Takashi Nishino

List of Publications by Citations

171 papers	7,454 citations	35 h-index	84 g-index
180 ext. papers	8,132 ext. citations	3.9 avg, IF	5.84 L-index

#	Paper	IF	Citations
171	Cellulose nanopaper structures of high toughness. *Biomacromolecules*, **2008**, 9, 1579-85	6.9	949
170	The Lowest Surface Free Energy Based on CF3 Alignment. *Langmuir*, **1999**, 15, 4321-4323	4	936
169	All-Cellulose Composite. *Macromolecules*, **2004**, 37, 7683-7687	5.5	639
168	Kenaf reinforced biodegradable composite. *Composites Science and Technology*, **2003**, 63, 1281-1286	8.6	503
167	Elastic modulus of the crystalline regions of cellulose polymorphs. *Journal of Polymer Science, Part B: Polymer Physics*, **1995**, 33, 1647-1651	2.6	433
166	Nanoscale cellulose films with different crystallinities and mesostructures--their surface properties and interaction with water. *Langmuir*, **2009**, 25, 7675-85	4	277
165	Cellulose nanofiber orientation in nanopaper and nanocomposites by cold drawing. *ACS Applied Materials & Interfaces*, **2012**, 4, 1043-9	9.5	259
164	Poly(vinyl alcohol) Nanocomposites with Nanodiamond. *Macromolecules*, **2011**, 44, 4415-4421	5.5	198
163	All-cellulose composite prepared by selective dissolving of fiber surface. *Biomacromolecules*, **2007**, 8, 2712-6	6.9	184
162	All-cellulose nanocomposites by surface selective dissolution of bacterial cellulose. *Cellulose*, **2009**, 16, 435-444	5.5	145
161	Poly(vinyl alcohol)/graphene oxide nanocomposites prepared by a simple eco-process. *Polymer Journal*, **2012**, 44, 1056-1063	2.7	98
160	Elastic modulus of the crystalline regions of chitin and chitosan. *Journal of Polymer Science, Part B: Polymer Physics*, **1999**, 37, 1191-1196	2.6	92
159	Direct fabrication of all-cellulose nanocomposite from cellulose microfibers using ionic liquid-based nanowelding. *Biomacromolecules*, **2011**, 12, 4080-5	6.9	88
158	Comparative effect of mechanical beating and nanofibrillation of cellulose on paper properties made from bagasse and softwood pulps. *Carbohydrate Polymers*, **2013**, 97, 725-30	10.3	83
157	Stretchable and strong cellulose nanopaper structures based on polymer-coated nanofiber networks: an alternative to nonwoven porous membranes from electrospinning. *Biomacromolecules* , **2012**, 13, 3661-7	6.9	81
156	All-cellulose composites of regenerated cellulose fibres by surface selective dissolution. *Composites Part A: Applied Science and Manufacturing*, **2009**, 40, 321-328	8.4	78
155	All-cellulose composite and nanocomposite made from partially dissolved micro- and nanofibers of canola straw. *Polymer Journal*, **2011**, 43, 559-564	2.7	70

154	Effects of film-forming conditions on surface properties and structures of diblock copolymer with perfluoroalkyl side chains. *Langmuir*, **2005**, 21, 2614-8	4	70
153	Formation and Growth of Copper Nanoparticles from Ion-Doped Precursor Polyimide Layers. *Journal of Physical Chemistry B*, **2004**, 108, 15599-15607	3.4	70
152	Surface properties and structures of diblock copolymer and homopolymer with perfluoroalkyl side chains. *Journal of Colloid and Interface Science*, **2005**, 283, 533-8	9.3	68
151	Ecological approach to graphene oxide reinforced poly (methyl methacrylate) nanocomposites. *ACS Applied Materials & Interfaces*, **2012**, 4, 3596-601	9.5	67
