

Taiki Hoshino

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

489
citations

759233

12
h-index

713466

21
g-index

38
all docs

38
docs citations

38
times ranked

668
citing authors

#	ARTICLE	IF	CITATIONS
1	Chain dimension of polyampholytes in solution and immobilized brush states. <i>Polymer Journal</i> , 2012, 44, 121-130.	2.7	57
2	Influence of Trace Amount of Well-Dispersed Carbon Nanotubes on Structural Development and Tensile Properties of Polypropylene. <i>Macromolecules</i> , 2013, 46, 463-473.	4.8	47
3	Solution Processable Iridescent Self-Assembled Nanoplatelets with Finely Tunable Interlayer Distances Using Charge- and Sterically Stabilizing Oligomeric Polyoxyalkyleneamine Surfactants. <i>Chemistry of Materials</i> , 2014, 26, 1528-1537.	6.7	43
4	Dynamical crossover between hyperdiffusion and subdiffusion of polymer-grafted nanoparticles in a polymer matrix. <i>Physical Review E</i> , 2013, 88, 032602.	2.1	40
5	Salt Dependence of the Chain Stiffness and Excluded-Volume Strength for the Polymethacrylate-Type Sulfopropylbetaine in Aqueous NaCl Solutions. <i>Macromolecules</i> , 2015, 48, 7194-7204.	4.8	32
6	Confinement-Induced Crystal Growth in One-Dimensional Isotactic Polystyrene Nanorod Arrays. <i>ACS Macro Letters</i> , 2013, 2, 414-418.	4.8	24
7	Precise Synthesis of a Homogeneous Thermoresponsive Polymer Network Composed of Four-Branched Star Polymers with a Narrow Molecular Weight Distribution. <i>Macromolecules</i> , 2020, 53, 374-386.	4.8	23
8	X-ray photon correlation spectroscopy using a fast pixel array detector with a grid mask resolution enhancer. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 988-993.	2.4	22
9	Surface and Interface Analyses of Polymer Brushes by Synchrotron Radiation. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 021014.	1.6	22
10	Highly Transparent and Tough Filler Composite Elastomer Inspired by the Cornea. , 2020, 2, 325-330.		21
11	Dynamical Heterogeneity near Glass Transition Temperature under Shear Conditions. <i>Physical Review Letters</i> , 2020, 124, 118004.	7.8	16
12	Heterogeneous dynamics in the curing process of epoxy resins. <i>Scientific Reports</i> , 2021, 11, 9767.	3.3	14
13	Static structure and dynamical behavior of colloidal liquid crystals consisting of hydroxyapatite-based nanorod hybrids. <i>Soft Matter</i> , 2019, 15, 3315-3322.	2.7	12
14	Energy dissipation via the internal fracture of the silica particle network in inorganic/organic double network ion gels. <i>Soft Matter</i> , 2020, 16, 2363-2370.	2.7	12
15	Silica Nanoparticle Reinforced Composites as Transparent Elastomeric Damping Materials. <i>ACS Applied Nano Materials</i> , 2021, 4, 4140-4152.	5.0	12
16	Sound Velocity and Attenuation in the Semiconductor-Metal Transition Region of Fluid Selenium. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 014604.	1.6	9
17	Observation of constraint surface dynamics of polystyrene thin films by functionalization of a silsesquioxane cage. <i>Polymer</i> , 2016, 105, 487-499.	3.8	8
18	Sum frequency generation imaging for semi-crystalline polymers. <i>Polymer Journal</i> , 2022, 54, 679-685.	2.7	7

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19	Thermal gradient effect on the dynamical behavior of nanoparticles observed using X-ray photon correlation spectroscopy. <i>Polymer Journal</i> , 2013, 45, 94-99.	2.7	6
20	Morphological changes of hydrophobic matrix and hydrophilic ionomers in water-swollen perfluorinated sulfonic acid membranes detected using small-angle X-ray scattering. <i>Polymer</i> , 2019, 180, 121699.	3.8	6
21	Glassy Porphyrin/C ₆₀ Composites: Morphological Engineering of C ₆₀ Fullerene with Liquefied Porphyrins. <i>Langmuir</i> , 2020, 36, 13583-13590.	3.5	6
22	An effect of crystallographic distortion on carrier mobility in poly(3-hexylthiophene) thin films. <i>Applied Physics Letters</i> , 2021, 118, 181601.	3.3	6
23	Nonturbid Fast Temperature-Responsive Hydrogels with Homogeneous Three-Dimensional Networks by Two Types of Star Polymer Synthesis Methods. <i>Macromolecules</i> , 2021, 54, 5750-5764.	4.8	6
24	Dynamics of matrix-free nanocomposites consisting of block copolymer-grafted silica nanoparticles under elongation evaluated through X-ray photon correlation spectroscopy. <i>Polymer</i> , 2021, 229, 124003.	3.8	6
25	Mechanical Properties of Homogeneous Polymer Networks Prepared by Star Polymer Synthesis Methods. <i>Macromolecules</i> , 2021, 54, 10468-10476.	4.8	6
26	“Buried” nano-structure and molecular aggregation state in ordered heterojunction poly(3-hexylthiophene)-based photovoltaics. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FH09.	1.5	5
27	A precursor of liquid-liquid coexistence in the metal-nonmetal transition range of fluid mercury. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 3362-3365.	3.1	4
28	Characterization of Surface Microstructures on Bio-based Polymer Film Fabricated with Nano-imprint Lithography by Synchrotron Radiation Small Angle X-ray Scattering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 24, 012004.	0.6	3
29	X-ray Photon Correlation Spectroscopy of Silica Particles Grafted with Polymer Brush in Polystyrene Matrix. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012020.	0.4	3
30	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
31	Shrinking rates of polymer gels composed of star-shaped polymers of <i>N</i> -isopropylacrylamide and dimethylacrylamide copolymers: the effect of dimethylacrylamide on the crosslinking network. <i>Soft Matter</i> , 2022, 18, 5204-5217.	2.7	3
32	Precise sound velocity measurement for liquid Se ₅₀ Te ₅₀ under high pressure. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 3358-3361.	3.1	2
33	Static and Dynamic Scattering from Polysulfobetaine Immobilized on Silica Nanoparticle in Ionic Liquid. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012016.	0.4	2
34	Relation between dynamic heterogeneities observed in scattering experiments and four-body correlations. <i>Physical Review Research</i> , 2022, 4, .	3.6	1
35	Dispersion of Silica Particles in Rubber During Elongation Revealed by Ultra Small Angle X-ray Scattering and Reverse Monte Carlo Modelling. <i>Nippon Gomu Kyokaishi</i> , 2019, 92, 152-157.	0.0	0
36	One-pot synthesis of structure-controlled temperature-responsive polymer gels. <i>Polymer Chemistry</i> , 0, , .	3.9	0

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37	Comparison between Ultrathin Films and the Bulk of Microbial Poly(3-hydroxybutyrate- <i>co</i> -3-hydroxyhexanoate) with Regard to Their Melt-Isothermal Crystallization Kinetics. <i>Macromolecules</i> , 2022, 55, 6076-6089.	4.8	0