

Takumitsu Kida

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of thermal history on the structure and mechanical properties of a thermoplastic polyester elastomer. <i>Polymer</i> , 2022, 238, 124376.	3.8	5
2	Crystallization behavior of isotactic polypropylene containing a fibrous nucleating agent in a flow field. <i>Polymer Journal</i> , 2022, 54, 367-375.	2.7	14
3	Raman Spectroscopic Analyses of Structure–Mechanical Properties Relationship of Crystalline Polyolefin Materials. <i>Nihon Reoroji Gakkaishi</i> , 2022, 50, 21-29.	1.0	5
4	Cyclic Olefin Copolymer Bearing Pendant Fluorenyl Groups with High Refractive Index and Low Chromatic Dispersion. <i>Macromolecules</i> , 2022, 55, 125-132.	4.8	7
5	Complicated Structure Change during Capillary Extrusion of Binary Blends of Polycarbonate and Poly(methyl methacrylate). <i>Materials</i> , 2022, 15, 2783.	2.9	6
6	Evaluation of microscopic structural changes during strain hardening of polyethylene solids using In situ Raman, SAXS, and WAXD measurements under step-cycle test. <i>Polymer</i> , 2022, 250, 124869.	3.8	7
7	Segregation Behavior of Miscible PC/PMMA Blends during Injection Molding. <i>Materials</i> , 2022, 15, 2994.	2.9	5
8	Role of Rigid Amorphous chains on mechanical properties of polypropylene solid using DSC, WAXD, SAXS, and Raman spectroscopy. <i>Polymer</i> , 2022, 249, 124834.	3.8	7
9	Star polymers with norbornene/1-octene gradient copolymer arms synthesized by an ansa-fluorenylamidodimethyltitanium-[Ph ₃ C][B(C ₆ F ₅) ₄] catalyst system. <i>Polymer</i> , 2022, 249, 124844.	3.8	4
10	Viscoelastic Properties of Fully Biomass-Based Transparent Plastic Comprising Cellulose Acetate and Citrate Ester. <i>Materials</i> , 2022, 15, 3038.	2.9	7
11	Crystallinity enhancement of extruded polypropylene containing poly(vinyl alcohol) fibers prepared in situ. <i>Polymer</i> , 2022, 254, 125043.	3.8	2
12	Rheo-Raman Spectroscopic Study of Microscopic Deformation Behavior of Low- and High-Density Polyethylene Solids under Uniaxial Deformation. <i>Nihon Reoroji Gakkaishi</i> , 2022, 50, 287-294.	1.0	1
13	Microstructural Interpretation of Influences of Molecular Weight on the Tensile Properties of High-Density Polyethylene Solids Using Rheo-Raman Spectroscopy. <i>Macromolecules</i> , 2021, 54, 225-234.	4.8	20
14	Synthesis and properties of block copolymers composed of norbornene/higher α -olefin gradient segments using ansa-fluorenylamidodimethyltitanium-[Ph ₃ C][B(C ₆ F ₅) ₄] catalyst system. <i>Polymer Chemistry</i> , 2021, 12, 189-195.	3.9	8
15	Incorporation of Boronic Acid Functionality into Isotactic Polypropylene and Its Application as a Cross-Linking Point. <i>Macromolecules</i> , 2021, 54, 1267-1272.	4.8	5
16	Synthesis of thermoplastic elastomers with high biodegradability in seawater. <i>Polymer Degradation and Stability</i> , 2021, 184, 109467.	5.8	6
17	ç”ç©ª®ç¹ª»«€€ãã±ãšã-ã€ã-¥ã-ç”ç©ªçš‘ã€ãf-ã,ãfã,ãf¼ç%©ç†ã-¥ã-ç”ç©ª®. <i>Nihon Reoroji Gakkaishi</i> , 2021, 49, 49-51.		
18	Improving the strength of polyethylene solids by simple controlling of the molecular weight distribution. <i>Polymer</i> , 2021, 218, 123526.	3.8	28

