

# Takashi Nishino

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Stress-transfer analyses in cellulose nanofiber/montmorillonite nanocomposites with X-ray diffraction and chemical interaction between cellulose nanofiber and montmorillonite. <i>Cellulose</i> , <b>2022</b> , 29, 2949	5.5	0
170	Strong, tough, transparent and highly heat-resistant acrylic glass based on nanodiamond. <i>Polymer</i> , <b>2021</b> , 222, 123661	3.9	2
169	Analyses of the Adhesion Interphase of Isotactic Polypropylene Using Hot-Melt Polyolefin Adhesives. <i>Macromolecules</i> , <b>2021</b> , 54, 7226-7233	5.5	2
168	Direct conversion of raw wood to TEMPO-oxidized cellulose nanofibers. <i>Carbohydrate Polymers</i> , <b>2021</b> , 262, 117938	10.3	16
167	Preparation and characterization of cellulose nanofiber cryogels as oil absorbents and enzymatic lipolysis scaffolds. <i>Carbohydrate Research</i> , <b>2020</b> , 493, 108020	2.9	2
166	Effect of Solvent Combination on Electrospun Stereocomplex Polylactic Acid Nanofiber Properties. <i>Macromolecular Symposia</i> , <b>2020</b> , 391, 1900134	0.8	3
165	One-Step Biotinylation of Cellulose Paper by Polymer Coating to Prepare a Paper-Based Analytical Device. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 1978-1987	7.8	13
164	Structural deformation of elastic polythiophene with disiloxane moieties under stretching. <i>Polymer Journal</i> , <b>2020</b> , 52, 1273-1278	2.7	1
163	Strong reinforcement effects of nanodiamond on mechanical and thermal properties of polyamide 66. <i>Composites Science and Technology</i> , <b>2020</b> , 199, 108356	8.6	14
162	Butyralization of poly(vinyl alcohol) under supercritical carbon dioxide for a humidity-resistant adhesive to glass substrates. <i>Polymer Journal</i> , <b>2020</b> , 52, 1349-1356	2.7	1
161	Surface Modification and Adhesion Mechanism of Polypropylene with Low-Energy Electron-Beam Treatments. <i>Langmuir</i> , <b>2020</b> , 36, 10846-10852	4	4
160	Formal preparation of regioregular and alternating thiophene-thiophene copolymers bearing different substituents. <i>Beilstein Journal of Organic Chemistry</i> , <b>2020</b> , 16, 317-324	2.5	2
159	Effect of aspect ratio of graphene oxide on properties of poly (vinyl alcohol) nanocomposites. <i>Nanocomposites</i> , <b>2019</b> , 5, 84-93	3.4	14
158	Organogelators of 5,17-Difunctionalized Calix[4]arenes. <i>Chemistry Letters</i> , <b>2019</b> , 48, 43-46	1.7	2
157	Surface Modification of Poly(ether ether ketone) through Friedel-Crafts Reaction for High Adhesion Strength. <i>Langmuir</i> , <b>2019</b> , 35, 9761-9768	4	4
156	Effects of Non-covalent Interactions on Molecular and Polymer Individuality in Crystals Studied by THz Spectroscopy and Solid-State Density Functional Theory <b>2019</b> , 459-495		5
155	Effect of aromatic substitution on the cure reaction and network properties of anhydride cured triphenyl ether tetraglycidyl epoxy resins. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 1525-1537	3.2	2

154	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. <i>Chemistry Letters</i> , <b>2019</b> , 48, 611-614	1.7	7
153	Alternative Aspects of Polythiophenes <b>2019</b> , 153-165		2
152	Surface-functionalization of isotactic polypropylene via dip-coating with a methacrylate-based terpolymer containing perfluoroalkyl groups and poly(ethylene glycol). <i>Polymer Journal</i> , <b>2019</b> , 51, 489-497	3.7	6
151	Fabrication and characterization of elastomeric semiconductive thiophene polymers by peroxide crosslinking. <i>Polymer Journal</i> , <b>2019</b> , 51, 257-263	2.7	7
150	Strong and Tough Chitin Film from Chitin Nanofibers Prepared by High Pressure Homogenization and Chitosan Addition. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 1692-1697	8.3	29
