Masahiro Fujita

List of Publications by Year
in descending order

50	1,513	331670	302126
papers	citations	21 h-index	39 g-index

52	52	52	1679
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scaffolds from electrospun polyhydroxyalkanoate copolymers: Fabrication, characterization, bioabsorption and tissue response. Biomaterials, 2008, 29, 1307-1317.	11.4	144
2	Coreâ€“Shell Structure, Biodegradation, and Drug Release Behavior of Poly(lactic acid)/Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1527-1536.	3.5	112
3	Processing of a Strong Biodegradable Poly[(R)-3-hydroxybutyrate] Fiber and a New Fiber Structure Revealed by Micro-Beam X-Ray Diffraction with Synchrotron Radiation. Macromolecular Rapid Communications, 2004, 25, 1100-1104.	3.9	111
4	Stereocomplex Formation through Reorganization of Poly(<scp>l</scp>-lactic acid) and Poly(<scp>d</scp>-lactic acid) Crystals. Macromolecules, 2008, 41, 2852-2858.	4.8	105
5	Formation of Highly Ordered Structure in Poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate] High-Strength Fibers. Macromolecules, 2006, 39, 2940-2946.	4.8	94
6	Microbeam X-ray Diffraction and Enzymatic Degradation of Poly[(R)-3-hydroxybutyrate] Fibers with Two Kinds of Molecular Conformations. Macromolecules, 2006, 39, 5789-5795.	4.8	78
7	Crystal Growth in Poly(L-lactide) Thin Film Revealed by in situ Atomic Force Microscopy. Macromolecular Chemistry and Physics, 2003, 204, 1822-1831.	2.2	62
8	Time-Resolved X-ray Diffraction Study on Poly[(R)-3-hydroxybutyrate] Films during Two-Step-Drawing:Â Generation Mechanism of Planar Zigzag Structureâ€. Biomacromolecules, 2005, 6, 1803-1809.	5.4	62
9	Annealing and Melting Behavior of Poly(l-lactic acid) Single Crystals as Revealed by In Situ Atomic Force Microscopy. Biomacromolecules, 2003, 4, 1301-1307.	5.4	57
10	Structure investigation of narrow banded spherulites in polyhydroxyalkanoates by microbeam X-ray diffraction with synchrotron radiation. Polymer, 2005, 46, 5673-5679.	3.8	43
11	DNA-functionalized thermoresponsive bioconjugates synthesized via ATRP and click chemistry. Polymer, 2011, 52, 895-900.	3.8	42
12	Structural study on gold nanoparticle functionalized with DNA and its non-cross-linking aggregation. Journal of Colloid and Interface Science, 2012, 368, 629-635.	9.4	41
13	Effect of Water on the Surface Molecular Mobility of Poly(lactide) Thin Films:Â An Atomic Force Microscopy Study. Biomacromolecules, 2004, 5, 1187-1193.	5.4	38
14	Thermoresponsive Micellization and Micellar Stability of Poly(N-isopropylacrylamide)-b-DNA Diblock and Miktoarm Star Polymers. Langmuir, 2012, 28, 14347-14356.	3.5	36
15	Detection of DNA induced gold nanoparticle aggregation with dark field imaging. Chemical Communications, 2013, 49, 7531.	4.1	35
16	DNA Terminal Breathing Regulated by Metal Ions for Colloidal Logic Gates. Chemistry - A European Journal, 2013, 19, 10794-10798.	3.3	31
17	Degradation and Adsorption Characteristics of PHB Depolymerase As Revealed by Kinetics of Mutant Enzymes with Amino Acid Substitution in Substrate-Binding Domain. Biomacromolecules, 2010, 11, 113-119.	5.4	30
18	Real-Time Synchrotron SAXS and WAXD Studies on Annealing Behavior of Poly[(R)-3-hydroxybutyrate] Single Crystals. Macromolecules, 2006, 39, 2201-2208.	4.8	27