150	Microphase separation and surface properties of segmented polyurethanes. Effect of hard segment content. *International Journal of Adhesion and Adhesives*, **1996**, 16, 233-239	3.4	67
149	Identification and functional characterization of a novel barnacle cement protein. *FEBS Journal*, **2007**, 274, 4336-46	5.7	65
148	A Study upon Durability of the Artificial Knee Joint with PVA Hydrogel Cartilage. *JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing*, **2004**, 47, 199-208		60
147	Elastic modulus of crystalline regions of polyethylene with different microstructures: Experimental proof of homogeneous stress distribution. *Journal of Macromolecular Science - Physics*, **1991**, 30, 1-23	1.4	57
146	Surface structure of isotactic polypropylene by X-ray diffraction. *Polymer Engineering and Science*, **2000**, 40, 336-343	2.3	55
145	Surface properties and structures of diblock and random copolymers with perfluoroalkyl side chains. *Journal of Colloid and Interface Science*, **2004**, 279, 364-9	9.3	51
144	A non-solvent approach for high-stiffness all-cellulose biocomposites based on pure wood cellulose. *Composites Science and Technology*, **2010**, 70, 1704-1712	8.6	49
143	Experimental Determination of the Elastic Modulus of Crystalline Regions of Some Aromatic Polyamides, Aromatic Polyesters, and Aromatic Polyether Ketone. *Polymer Journal*, **1987**, 19, 451-459	2.7	47
142	Elastic modulus of the crystalline regions of poly(ethylene-2,6-naphthalate). *Polymer*, **1993**, 34, 3322-3324	3.9	42
141	Uniaxial drawing of poly(vinyl alcohol)/graphene oxide nanocomposites. *Carbon*, **2014**, 70, 38-45	10.4	41
140	X-ray diffraction studies on stress transfer of kenaf reinforced poly(l-lactic acid) composite. *Composites Part A: Applied Science and Manufacturing*, **2006**, 37, 2269-2273	8.4	39
139	Crystal modulus of poly (lactic acid)s, and their stereocomplex. *Polymer*, **2018**, 138, 124-131	3.9	38
138	Nacre-mimetic clay/xyloglucan bionanocomposites: a chemical modification route for hygromechanical performance at high humidity. *Biomacromolecules*, **2013**, 14, 3842-9	6.9	38
137	Lysozyme loading and release from hydrogels carrying pendant phosphate groups. *Journal of Biomaterials Science, Polymer Edition*, **1997**, 9, 43-53	3.5	36

136	Synthesis of High-molecular-weight Head-to-tail-type Poly(3-substituted-thiophene)s by Cross-coupling Polycondensation with [CpNiCl(NHC)] as a Catalyst. *Chemistry Letters*, **2013**, 42, 281-283	1.7	35
135	Characterization of cellulose nanofiber sheets from different refining processes. *Cellulose*, **2016**, 23, 403-414	5.5	33
134	Melt processing of poly(vinyl alcohol) through blending with sugar pendant polymer. *Polymer*, **2002** , 43, 2869-2873	3.9	33
133	Potency of double-layered poly L-lactic acid scaffold in tissue engineering of tendon tissue. *International Orthopaedics*, **2010**, 34, 1327-32	3.8	29
132	Strong and Tough Chitin Film from Chitin Nanofibers Prepared by High Pressure Homogenization and Chitosan Addition. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 1692-1697	8.3	29
131	Synthesis of Poly(3-substituted thiophene)s of Remarkably High Solubility in Hydrocarbon via Nickel-Catalyzed Deprotonative Cross-Coupling Polycondensation. *Macromolecules*, **2016**, 49, 1259-1269	5.5	28
130	Elastic modulus of crystalline regions of poly(ether ether ketone), poly(ether ketone) and poly(p-phenylene sulphide). *Polymer*, **1992**, 33, 736-743	3.9	28