149	Reinforcement Effects from Nanodiamond in Cellulose Nanofibril Films. <i>Biomacromolecules</i> , <b>2018</b> , 19, 2423-2431	6.9	21
148	Crystal modulus of poly (lactic acid)s, and their stereocomplex. <i>Polymer</i> , <b>2018</b> , 138, 124-131	3.9	38
147	Adhesive interphase analyses of isotactic polypropylene and cyanoacrylate with cobalt complex primers. <i>Polymer</i> , <b>2018</b> , 137, 63-71	3.9	6
146	Tuned Surface and Mechanical Properties of Polymeric Film Prepared by Random Copolymers Consisting of Methacrylate-POSS and 2-(Methacryloyloxy)ethyl Phosphorylcholine. <i>Macromolecular Chemistry and Physics</i> , <b>2018</b> , 219, 1700572	2.6	6
145	Synthesis of furan dimer-based polyamides with a high melting point. <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 1516-1519	2.5	15
144	Acrylic pressure-sensitive adhesives with nanodiamonds and acidBase dependence of the pressure-sensitive adhesive properties. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46349	2.9	4
143	Enhancement of adhesion by applying amine primer to isotactic polypropylene and open time dependence of primer effect. <i>International Journal of Adhesion and Adhesives</i> , <b>2018</b> , 84, 173-177	3.4	5
142	Controlling Surface Segregation of a Polymer To Display Carboxy Groups on an Outermost Surface Using Perfluoroacyl Groups. <i>Langmuir</i> , <b>2018</b> , 34, 6396-6404	4	7
141	On-demand easy peeling of acrylic adhesives containing ionic liquids through a microwave irradiation stimulus. <i>Polymer Journal</i> , <b>2018</b> , 50, 1051-1056	2.7	2
140	Fundamentals of Polymer Interphases and Adhesion. <i>Seikei-Kakou</i> , <b>2018</b> , 30, 98-102	0	
139	Mechanical and thermal properties of cellulose nanofiber composites with nanodiamond as nanocarbon filler. <i>Nanocomposites</i> , <b>2018</b> , 4, 127-136	3.4	8
138	Cellulose nanofiber nanocomposites with aligned silver nanoparticles. <i>Nanocomposites</i> , <b>2018</b> , 4, 167-177	3.4	13
137	Collagen/Cellulose Nanofiber Blend Scaffolds Prepared at Various pH Conditions.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 1362-1368	4.1	6

136	Molecular weight effect on surface and bulk structure of poly(3-hexylthiophene) thin films. <i>Polymer</i> , <b>2017</b> , 119, 76-82	3.9	11
135	Ultradrawing of poly (vinyl alcohol)/Graphene oxide nanocomposite fibers toward high mechanical performances. <i>Composites Science and Technology</i> , <b>2017</b> , 152, 159-164	8.6	11
134	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. <i>Cellulose</i> , <b>2017</b> , 24, 5463-5473	5.5	5
133	Deformation of Rubber and Surfaces. <i>Nippon Gomu Kyokaishi</i> , <b>2017</b> , 90, 237-242	0	
132	Mechanical, Thermal, and Electrical Properties of Flexible Polythiophene with Disiloxane Side Chains. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1700197	2.6	20
131	Preparation of Furan Dimer-based Biopolyester Showing High Melting Points. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1535-1538	1.7	18
130	Crystal Modulus of Poly(glycolic acid) and Its Temperature Dependence. <i>Macromolecules</i> , <b>2017</b> , 50, 5074-5079	5.9	18
129	Elucidation of Chiral Symmetry Breaking in a Racemic Polymer System with Terahertz Vibrational Spectroscopy and Crystal Orbital Density Functional Theory. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 4671-4676	6.4	22
128	Synthesis of Poly(3-substituted thiophene)s of Remarkably High Solubility in Hydrocarbon via Nickel-Catalyzed Deprotonative Cross-Coupling Polycondensation. <i>Macromolecules</i> , <b>2016</b> , 49, 1259-1269	5.5	28
127	Characterization of cellulose nanofiber sheets from different refining processes. <i>Cellulose</i> , <b>2016</b> , 23, 403-414	5.5	33
