Masayuki Yamaguchi

List of Publications by Year
in descending order

188	4,021	109321	175258
papers	citations	35 h-index	52 g-index

191	191	191	2243
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and properties for biomass-based polyester blends of PLA and PBS. European Polymer Journal, 2008, 44, 677-685.	5.4	368
2	Compatibility of binary blends of polypropylene with ethylene-?-olefin copolymer. Journal of Applied Polymer Science, 1996, 62, 87-97.	2.6	115
3	Rheological properties and foam processability for blends of linear and crosslinked polyethylenes. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 2159-2167.	2.1	91
4	Self-repairing property of polymer network with dangling chains. Materials Letters, 2007, 61, 1396-1399.	2.6	88
5	Quantitative analysis of melt elongational behavior of LLDPE/LDPE blends. Rheologica Acta, 2004, 44, 198-218.	2.4	84
6	LLDPE/LDPE blends. I. Rheological, thermal, and mechanical properties. Journal of Applied Polymer Science, 1999, 74, 3153-3159.	2.6	76
7	Miscibility, mechanical and thermal properties of poly(lactic acid)/polyester-diol blends. European Polymer Journal, 2009, 45, 2304-2312.	5.4	69
8	Rheological properties of low-density polyethylenes produced by tubular and vessel processes. Polymer, 2001, 42, 8663-8670.	3.8	68
9	Rheological properties of polymer composites with flexible fine fibers. Journal of Rheology, 2011, 55, 1205-1218.	2.6	67
10	Chain Packing and Its Anomalous Effect on Mechanical Toughness for Poly(lactic acid). Biomacromolecules, 2015, 16, 1660-1666.	5.4	66
11	Anomalous molecular orientation of isotactic polypropylene sheet containing N,Nâ€²-dicyclohexyl-2,6-naphthalenedicarboxamide. Polymer, 2009, 50, 1497-1504.	3.8	65
12	Impact of processing history on rheological properties for branched polypropylene. Polymer, 2006, 47, 3629-3635.	3.8	60
13	Extraordinary Wavelength Dispersion of Orientation Birefringence for Cellulose Esters. Macromolecules, 2009, 42, 9034-9040.	4.8	57
14	Enhanced strain hardening in elongational viscosity for HDPE/crosslinked HDPE blend. II. Processability of thermoforming. Journal of Applied Polymer Science, 2002, 86, 79-83.	2.6	55
15	Structure and properties of injectionâ€molded polypropylene with sorbitolâ€based clarifier. Polymer Engineering and Science, 2007, 47, 1441-1446.	3.1	52
16	Wavelength Dispersion of Orientation Birefringence for Cellulose Esters Containing Tricresyl Phosphate. Macromolecules, 2011, 44, 3942-3949.	4.8	49
17	Material design of retardation films with extraordinary wavelength dispersion of orientation birefringence: a review. Cellulose, 2012, 19, 601-613.	4.9	49
18	Rheological properties of linear and crosslinked polymer blends: Relation between crosslink density and enhancement of elongational viscosity. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 228-235.	2.1	48

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19	Rheological properties for binary blends of i-PP and ethylene-1-hexene copolymer. Journal of Applied Polymer Science, 1997, 63, 467-474.	2.6	47
20	Influence of Stereoregularity of Polypropylene on Miscibility with Ethyleneâ˜'1-Hexene Copolymer. Macromolecules, 1999, 32, 5911-5916.	4.8	46
21	Quantitative relation between shear history and rheological properties of LDPE. Advances in Polymer Technology, 2001, 20, 261-269.	1.7	46
22	Strain Hardening Behavior in Elongational Viscosity for Binary Blends of Linear Polymer and Crosslinked Polymer. Polymer Journal, 2000, 32, 164-170.	2.7	45
23	Mechanical properties of binary blends of polypropylene with ethylene-Î±-olefin copolymer. Polymer, 1998, 39, 53-58.	3.8	44
24	Relation between molecular structure and flow instability for ethylene/Î±-olefin copolymers. Polymer, 2002, 43, 5249-5255.	3.8	44
25	Effect of the shape of dispersed particles on the thermal and mechanical properties of biomass polymer blends composed of poly(<scp>L</scp>â€lactide) and poly(butylene succinate). Journal of Applied Polymer Science, 2010, 117, 2226-2232.	2.6	44
26	Effect of thermal degradation on rheological properties for poly(3-hydroxybutyrate). European Polymer Journal, 2006, 42, 1479-1486.	5.4	42
27	Interdiffusion of dangling chains in weak gel and its application to self-repairing material. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 162, 189-194.	3.5	42
28	Plywood-like structure of injection-moulded polypropylene. Polymer, 2010, 51, 5983-5989.	3.8	42
29	Optical properties of polymer blends composed of poly(methyl methacrylate) and ethyleneâ€"vinyl acetate copolymer. European Polymer Journal, 2012, 48, 974-980.	5.4	42
30	Optical anisotropy in solution-cast film of cellulose triacetate. Cellulose, 2013, 20, 83-96.	4.9	42
31	Rheological properties for polypropylene modified by polytetrafluoroethylene. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 2008-2014.	2.1	41
32	Structure and properties for transparent polypropylene containing sorbitolâ€based clarifier. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 41-47.	2.1	40
33	Modification of Rheological Properties Under Elongational Flow by Addition of Polymeric Fine Fibers. Macromolecular Materials and Engineering, 2012, 297, 654-658.	3.6	40
34	Rheological properties of LDPE processed by conventional processing machines. Advances in Polymer Technology, 2003, 22, 179-187.	1.7	38
35	Anomalous mechanical anisotropy of Î² form polypropylene sheet with N,Nâ€²-dicyclohexyl-2,6-naphthalenedicarboxamide. Polymer, 2011, 52, 4867-4872.	3.8	36
36	Viscoelastic properties of poly(methyl methacrylate) with high glass transition temperature by lithium salt addition. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2388-2394.	2.1	36