129	All-aramid composites by partial fiber dissolution. *ACS Applied Materials & Interfaces*, **2010**, 2, 919-26	5.5	27
128	Temperature dependence of the elastic modulus of the crystalline regions of poly(ethylene 2,6-naphthalate). *Polymer*, **1995**, 36, 1401-1405	3.9	27
127	Simple method for lowering poly(methyl methacrylate) surface energy with fluorination. *Polymer Journal*, **2015**, 47, 66-70	2.7	26
126	Acetylation of plant cellulose fiber in supercritical carbon dioxide. *Polymer*, **2011**, 52, 830-836	3.9	26
125	Water-repellent all-cellulose nanocomposite using silane coupling treatment. *Journal of Adhesion Science and Technology*, **2013**, 27, 1324-1334	2	25
124	Application of layered poly (L-lactic acid) cell free scaffold in a rabbit rotator cuff defect model. *The Sports Medicine, Arthroscopy, Rehabilitationrapy and Technology*, **2011**, 3, 29		25
123	In situ observation of surface deformation of polymer films by atomic force microscopy. *Review of Scientific Instruments*, **2000**, 71, 2094-2096	1.7	25
122	Poly(vinyl alcohol) with low surface free energy by fluorination. *International Journal of Adhesion and Adhesives*, **1999**, 19, 399-403	3.4	25
121	Temperature dependence of the elastic modulus of crystalline regions of polyoxymethylene. *Polymer*, **1990**, 31, 1909-1918	3.9	25
120	Temperature dependence of the elastic modulus of crystalline regions of Poly(ethylene terephthalate). *Journal of Macromolecular Science - Physics*, **1988**, 27, 407-420	1.4	25
119	Synthesis and characterization of stimuli-sensitive hydrogels having a different length of ethylene glycol chains carrying phosphate groups: loading and release of lysozyme. *Journal of Biomaterials Science, Polymer Edition*, **2004**, 15, 1435-46	3.5	23

118	Elucidation of Chiral Symmetry Breaking in a Racemic Polymer System with Terahertz Vibrational Spectroscopy and Crystal Orbital Density Functional Theory. *Journal of Physical Chemistry Letters*, **2016**, 7, 4671-4676	6.4	22
117	Studies on the temperature dependence of the elastic modulus of crystalline regions of polymers: 14. Poly(vinyl alcohol) with different tacticities. *Polymer*, **1992**, 33, 2581-2586	3.9	22
116	Reinforcement Effects from Nanodiamond in Cellulose Nanofibril Films. *Biomacromolecules*, **2018**, 19, 2423-2431	6.9	21
115	Mechanical properties of poly(vinyl chloride)/silane-treated glass beads composite: effects of organofunctional group and alkoxy group numbers of silane coupling agent. *Composite Interfaces*, **2002**, 9, 273-287	2.3	21
114	Mechanical, Thermal, and Electrical Properties of Flexible Polythiophene with Disiloxane Side Chains. *Macromolecular Chemistry and Physics*, **2017**, 218, 1700197	2.6	20
113	Relationships between interfacial properties and structure of segmented polyurethane having functional groups. *International Journal of Adhesion and Adhesives*, **1999**, 19, 345-351	3.4	20
112	Elastic modulus of the crystalline regions of cellulose triesters. *Journal of Polymer Science, Part B: Polymer Physics*, **1995**, 33, 611-618	2.6	20
111	Preparation of Furan Dimer-based Biopolyester Showing High Melting Points. *Chemistry Letters*, **2017**, 46, 1535-1538	1.7	18
110	Crystal Modulus of Poly(glycolic acid) and Its Temperature Dependence. *Macromolecules*, **2017**, 50, 5074-5079	5.5	18
109	Surfactant-induced polymer segregation to produce antifouling surfaces via dip-coating with an amphiphilic polymer. *Langmuir*, **2015**, 31, 125-31	4	17