126	Conductive casting films based on an octasilicate-core dendrimer containing the mixed-valence state TCNQ on the periphery. <i>RSC Advances</i> , <b>2016</b> , 6, 114513-114518	3.7	1
125	Quantification of Amino Groups on Solid Surfaces Using Cleavable Fluorescent Compounds. <i>Langmuir</i> , <b>2015</b> , 31, 8824-9	4	8
124	Surfactant-induced polymer segregation to produce antifouling surfaces via dip-coating with an amphiphilic polymer. <i>Langmuir</i> , <b>2015</b> , 31, 125-31	4	17
123	Simple method for lowering poly(methyl methacrylate) surface energy with fluorination. <i>Polymer Journal</i> , <b>2015</b> , 47, 66-70	2.7	26
122	Highly water repellent but highly adhesive surface with segregation of poly(ethylene oxide) side chains. <i>Langmuir</i> , <b>2015</b> , 31, 209-14	4	8
121	A low-fouling polymer surface prepared by controlled segregation of poly(ethylene oxide) and its functionalization with biomolecules. <i>Polymer Journal</i> , <b>2015</b> , 47, 328-333	2.7	10
120	Layered perovskite nanosheets bearing fluoroalkoxy groups: their preparation and application in epoxy-based hybrids. <i>RSC Advances</i> , <b>2014</b> , 4, 26932-26939	3.7	14
119	Uniaxial drawing of poly(vinyl alcohol)/graphene oxide nanocomposites. <i>Carbon</i> , <b>2014</b> , 70, 38-45	10.4	41

118	All-cellulose Composites. <i>Materials and Energy</i> , <b>2014</b> , 201-216		8
117	Nacre-mimetic clay/xyloglucan bionanocomposites: a chemical modification route for hygromechanical performance at high humidity. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3842-9	6.9	38
116	Comparative effect of mechanical beating and nanofibrillation of cellulose on paper properties made from bagasse and softwood pulps. <i>Carbohydrate Polymers</i> , <b>2013</b> , 97, 725-30	10.3	83
115	Preparation, Microstructure, and Properties of Biofibers <b>2013</b> , 109-131		0
114	Water-repellent all-cellulose nanocomposite using silane coupling treatment. <i>Journal of Adhesion Science and Technology</i> , <b>2013</b> , 27, 1324-1334	2	25
113	Microstructures of BPDA-PPD polyimide thin films with different thicknesses. <i>Polymer</i> , <b>2013</b> , 54, 2435-2439	3.9	14
112	Display of amino groups on substrate surfaces by simple dip-coating of methacrylate-based polymers and its application to DNA immobilization. <i>Langmuir</i> , <b>2013</b> , 29, 932-8	4	17
111	Surface Deformation Analysis of Poly(Ethylene Terephthalate) With a Different Draw Ratio Using Atomic Force Microscopy. <i>Journal of Macromolecular Science - Physics</i> , <b>2013</b> , 52, 1861-1869	1.4	2
110	Synthesis of High-molecular-weight Head-to-tail-type Poly(3-substituted-thiophene)s by Cross-coupling Polycondensation with [CpNiCl(NHC)] as a Catalyst. <i>Chemistry Letters</i> , <b>2013</b> , 42, 281-283	1.7	35
109	All-cellulose Nanocomposites using Cellulose Nanofibers. <i>Nippon Gomu Kyokaishi</i> , <b>2013</b> , 86, 28-34	0	
108	Scaling of Wear Resistance of Rubber Compounds for Tires Using Rubber Properties. <i>Nippon Gomu Kyokaishi</i> , <b>2013</b> , 86, 3-7	0	1
107	High Performance Polymer Composites with Nanocarbon Materials. <i>Journal of Fiber Science and Technology</i> , <b>2013</b> , 69, P_70-P_76	0	1
106	Interfacial structure of poly-blefin laminate by using scanning thermal microscope. <i>Thermochimica Acta</i> , <b>2012</b> , 531, 1-5	2.9	7
105	Interfacial structure of all-polyethylene laminate using scanning thermal microscope and nano-Raman spectroscopy. <i>Polymer</i> , <b>2012</b> , 53, 1966-1971	3.9	11
104	Ecological approach to graphene oxide reinforced poly (methyl methacrylate) nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 3596-601	9.5	67
103	Poly(vinyl alcohol)/graphene oxide nanocomposites prepared by a simple eco-process. <i>Polymer Journal</i> , <b>2012</b> , 44, 1056-1063	2.7	98
