poly (meth) acrylate Thin Films in Non-solvents. <i>Hamon</i> , 2013, 23, 62-65.	0.0	0

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55	Nondestructive Visualization Using Electromagnetic Waves for Real and Practical Sensing Technology for Robotics. <i>Advances in Computer Vision and Pattern Recognition</i> , 2015, , 413-482.	1.3	0
56	Contribution of copper based metal fitting to control the biodegradation of wood. XRF-analysis of copper contents at the surface of wood members with copper metal fitting in Kyoto Sanjo-ohashi. <i>MOKUZAI HOZON (Wood Protection)</i> , 2015, 41, 256-263.	0.0	0
57	<i>In-Situ</i> Nano Structural Analysis on Soft Interfaces and Thin Films by Neutron Reflectometry. <i>Oleoscience</i> , 2016, 16, 535-540.	0.0	0
58	Small-angle X-ray Scattering Analysis on Filler Dispersion State in Polymer Composite Prepared by Solvent Casting. <i>Nippon Gomu Kyokaishi</i> , 2019, 92, 158-163.	0.0	0
59	A New Decay Parameter Focused on the Arrangement of Cells in Radial Files of Dried Japanese Cedar after Decay from Brown-rot Fungi <i>Fomitopsis palustris</i>. <i>Mokuzai Gakkai Shi</i> , 2022, 68, 17-25.	0.2	0
60	Interfacial Selective Study on the Gelation Behavior of Aqueous Methylcellulose Solution via a Quartz Crystal Microbalance. <i>Langmuir</i> , 2022, , .	3.5	0