108	Display of amino groups on substrate surfaces by simple dip-coating of methacrylate-based polymers and its application to DNA immobilization. *Langmuir*, **2013**, 29, 932-8	4	17
107	Direct conversion of raw wood to TEMPO-oxidized cellulose nanofibers. *Carbohydrate Polymers*, **2021**, 262, 117938	10.3	16
106	Synthesis of furan dimer-based polyamides with a high melting point. *Journal of Polymer Science Part A*, **2018**, 56, 1516-1519	2.5	15
105	All-Cellulose Nanocomposite Made from Nanofibrillated Cellulose. *Advanced Composites Letters*, **2010**, 19, 096369351001900	1.2	15
104	Incorporation of methyl groups into hard segments of segmented polyurethane: microphase separation and adhesive properties. *International Journal of Adhesion and Adhesives*, **2001**, 21, 71-75	3.4	15
103	Poisson's ratio of the crystal lattice of poly(p-phenylene terephthalamide) by X-ray diffraction. *Polymer*, **1992**, 33, 4898-4900	3.9	15
102	Studies on the temperature dependence of the elastic moduli of crystalline regions of polymers. VII. Temperature dependence of the elastic modulus of crystalline regions of Nylon 6.. *Kobunshi Ronbunshu*, **1987**, 44, 421-428	0	15
101	Temperature dependence of the elastic modulus of crystalline regions of poly(p-phenylene terephthalamide).. *Kobunshi Ronbunshu*, **1986**, 43, 499-506	0	15

100	Effect of aspect ratio of graphene oxide on properties of poly (vinyl alcohol) nanocomposites. *Nanocomposites*, **2019**, 5, 84-93	3.4	14
99	Layered perovskite nanosheets bearing fluoroalkoxy groups: their preparation and application in epoxy-based hybrids. *RSC Advances*, **2014**, 4, 26932-26939	3.7	14
98	Microstructures of BPDA-PPD polyimide thin films with different thicknesses. *Polymer*, **2013**, 54, 2435-2439	3.9	14
97	Strong reinforcement effects of nanodiamond on mechanical and thermal properties of polyamide 66. *Composites Science and Technology*, **2020**, 199, 108356	8.6	14
96	One-Step Biotinylation of Cellulose Paper by Polymer Coating to Prepare a Paper-Based Analytical Device. *Analytical Chemistry*, **2020**, 92, 1978-1987	7.8	13
95	Cellulose nanofiber nanocomposites with aligned silver nanoparticles. *Nanocomposites*, **2018**, 4, 167-177	3.4	13
94	Cryogenic Mechanical Behavior of Poly(trimethylene terephthalate). *Macromolecules*, **2011**, 44, 2106-2115	5.5	12
93	Wear Characteristics of a Novel Bearing System for Artificial Knee Joint (Micro-Pocket-Covered Femoral Component and Tibial Poro-Elastic-Hydrated Cartilage). *JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing*, **2004**, 47, 209-217		12
92	Molecular weight effect on surface and bulk structure of poly(3-hexylthiophene) thin films. *Polymer* , **2017**, 119, 76-82	3.9	11
91	Ultradrawing of poly (vinyl alcohol)/Graphene oxide nanocomposite fibers toward high mechanical performances. *Composites Science and Technology*, **2017**, 152, 159-164	8.6	11
90	Interfacial structure of all-polyethylene laminate using scanning thermal microscope and nano-Raman spectroscope. *Polymer*, **2012**, 53, 1966-1971	3.9	11
89	Temperature dependence of the elastic modulus of crystalline regions of isotactic poly(4-methyl-1-pentene). *Journal of Macromolecular Science - Physics*, **1991**, 30, 47-62	1.4	11
88	A low-fouling polymer surface prepared by controlled segregation of poly(ethylene oxide) and its functionalization with biomolecules. *Polymer Journal*, **2015**, 47, 328-333	2.7	10