102	Cellulose nanofiber orientation in nanopaper and nanocomposites by cold drawing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 1043-9	9.5	259
101	Stretchable and strong cellulose nanopaper structures based on polymer-coated nanofiber networks: an alternative to nonwoven porous membranes from electrospinning. <i>Biomacromolecules</i> , <b>2012</b> , 13, 3661-7	6.9	81

100	Crystal modulus of a new semiaromatic polyamide 9-T. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 331-337	3	8
99	X-ray Diffraction Analyses on Stress Transfer Through Polymer Composites Interface. <i>Journal of the Adhesion Society of Japan</i> , <b>2012</b> , 48, 48-57	0.1	1
98	Direct fabrication of all-cellulose nanocomposite from cellulose microfibrils using ionic liquid-based nanowelding. <i>Biomacromolecules</i> , <b>2011</b> , 12, 4080-5	6.9	88
97	All-cellulose composite and nanocomposite made from partially dissolved micro- and nanofibers of canola straw. <i>Polymer Journal</i> , <b>2011</b> , 43, 559-564	2.7	70
96	Poly(vinyl alcohol) Nanocomposites with Nanodiamond. <i>Macromolecules</i> , <b>2011</b> , 44, 4415-4421	5.5	198
95	Application of layered poly (L-lactic acid) cell free scaffold in a rabbit rotator cuff defect model. <i>The Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , <b>2011</b> , 3, 29		25
94	Cryogenic Mechanical Behavior of Poly(trimethylene terephthalate). <i>Macromolecules</i> , <b>2011</b> , 44, 2106-2115	15	12
93	Acetylation of plant cellulose fiber in supercritical carbon dioxide. <i>Polymer</i> , <b>2011</b> , 52, 830-836	3.9	26
92	All-Cellulose Nanocomposite Made from Nanofibrillated Cellulose. <i>Advanced Composites Letters</i> , <b>2010</b> , 19, 096369351001900	1.2	15
91	All-aramid composites by partial fiber dissolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 919-26	5	27
90	Potency of double-layered poly L-lactic acid scaffold in tissue engineering of tendon tissue. <i>International Orthopaedics</i> , <b>2010</b> , 34, 1327-32	3.8	29
89	A non-solvent approach for high-stiffness all-cellulose biocomposites based on pure wood cellulose. <i>Composites Science and Technology</i> , <b>2010</b> , 70, 1704-1712	8.6	49
88	Stress Transfer of Poly (VinylAlcohol) / Montmorillonite Nano composite Using X-ray Diffraction. <i>Journal of the Adhesion Society of Japan</i> , <b>2010</b> , 46, 320-324	0.1	6
87	All-cellulose nanocomposites by surface selective dissolution of bacterial cellulose. <i>Cellulose</i> , <b>2009</b> , 16, 435-444	5.5	145
86	Preparation and mechanical properties of well-aligned and well-oriented poly(vinyl alcohol) nanoribbon. <i>Polymers for Advanced Technologies</i> , <b>2009</b> , 20, 258-262	3.2	2
85	High-pressure-synthesis of poly(isopropenyl alcohol) and its biocompatibilities. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 754-761	2.5	10
84	Surface properties of O <sub>2</sub> -plasma-treated thermoplastic fluoroelastomers under mechanical stretching. <i>Polymer</i> , <b>2009</b> , 50, 3245-3249	3.9	9
83	Nanoscale cellulose films with different crystallinities and mesostructures--their surface properties and interaction with water. <i>Langmuir</i> , <b>2009</b> , 25, 7675-85	4	277

82	All-cellulose composites of regenerated cellulose fibres by surface selective dissolution. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2009</b> , 40, 321-328	8.4	78
81	In situ observation of filler displacement during tensile deformation of nanosilica-filled natural rubber using field-emission scanning electron microscope. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2009</b> , 40, 232-234	8.4	10
80	Cellulose nanopaper structures of high toughness. <i>Biomacromolecules</i> , <b>2008</b> , 9, 1579-85	6.9	949