#	Article	IF	Citations
19	Synchrotron SAXS and WAXS Studies on Changes in Structural and Thermal Properties of Poly[(R)-3-hydroxybutyrate] Single Crystals during Heating. Macromolecular Rapid Communications, 2005, 26, 678-683.	3.9	24
20	Direct Observation of Poly(3-hydroxybutyrate) Depolymerase Adsorbed on Polyester Thin Film by Atomic Force Microscopy. Biomacromolecules, 2004, 5, 1642-1646.	5.4	22
21	Atomic Force Microscopic Observation of in Vitro Polymerized Poly[(R)-3-hydroxybutyrate]: Insight into Possible Mechanism of Granule Formation. Biomacromolecules, 2005, 6, 2671-2677.	5.4	21
22	Adsorption and Hydrolysis Reactions of Poly(hydroxybutyric acid) Depolymerases Secreted fromRalstoniapickettiiT1 andPenicilliumfuniculosumonto Poly[(R)-3-hydroxybutyric acid]. Biomacromolecules, 2007, 8, 2276-2281.	5.4	21
23	DNA Terminal Mismatchâ€Induced Stabilization of Polymer Micelles from RAFTâ€Generated Poly(Nâ€isopropylacrylamide)â€DNA Block Copolymers. Chemistry - an Asian Journal, 2013, 8, 3079-3084.	3.3	21
24	Interaction between Poly[(R)-3-hydroxybutyrate] Depolymerase and Biodegradable Polyesters Evaluated by Atomic Force Microscopy. Langmuir, 2005, 21, 11829-11835.	3.5	20
25	Structural Transition of Poly[(R)-3-hydroxybutyrate-co-(R)-3- hydroxyvalerate] Single Crystals on Heating As Revealed by Synchrotron Radiation SAXS and WAXD. Macromolecules, 2007, 40, 2392-2399.	4.8	20
26	Nanoparticles of Amorphous Ruthenium Sulfide Easily Obtainable from a TiO2-Supported Hexanuclear Cluster Complex [Ru6C(CO)16]2â^': A Highly Active Catalyst for the Reduction of SO2 with H2. Chemistry - A European Journal, 2002, 8, 3260.	3.3	19
27	Palladium(II)-exchanged hydroxyapatite-catalyzed Suzukiâ€“Miyaura-type cross-coupling reactions with potassium aryltrifluoroborates. Journal of Molecular Catalysis A, 2012, 352, 81-85.	4.8	19
28	Morphology of melt-crystallized poly(ethylene 2,6-naphthalate) thin films studied by transmission electron microscopy. Journal of Materials Research, 1999, 14, 251-258.	2.6	18
29	In situ observation of heterogeneous melting of poly[(R)-3-hydroxybutyrate] single crystals by temperature-controlled atomic force microscopy. Polymer Degradation and Stability, 2003, 81, 131-139.	5.8	17
30	Effects of Complementary DNA and Salt on the Thermoresponsiveness of Poly(N-isopropylacrylamide)-b-DNA. Langmuir, 2016, 32, 1148-1154.	3.5	17
31	Structural characterization of nanoparticles from thermoresponsive poly(N-isopropylacrylamide)-DNA conjugate. Journal of Colloid and Interface Science, 2012, 374, 315-320.	9.4	15
32	Realâ€Time Observations of Oriented Crystallization of Poly(Îµâ€caprolactone) Thin Film, Induced by an AFM Tip. Macromolecular Chemistry and Physics, 2007, 208, 1862-1870.	2.2	12
33	A TEM study on polyoxymethylene edge-on lamellae crystallized epitaxially on alkali halides. Polymer, 1999, 40, 2829-2836.	3.8	11
34	Adsorption effects of poly(hydroxybutyric acid) depolymerase on chain-folding surface of polyester single crystals revealed by mutant enzyme and frictional force microscopy. Polymer Degradation and Stability, 2007, 92, 176-183.	5.8	11
35	Morphology and Enzymatic Degradation of Oriented Thin Film of Ultrahigh Molecular Weight Poly[(R)-3-hydroxybutyrate]. Biomacromolecules, 2004, 5, 1787-1791.	5.4	10
36	Adsorption Characteristics of P(3HB) Depolymerase as Evaluated by Surface Plasmon Resonance and Atomic Force Microscopy. Biomacromolecules, 2008, 9, 3201-3207.	5.4	10

#	Article	IF	Citations
37	Fine Structures of Curved Edge-On Lamellae in Crystalline Thin Films of Isotactic Polystyrene As Revealed by Transmission Electron Microscopy. Macromolecules, 2001, 34, 4827-4833.	4.8	9
38	Perfectly Alternating Ethyleneâ˜'Carbon Monoxide Copolymer Crystallized Epitaxially on Alkali Halides. 3. Lamellar and Crystalline Core Thicknesses. Macromolecules, 2001, 34, 7724-7729.	4.8	7
39	A tem study on polyoxymethylene rodlike crystals grown epitaxially on NaCl. Journal of Macromolecular Science - Physics, 1997, 36, 681-687.	1.0	5
40	Visualized Polymers. Patterns Formed by Polymeric Systems. II. Morphology of Polymer Crystals Grown from Solutions Epitaxially on Alkali Halides.. Kobunshi Ronbunshu, 1999, 56, 786-796.	0.2	5
41	Self-association of zwitterionic polymerâ€"lipid conjugates in water as examined by scattering measurements. Journal of Colloid and Interface Science, 2013, 390, 47-53.	9.4	5
42	A nanobiosensor for the simple detection of small molecules using non-crosslinking aggregation of gold nanoparticles with G-quadruplexes. Analytical Methods, 2020, 12, 230-238.	2.7	5
43	Correlation between the Crystallite Modulus along Chain Axis and the Durability of Crystallinity against Electron Irradiation for Polymers. Nihon Reoroji Gakkaishi, 1997, 25, 235-238.	1.0	5
44	Perfectly Alternating Ethyleneâ˜'Carbon Monoxide Copolymer Crystallized Epitaxially on Alkali Halides. 1. Morphological Observation by TEM. Macromolecules, 1999, 32, 4383-4389.	4.8	4
45	Solution-Grown Single Crystals of Perfectly Alternating Ethyleneâ˜'Carbon Monoxide Copolymer. Macromolecules, 2001, 34, 6147-6151.	4.8	4
46	G-Quadruplex-Functionalized Gold Nanoparticles for a Real-Time Biomolecule Sensor with On-Demand Tunable Properties. Langmuir, 2022, 38, 4870-4878.	3.5	4
47	DNA-grafted-polymer mediated self-assembly of micro components. , 2010, , .		1
48	Electrochemical Impedimetric Study of Non-Watsonâ€"Crick Base Pairs of DNA. Analytical Sciences, 2021, 37, 765-771.	1.6	1
49	Perfectly alternating ethyleneâ€"carbon monoxide copolymer crystallized epitaxially on alkali halides. 2. Energy calculation. Polymer, 2002, 43, 7307-7313.	3.8	0
50	Dynamic Structural Analysis of Biodegradable Polyester Crystals by Synchrotron Radiation X-ray. Nippon Gomu Kyokaishi, 2008, 81, 23-28.	0.0	0