87	High-pressure-synthesis of poly(isopropenyl alcohol) and its biocompatibilities. *Journal of Polymer Science Part A*, **2009**, 47, 754-761	2.5	10
86	In situ observation of filler displacement during tensile deformation of nanosilica-filled natural rubber using field-emission scanning electron microscope. *Composites Part A: Applied Science and Manufacturing*, **2009**, 40, 232-234	8.4	10
85	Papyrus reinforced poly(L-lactic acid) composite. *Advanced Composite Materials*, **2007**, 16, 259-267	2.8	10
84	Adhesive ability and solvent solubility of propylene-butene copolymers modified with maleic anhydride. *International Journal of Adhesion and Adhesives*, **1999**, 19, 367-371	3.4	10
83	Elastic modulus of the crystalline regions of Tussah silk. *Polymer*, **1992**, 33, 1328-1329	3.9	10

82	Studies on mechanical properties of polymer composites by X-ray diffraction. I. Residual stress in epoxy resin by X-ray diffraction. *Journal of Applied Polymer Science*, **1990**, 40, 2231-2238	2.9	10
81	Surface properties of O2-plasma-treated thermoplastic fluoroelastomers under mechanical stretching. *Polymer*, **2009**, 50, 3245-3249	3.9	9
80	Elastic Modulus of the Crystalline Regions of Poly (p-phenylene terephthalamide) Single Fiber Using SPring-8 Synchrotron Radiation. *Polymer Journal*, **2007**, 39, 1295-1299	2.7	9
79	Studies on mechanical properties of polymer composites by X-ray diffraction: 3. Mechanism of stress transmission in particulate epoxy composite by X-ray diffraction. *Polymer*, **1992**, 33, 2720-2724	3.9	9
78	Stress transmission in silica particulate epoxy composite by X-ray diffraction. *Polymer*, **1992**, 33, 5167-5172	3.9	9
77	Elastic moduli of crystalline region of polytrimethylene terephthalate.. *Zairyo/Journal of the Society of Materials Science, Japan*, **1986**, 35, 1066-1070	0.1	9
76	Quantification of Amino Groups on Solid Surfaces Using Cleavable Fluorescent Compounds. *Langmuir*, **2015**, 31, 8824-9	4	8
75	Highly water repellent but highly adhesive surface with segregation of poly(ethylene oxide) side chains. *Langmuir*, **2015**, 31, 209-14	4	8
74	All-cellulose Composites. *Materials and Energy*, **2014**, 201-216		8
73	Crystal modulus of a new semiaromatic polyamide 9-T. *Polymer Engineering and Science*, **2012**, 52, 331-337	2.3	8
72	Miscibility of segmented polyurethane/poly(vinyl chloride) blends. *Journal of Applied Polymer Science*, **2001**, 82, 3022-3029	2.9	8
71	Elastic modulus of the crystalline regions of polyimide derived from poly(amic acid)□iphtalic dianhydride and p-phenylene diamine. *Journal of Polymer Science, Part B: Polymer Physics*, **1999**, 37, 3294-3301	2.6	8
70	Temperature dependence of the elastic moduli of crystalline regions of isotactic polypropylene.. *Kobunshi Ronbunshu*, **1985**, 42, 241-247	0	8
69	Mechanical and thermal properties of cellulose nanofiber composites with nanodiamond as nanocarbon filler. *Nanocomposites*, **2018**, 4, 127-136	3.4	8
68	Controlling Surface Segregation of a Polymer To Display Carboxy Groups on an Outermost Surface Using Perfluoroacyl Groups. *Langmuir*, **2018**, 34, 6396-6404	4	7
67	Synthesis and Properties of Regioregular Polythiophene Bearing Cyclic Siloxane Moiety at the Side Chain and the Formation of Polysiloxane Gel by Acid Treatment of the Thin Film. *Chemistry Letters*, **2019**, 48, 611-614	1.7	7