79	I : Structures and Critical Mechanical Properties of Celluloses. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2008</b> , 57, 97-103	0.1	4
78	Identification and functional characterization of a novel barnacle cement protein. <i>FEBS Journal</i> , <b>2007</b> , 274, 4336-46	5.7	65
77	Elastic Modulus of the Crystalline Regions of Poly (p-phenylene terephthalamide) Single Fiber Using SPring-8 Synchrotron Radiation. <i>Polymer Journal</i> , <b>2007</b> , 39, 1295-1299	2.7	9
76	Papyrus reinforced poly(L-lactic acid) composite. <i>Advanced Composite Materials</i> , <b>2007</b> , 16, 259-267	2.8	10
75	All-cellulose composite prepared by selective dissolving of fiber surface. <i>Biomacromolecules</i> , <b>2007</b> , 8, 2712-6	6.9	184
74	Interfacial structure analysis of polymer laminate using SPring-8 X-ray microbeam. <i>Composite Interfaces</i> , <b>2007</b> , 14, 63-72	2.3	7
73	X-ray diffraction studies on stress transfer of kenaf reinforced poly(l-lactic acid) composite. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2006</b> , 37, 2269-2273	8.4	39
72	Effects of film-forming conditions on surface properties and structures of diblock copolymer with perfluoroalkyl side chains. <i>Langmuir</i> , <b>2005</b> , 21, 2614-8	4	70
71	Surface properties and structures of diblock copolymer and homopolymer with perfluoroalkyl side chains. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 283, 533-8	9.3	68
70	A214 Manufacturing of Porous Scaffold for Bone Regeneration using X-ray CT Images. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering</i> , <b>2005</b> , 2005.16, 115-116	0	
69	In situ AFM Observation of Surface Deformation of Polyimide Film. <i>Nihon Reoroji Gakkaishi</i> , <b>2004</b> , 32, 211-214	0.8	4
68	Surface properties and structures of diblock and random copolymers with perfluoroalkyl side chains. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 279, 364-9	9.3	51
67	Synthesis and characterization of stimuli-sensitive hydrogels having a different length of ethylene glycol chains carrying phosphate groups: loading and release of lysozyme. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2004</b> , 15, 1435-46	3.5	23
66	Formation and Growth of Copper Nanoparticles from Ion-Doped Precursor Polyimide Layers. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 15599-15607	3.4	70
65	All-Cellulose Composite. <i>Macromolecules</i> , <b>2004</b> , 37, 7683-7687	5.5	639



64	Wear Characteristics of a Novel Bearing System for Artificial Knee Joint (Micro-Pocket-Covered Femoral Component and Tibial Poro-Elastic-Hydrated Cartilage). <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , <b>2004</b> , 47, 209-217		12
63	A Study upon Durability of the Artificial Knee Joint with PVA Hydrogel Cartilage. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , <b>2004</b> , 47, 199-208		60
62	Measurement Methods of Residual Stress. <i>Journal of the Adhesion Society of Japan</i> , <b>2003</b> , 39, 24-29	0.1	2
61	Kenaf reinforced biodegradable composite. <i>Composites Science and Technology</i> , <b>2003</b> , 63, 1281-1286	8.6	503
60	Melt processing of poly(vinyl alcohol) through blending with sugar pendant polymer. <i>Polymer</i> , <b>2002</b> , 43, 2869-2873	3.9	33
59	X-ray diffraction of polymer under load at cryogenic temperature. <i>Review of Scientific Instruments</i> , <b>2002</b> , 73, 1809-1812	1.7	7
58	Mechanical properties of poly(vinyl chloride)/silane-treated glass beads composite: effects of organofunctional group and alkoxy group numbers of silane coupling agent. <i>Composite Interfaces</i> , <b>2002</b> , 9, 273-287	2.3	21
57	Temperature dependence of the stress transfer for thermal resistance polymer composites by X-ray diffraction. <i>Composite Interfaces</i> , <b>2002</b> , 9, 309-318	2.3	3