#	ARTICLE	IF	CITATIONS
19	Raman Spectroscopic Studies of Mechanical Properties of Semi-Crystalline Polymeric Solids. <i>Seikei-Kakou</i> , 2021, 33, 148-150.	0.0	0
20	Rheological properties of linear and short-chain branched polyethylene with nearly monodispersed molecular weight distribution. <i>Rheologica Acta</i> , 2021, 60, 511-519.	2.4	4
21	Synthesis, Properties, and Biodegradability of Thermoplastic Elastomers Made from 2-Methyl-1,3-propanediol, Glutaric Acid and Lactide. <i>Life</i> , 2021, 11, 43.	2.4	3
22	Impact of Magnesium Salt on the Mechanical and Thermal Properties of Poly(vinyl alcohol). <i>Polymers</i> , 2021, 13, 3760.	4.5	3
23	<i>In situ</i> Raman Spectroscopic Observation of Polymer Chains in Semi-Crystalline Polyethylene Solids. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 59-79.	2.8	4
24	Effect of Ultra-High-Molecular-Weight Molecular Chains on the Morphology, Crystallization, and Mechanical Properties of Polypropylene. <i>Polymers</i> , 2021, 13, 4222.	4.5	16
25	Radial Distribution Functions of Entanglements in Primitive Chain Network Simulations. <i>Nihon Reoroji Gakkaishi</i> , 2021, 49, 337-345.	1.0	3
26	Rheo-Raman spectroscopic study of plasticity and elasticity transformation in poly(ether-block-amide) thermoplastic elastomers. <i>Polymer</i> , 2020, 189, 122128.	3.8	13
27	Synthesis and properties of biodegradable thermoplastic elastomers using 2-Methyl-1,3-propanediol, succinic acid and lactide. <i>Polymer Degradation and Stability</i> , 2020, 181, 109353.	5.8	8
28	Synthesis and Properties of Gradient Copolymers Composed of Norbornene and Higher α -Olefins Using an <i>ansa</i> -Fluorenylamidodimethyltitanium- $[\text{Ph}_3\text{C}][\text{B}(\text{C}_6\text{F}_5)_4]$ Catalyst System. <i>Macromolecules</i> , 2020, 53, 4323-4329.	4.8	21
29	Microscopic Origin of Elastic and Plastic Deformation in Poly(Ether-Block-Amide) Elastomers under Various Conditions. <i>Nihon Reoroji Gakkaishi</i> , 2020, 48, 153-160.	1.0	3
30	Rheo-Raman Spectroscopic Study on Uniaxial Deformation Behavior of High-Density Polyethylene Solids with Various Molecular Weight Distributions. <i>Macromolecules</i> , 2019, 52, 4590-4600.	4.8	24
31	Effect of the number of arms on the mechanical properties of a star-shaped cyclic olefin copolymer. <i>Polymer Chemistry</i> , 2019, 10, 5578-5583.	3.9	7
32	Evaluation of Polymer Material Orientation by Using Polarized Raman Spectroscopy. <i>Seikei-Kakou</i> , 2019, 31, 281-284.	0.0	0
33	Microscopic structural changes during photodegradation of low-density polyethylene detected by Raman spectroscopy. <i>Polymer Degradation and Stability</i> , 2018, 150, 67-72.	5.8	47
34	Rheo-Raman Study of Isotactic Polypropylene Under Tensile Deformation. <i>Macromolecular Symposia</i> , 2018, 377, 1700019.	0.7	6
35	In Situ Monitoring of Orientation Parameters and Orientation Distribution Functions of Polyethylenes during Tensile Tests. <i>Macromolecular Symposia</i> , 2018, 377, 1700020.	0.7	5
36	Rheo-Raman spectroscopic study of microscopic deformation behavior for ultra-low-density polyethylene. <i>Polymer International</i> , 2018, 67, 1335-1340.	3.1	9

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37	Raman Spectroscopic Study of Microscopic Deformation Behavior of Crystalline Polyolefin Solids. <i>Kobunshi Ronbunshu</i> , 2018, 75, 497-506.	0.2	0
38	Effect of Strain Rate on Microscopic Deformation Behavior of High-density Polyethylene under Uniaxial Stretching. <i>MATEC Web of Conferences</i> , 2017, 130, 05001.	0.2	2
39	Molecular orientation behavior of isotactic polypropylene under uniaxial stretching by rheo-Raman spectroscopy. <i>EXPRESS Polymer Letters</i> , 2016, 10, 701-709.	2.1	27
40	Raman Spectroscopic Study of High-density Polyethylene during Tensile Deformation. <i>International Journal of Experimental Spectroscopic Techniques</i> , 2016, 1, 1-6.	0.3	50
41	Deformation mechanism of high-density polyethylene probed by in-situ Raman spectroscopy. <i>Polymer</i> , 2015, 58, 88-95.	3.8	55
42	Rheo-optical Raman study of microscopic deformation in high-density polyethylene under hot drawing. <i>Polymer Testing</i> , 2015, 44, 30-36.	4.8	18
43	Polymerization of Styrene Derivatives Using Anilinonaphthoquinone-ligated Nickel Complexes and Thermal/Rheological Properties of the Produced Polymers. <i>Macromolecular Chemistry and Physics</i> , 0, , 2100402.	2.2	0