66	Interfacial structure of poly-□olefin laminate by using scanning thermal microscope. *Thermochimica Acta*, **2012**, 531, 1-5	2.9	7
65	Interfacial structure analysis of polymer laminate using SPring-8 X-ray microbeam. *Composite Interfaces*, **2007**, 14, 63-72	2.3	7

64	X-ray diffraction studies of the environmental deterioration of a transversely loaded carbon-fibre-reinforced composite. *Composites Science and Technology*, **2001**, 61, 2455-2459	8.6	7
63	X-ray diffraction of polymer under load at cryogenic temperature. *Review of Scientific Instruments*, **2002**, 73, 1809-1812	1.7	7
62	Elastic modulus of the crystalline regions of ethylene-vinyl alcohol copolymers. *Polymer*, **1995**, 36, 959-966	3.9	7
61	Pressure Dependence of the Curing Behavior of Epoxy Resin. *Polymer Journal*, **1991**, 23, 1157-1162	2.7	7
60	Residual stress in particulate epoxy resin by X-ray diffraction. *Journal of Applied Polymer Science*, **1992**, 45, 1239-1244	2.9	7
59	Fabrication and characterization of elastomeric semiconductive thiophene polymers by peroxide crosslinking. *Polymer Journal*, **2019**, 51, 257-263	2.7	7
58	Adhesive interphase analyses of isotactic polypropylene and cyanoacrylate with cobalt complex primers. *Polymer*, **2018**, 137, 63-71	3.9	6
57	Tuned Surface and Mechanical Properties of Polymeric Film Prepared by Random Copolymers Consisting of Methacrylate-POSS and 2-(Methacryloyloxy)ethyl Phosphorylcholine. *Macromolecular Chemistry and Physics*, **2018**, 219, 1700572	2.6	6
56	??????????????????????????. *Kobunshi Ronbunshu*, **1983**, 40, 357-361	0	6
55	Studies on the temperature dependence of the elastic moduli of crystalline regions of polymers. II. Temperature dependence of the elastic modulus of crystalline regions of poly(ethylene oxybenzoate).. *Kobunshi Ronbunshu*, **1985**, 42, 361-366	0	6
54	Studies on the temperature dependence of the elastic moduli of crystalline regions of polymers. IV. Temperature dependence of the elastic modulus of crystalline regions of poly(vinyl alcohol).. *Kobunshi Ronbunshu*, **1986**, 43, 133-138	0	6
53	Stress Transfer of Poly (VinylAlcohol) / Montmorillonite Nano composite Using X-ray Diffraction. *Journal of the Adhesion Society of Japan*, **2010**, 46, 320-324	0.1	6
52	Stress Transfer in High Performance Polyethylene Fiber Reinforced Epoxy Resin Composite Analyzed by X-Ray Diffraction. In the Direction Perpendicular to the Fiber Axis.. *Zairyo/Journal of the Society of Materials Science, Japan*, **1998**, 47, 293-298	0.1	6
51	Surface-functionalization of isotactic polypropylene via dip-coating with a methacrylate-based terpolymer containing perfluoroalkyl groups and poly(ethylene glycol). *Polymer Journal*, **2019**, 51, 489-499	2.7	6
50	Collagen/Cellulose Nanofiber Blend Scaffolds Prepared at Various pH Conditions.. *ACS Applied Bio Materials*, **2018**, 1, 1362-1368	4.1	6
49	Effect of the graft density of cellulose diacetate-modified layered perovskite nanosheets on mechanical properties of the transparent organic–inorganic hybrids bearing covalent bonds at the interface. *Cellulose*, **2017**, 24, 5463-5473	5.5	5
48	Effects of Non-covalent Interactions on Molecular and Polymer Individuality in Crystals Studied by THz Spectroscopy and Solid-State Density Functional Theory **2019**, 459-495		5
47	Enhancement of adhesion by applying amine primer to isotactic polypropylene and open time dependence of primer effect. *International Journal of Adhesion and Adhesives*, **2018**, 84, 173-177	3.4	5