56	X-ray diffraction studies of the environmental deterioration of a transversely loaded carbon-fibre-reinforced composite. <i>Composites Science and Technology</i> , <b>2001</b> , 61, 2455-2459	8.6	7
55	Miscibility of segmented polyurethane/poly(vinyl chloride) blends. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 82, 3022-3029	2.9	8
54	Interfacial and mechanical properties of Fe <sub>2</sub> O <sub>3</sub> /segmented polyurethane/poly(vinyl chloride) composites. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 82, 3030-3035	2.9	4
53	Incorporation of methyl groups into hard segments of segmented polyurethane: microphase separation and adhesive properties. <i>International Journal of Adhesion and Adhesives</i> , <b>2001</b> , 21, 71-75	3.4	15
52	????????????????(11)-?????????-. <i>Seikei-Kakou</i> , <b>2001</b> , 13, 96-101	0	
51	Surface structure of isotactic polypropylene by X-ray diffraction. <i>Polymer Engineering and Science</i> , <b>2000</b> , 40, 336-343	2.3	55
50	In situ observation of surface deformation of polymer films by atomic force microscopy. <i>Review of Scientific Instruments</i> , <b>2000</b> , 71, 2094-2096	1.7	25
49	Really smart bioconjugates of smart polymers and receptor proteins <b>2000</b> , 52, 577		2
48	Relationships between interfacial properties and structure of segmented polyurethane having functional groups. <i>International Journal of Adhesion and Adhesives</i> , <b>1999</b> , 19, 345-351	3.4	20
47	Poly(vinyl alcohol) with low surface free energy by fluorination. <i>International Journal of Adhesion and Adhesives</i> , <b>1999</b> , 19, 399-403	3.4	25



46	Adhesive ability and solvent solubility of propylene-butene copolymers modified with maleic anhydride. <i>International Journal of Adhesion and Adhesives</i> , <b>1999</b> , 19, 367-371	3.4	10
45	The Lowest Surface Free Energy Based on $\Gamma$ F3 Alignment. <i>Langmuir</i> , <b>1999</b> , 15, 4321-4323	4	936
44	Elastic modulus of the crystalline regions of chitin and chitosan. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1999</b> , 37, 1191-1196	2.6	92
43	Elastic modulus of the crystalline regions of polyimide derived from poly(amic acid)Biphtalic dianhydride and p-phenylene diamine. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1999</b> , 37, 3294-3301	2.6	8
42	Elastic modulus of the crystalline regions of chitin and chitosan <b>1999</b> , 37, 1191		1
41	Stress Transfer in High Performance Polyethylene Fiber Reinforced Epoxy Resin Composite Analyzed by X-Ray Diffraction. In the Direction Parallel to the Fiber Axis.. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>1998</b> , 47, 1083-1087	0.1	2
40	Stress Transfer in High Performance Polyethylene Fiber Reinforced Epoxy Resin Composite Analyzed by X-Ray Diffraction. In the Direction Perpendicular to the Fiber Axis.. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>1998</b> , 47, 293-298	0.1	6
39	Lysozyme loading and release from hydrogels carrying pendant phosphate groups. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1997</b> , 9, 43-53	3.5	36
38	Microphase separation and surface properties of segmented polyurethaneEffect of hard segment content. <i>International Journal of Adhesion and Adhesives</i> , <b>1996</b> , 16, 233-239	3.4	67
37	Stabilization of Enzyme by Polymer with Pendant Monosaccharide <b>1996</b> , 293-294		
36	Elastic modulus of the crystalline regions of cellulose triesters. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1995</b> , 33, 611-618	2.6	20
35	Elastic modulus of the crystalline regions of cellulose polymorphs. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1995</b> , 33, 1647-1651	2.6	433