46	The Application of X-Ray Diffraction Method to the Measurement of Crystal Deformation and Crystal Modulus of High Polymers. *Advances in X-ray Analysis*, **1991**, 35, 545-552		5
45	Measurement of the elastic moduli of amorphous atactic polystyrene by X-ray diffraction.. *Kobunshi Ronbunshu*, **1985**, 42, 211-217	0	5
44	Surface Modification of Poly(ether ether ketone) through Friedel-Crafts Reaction for High Adhesion Strength. *Langmuir*, **2019**, 35, 9761-9768	4	4
43	Acrylic pressure-sensitive adhesives with nanodiamonds and acid–base dependence of the pressure-sensitive adhesive properties. *Journal of Applied Polymer Science*, **2018**, 135, 46349	2.9	4
42	In situ AFM Observation of Surface Deformation of Polyimide Film. *Nihon Reoroji Gakkaishi*, **2004**, 32, 211-214	0.8	4
41	Interfacial and mechanical properties of □Fe2O3/segmented polyurethane/poly(vinyl chloride) composites. *Journal of Applied Polymer Science*, **2001**, 82, 3030-3035	2.9	4
40	Studies on the temperature dependence of the elastic modulus of crystalline regions of polymers. IX. Temperature dependence of the elastic modulus of crystalline regions of polytetrahydrofuran.. *Kobunshi Ronbunshu*, **1988**, 45, 979-984	0	4
39	Elastic modulus of crystalline regions of poly (□trichloromethyl-□propiolactone) in the direction parallel to the chain axis obtained by solid-state polymerization. *Journal of Macromolecular Science - Physics*, **1983**, 22, 591-600	1.4	4
38	Temperature dependence of the elastic modulus of crystalline regions of polyethylene in the direction perpendicular to the chain axis.. *Kobunshi Ronbunshu*, **1986**, 43, 881-888	0	4
37	I : Structures and Critical Mechanical Properties of Celluloses. *Zairyo/Journal of the Society of Materials Science, Japan*, **2008**, 57, 97-103	0.1	4
36	Surface Modification and Adhesion Mechanism of Polypropylene with Low-Energy Electron-Beam Treatments. *Langmuir*, **2020**, 36, 10846-10852	4	4
35	Effect of Solvent Combination on Electrospun Stereocomplex Polylactic Acid Nanofiber Properties. *Macromolecular Symposia*, **2020**, 391, 1900134	0.8	3
34	Temperature dependence of the stress transfer for thermal resistance polymer composites by X-ray diffraction. *Composite Interfaces*, **2002**, 9, 309-318	2.3	3
33	Elastic modulus of the crystalline regions of thermoplastic polyimide. *High Performance Polymers*, **1995**, 7, 371-376	1.6	3
32	Elastic modulus of crystalline regions of aromatic co-polyamides.. *Kobunshi Ronbunshu*, **1988**, 45, 573-579		3
31	Organogelators of 5,17-Difunctionalized Calix[4]arenes. *Chemistry Letters*, **2019**, 48, 43-46	1.7	2
30	Effect of aromatic substitution on the cure reaction and network properties of anhydride cured triphenyl ether tetraglycidyl epoxy resins. *Polymers for Advanced Technologies*, **2019**, 30, 1525-1537	3.2	2
29	Preparation and characterization of cellulose nanofiber cryogels as oil absorbents and enzymatic lipolysis scaffolds. *Carbohydrate Research*, **2020**, 493, 108020	2.9	2

28	On-demand easy peeling of acrylic adhesives containing ionic liquids through a microwave irradiation stimulus. *Polymer Journal*, **2018**, 50, 1051-1056	2.7	2
27	Surface Deformation Analysis of Poly(Ethylene Terephthalate) With a Different Draw Ratio Using Atomic Force Microscopy. *Journal of Macromolecular Science - Physics*, **2013**, 52, 1861-1869	1.4	2
26	Preparation and mechanical properties of well-aligned and well-oriented poly(vinyl alcohol) nanoribbon. *Polymers for Advanced Technologies*, **2009**, 20, 258-262	3.2	2
25	Measurement Methods of Residual Stress. *Journal of the Adhesion Society of Japan*, **2003**, 39, 24-29	0.1	2
24	??????????????????????????????????????. *Kobunshi Ronbunshu*, **1983**, 40, 475-478	0	2
23	Stress Transfer in High Performance Polyethylene Fiber Reinforced Epoxy Resin Composite Analyzed by X-Ray Diffraction. In the Direction Parallel to the Fiber Axis.. *Zairyo/Journal of the Society of Materials Science, Japan*, **1998**, 47, 1083-1087	0.1	2
22	Crystal Moduli of High Polymers and Their Temperature Dependence **1991**, 121-130		2
21	Alternative Aspects of Polythiophenes **2019**, 153-165		2
20	Strong, tough, transparent and highly heat-resistant acrylic glass based on nanodiamond. *Polymer*, **2021**, 222, 123661	3.9	2
19	Analyses of the Adhesion Interphase of Isotactic Polypropylene Using Hot-Melt Polyolefin Adhesives. *Macromolecules*, **2021**, 54, 7226-7233	5.5	2
18	Formal preparation of regioregular and alternating thiophene-thiophene copolymers bearing different substituents. *Beilstein Journal of Organic Chemistry*, **2020**, 16, 317-324	2.5	2
17	Really smart bioconjugates of smart polymers and receptor proteins **2000**, 52, 577		2
16	Scaling of Wear Resistance of Rubber Compounds for Tires Using Rubber Properties. *Nippon Gomu Kyokaishi*, **2013**, 86, 3-7	0	1
15	Elastic moduli of crystalline regions of poly(ether ether ketone).. *Journal of Fiber Science and Technology*, **1987**, 43, 277-282	0	1
14	High Performance Polymer Composites with Nanocarbon Materials. *Journal of Fiber Science and Technology*, **2013**, 69, P_70-P_76	0	1
13	X-ray Diffraction Analyses on Stress Transfer Through Polymer Composites Interface. *Journal of the Adhesion Society of Japan*, **2012**, 48, 48-57	0.1	1
12	Structural deformation of elastic polythiophene with disiloxane moieties under stretching. *Polymer Journal*, **2020**, 52, 1273-1278	2.7	1
11	Butyralization of poly(vinyl alcohol) under supercritical carbon dioxide for a humidity-resistant adhesive to glass substrates. *Polymer Journal*, **2020**, 52, 1349-1356	2.7	1

10	Conductive casting films based on an octasilicate-core dendrimer containing the mixed-valence state TCNQ on the periphery. *RSC Advances*, **2016**, 6, 114513-114518	3.7	1
9	Elastic modulus of the crystalline regions of chitin and chitosan **1999**, 37, 1191		1
8	Preparation, Microstructure, and Properties of Biofibers **2013**, 109-131		0
7	Stress-transfer analyses in cellulose nanofiber/montmorillonite nanocomposites with X-ray diffraction and chemical interaction between cellulose nanofiber and montmorillonite. *Cellulose*, **2022**, 29, 2949	5.5	0
6	Deformation of Rubber and Surfaces. *Nippon Gomu Kyokaishi*, **2017**, 90, 237-242	0	
5	All-cellulose Nanocomposites using Cellulose Nanofibers. *Nippon Gomu Kyokaishi*, **2013**, 86, 28-34	0	
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3	A214 Manufacturing of Porous Scaffold for Bone Regeneration using X-ray CT Images. *The Proceedings of the JSME Conference on Frontiers in Bioengineering*, **2005**, 2005.16, 115-116	0	
2	Fundamentals of Polymer Interphases and Adhesion. *Seikei-Kakou*, **2018**, 30, 98-102	0	
1	Stabilization of Enzyme by Polymer with Pendant Monosaccharide **1996**, 293-294		