34	Elastic modulus of the crystalline regions of thermoplastic polyimide. <i>High Performance Polymers</i> , <b>1995</b> , 7, 371-376	1.6	3
33	Elastic modulus of the crystalline regions of ethylene-vinyl alcohol copolymers. <i>Polymer</i> , <b>1995</b> , 36, 959-966	3.6	7
32	Temperature dependence of the elastic modulus of the crystalline regions of poly(ethylene 2,6-naphthalate). <i>Polymer</i> , <b>1995</b> , 36, 1401-1405	3.9	27
31	Elastic modulus of the crystalline regions of poly(ethylene-2,6-naphthalate). <i>Polymer</i> , <b>1993</b> , 34, 3322-3329	3.9	42
30	Poisson's ratio of the crystal lattice of poly(p-phenylene terephthalamide) by X-ray diffraction. <i>Polymer</i> , <b>1992</b> , 33, 4898-4900	3.9	15
29	Elastic modulus of crystalline regions of poly(ether ether ketone), poly(ether ketone) and poly(p-phenylene sulphide). <i>Polymer</i> , <b>1992</b> , 33, 736-743	3.9	28

28	Studies on mechanical properties of polymer composites by X-ray diffraction: 3. Mechanism of stress transmission in particulate epoxy composite by X-ray diffraction. <i>Polymer</i> , <b>1992</b> , 33, 2720-2724	3.9	9
27	Stress transmission in silica particulate epoxy composite by X-ray diffraction. <i>Polymer</i> , <b>1992</b> , 33, 5167-5172	3.9	9
26	Studies on the temperature dependence of the elastic modulus of crystalline regions of polymers: 14. Poly(vinyl alcohol) with different tacticities. <i>Polymer</i> , <b>1992</b> , 33, 2581-2586	3.9	22
25	Elastic modulus of the crystalline regions of Tussah silk. <i>Polymer</i> , <b>1992</b> , 33, 1328-1329	3.9	10
24	Residual stress in particulate epoxy resin by X-ray diffraction. <i>Journal of Applied Polymer Science</i> , <b>1992</b> , 45, 1239-1244	2.9	7
23	Pressure Dependence of the Curing Behavior of Epoxy Resin. <i>Polymer Journal</i> , <b>1991</b> , 23, 1157-1162	2.7	7
22	Temperature dependence of the elastic modulus of crystalline regions of isotactic poly(4-methyl-1-pentene). <i>Journal of Macromolecular Science - Physics</i> , <b>1991</b> , 30, 47-62	1.4	11
21	Elastic modulus of crystalline regions of polyethylene with different microstructures: Experimental proof of homogeneous stress distribution. <i>Journal of Macromolecular Science - Physics</i> , <b>1991</b> , 30, 1-23	1.4	57
20	The Application of X-Ray Diffraction Method to the Measurement of Crystal Deformation and Crystal Modulus of High Polymers. <i>Advances in X-ray Analysis</i> , <b>1991</b> , 35, 545-552		5
19	Crystal Moduli of High Polymers and Their Temperature Dependence <b>1991</b> , 121-130		2
18	Temperature dependence of the elastic modulus of crystalline regions of polyoxymethylene. <i>Polymer</i> , <b>1990</b> , 31, 1909-1918	3.9	25
17	Studies on mechanical properties of polymer composites by X-ray diffraction. I. Residual stress in epoxy resin by X-ray diffraction. <i>Journal of Applied Polymer Science</i> , <b>1990</b> , 40, 2231-2238	2.9	10
16	Temperature dependence of the elastic modulus of crystalline regions of Poly(ethylene terephthalate). <i>Journal of Macromolecular Science - Physics</i> , <b>1988</b> , 27, 407-420	1.4	25
15	Elastic modulus of crystalline regions of aromatic co-polyamides.. <i>Kobunshi Ronbunshu</i> , <b>1988</b> , 45, 573-579		3
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13	Experimental Determination of the Elastic Modulus of Crystalline Regions of Some Aromatic Polyamides, Aromatic Polyesters, and Aromatic Polyether Ketone. <i>Polymer Journal</i> , <b>1987</b> , 19, 451-459	2.7	47
12	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.. <i>Kobunshi Ronbunshu</i> , <b>1987</b> , 44, 421-428	0	15
11	Elastic moduli of crystalline regions of poly(ether ether ketone).. <i>Journal of Fiber Science and Technology</i> , <b>1987</b> , 43, 277-282	0	1