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37	Structure and properties for binary blends of isotactic-polypropylene with ethylene-?-olefin copolymer. 1. Crystallization and morphology. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 953-961.	2.1	35
38	Birefringence control for binary blends of cellulose acetate propionate and poly(vinyl acetate). European Polymer Journal, 2007, 43, 3277-3282.	5.4	35
39	Effect of Moisture on the Orientation Birefringence of Cellulose Esters. Polymers, 2011, 3, 955-966.	4.5	35
40	Carbon nanotube imprinting on a polymer surface. Carbon, 2009, 47, 2840-2846.	10.3	33
41	Development of conductive network of multiwalled carbon nanotubes in polycarbonate melt. Polymer Composites, 2011, 32, 97-102.	4.6	33
42	Enhanced strain hardening in elongational viscosity for HDPE/crosslinked HDPE blend. I. Characteristics of crosslinked HDPE. Journal of Applied Polymer Science, 2002, 86, 73-78.	2.6	30
43	Morphology development of polytetrafluoroethylene in a polypropylene melt (IUPAC Technical) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	30
44	Molecular orientation and mechanical anisotropy of polypropylene sheet containing N,Nâ€²â€dicyclohexylâ€2,6â€naphthalenedicarboxamide. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 424-433.	2.1	29
45	Effect of molecular structure in branched polyethylene on adhesion properties with polypropylene. Journal of Applied Polymer Science, 1998, 70, 457-463.	2.6	25
46	Improvement of rigidity for rubber-toughened polypropylene via localization of carbon nanotubes. Composites Science and Technology, 2017, 141, 106-112.	7.8	25
47	Optical and acoustical investigation for plastic deformation of isotactic polypropylene/ethylene-1-hexene copolymer blends. Polymer Engineering and Science, 1999, 39, 833-840.	3.1	24
48	Selective migration of silica particles between rubbers. Journal of Polymer Research, 2013, 20, 1.	2.4	24
49	Rheological response under nonisothermal stretching for immiscible blends of isotactic polypropylene and acrylate polymer. Journal of Rheology, 2017, 61, 1-11.	2.6	23
50	Structure and mechanical properties for binary blends of polypropylene and ethylene-1-hexene copolymer. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 701-713.	2.1	22
51	Development of hydroxyethylacryl chitosan/alginate hydrogel films for biomedical application. Journal of Polymer Research, 2014, 21, 1.	2.4	22
52	Morphology, structure, and properties of poly(lactic acid) microporous films containing poly(butylene terephthalate) fine fibers fabricated by biaxial stretching. Journal of Applied Polymer Science, 2015, 132, .	2.6	22
53	Flow instability for binary blends of linear polyethylene and long-chain branched polyethylene. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 231-240.	2.4	21
54	Autonomic healing and welding by interdiffusion of dangling chains in a weak gel. Polymer International, 2012, 61, 9-16.	3.1	21

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55	Effect of cooling conditions on the mechanical properties of crystalline poly(lactic acid). Journal of Applied Polymer Science, 2017, 134, .	2.6	21
56	Structure and properties of fiber-reinforced polypropylene prepared by direct incorporation of aqueous solution of poly(vinyl alcohol). Polymer, 2020, 199, 122566.	3.8	21
57	Plastic deformation behavior of polypropylene sheet with transversal orientation. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 897-906.	2.1	20
58	Mechanical and Optical Properties of Polycarbonate Containing p-Terphenyl. Industrial & Engineering Chemistry Research, 2013, 52, 5048-5053.	3.7	20
59	Effects of size and shape of dispersed poly(butylene terephthalate) on isothermal crystallization kinetics and morphology of poly(lactic acid) blends. Polymer Engineering and Science, 2016, 56, 258-268.	3.1	20
60	Flow instability in capillary extrusion of plasticized poly(vinyl chloride). Journal of Applied Polymer Science, 2001, 82, 1277-1283.	2.6	19
61	Anomalous rheological response for binary blends of linear polyethylene and longâ€chain branched polyethylene. Advances in Polymer Technology, 2007, 26, 173-181.	1.7	19
62	Effect of Flexible Fibers on Rheological Properties of Poly(Lactic Acid) Composites under Elongational Flow. Nihon Reoroji Gakkaishi, 2013, 41, 129-135.	1.0	19
63	Modifying the rheological properties of polypropylene under elongational flow by adding polyethylene. Journal of Rheology, 2019, 63, 11-18.	2.6	19
64	Modification of orientation birefringence of cellulose ester by addition of poly(lactic acid). European Polymer Journal, 2010, 46, 2269-2274.	5.4	18
65	Thermal Expansion Behavior of Antiplasticized Polycarbonate. Nihon Reoroji Gakkaishi, 2014, 42, 255-260.	1.0	18
66	Extraordinary wavelength dispersion of birefringence in cellulose triacetate film with anisotropic nanopores. Polymer, 2014, 55, 3247-3253.	3.8	18
67	Selective localization of carbon nanotubes in PC/PET blends. Polymer Composites, 2017, 38, 1103-1111.	4.6	18
68	Zero birefringence films of pullulan ester derivatives. Scientific Reports, 2017, 7, 46342.	3.3	18
69	Enhancement of the glass transition temperature of poly(methyl methacrylate) by salt. Polymer Journal, 2018, 50, 857-863.	2.7	18
70	Enhancement of melt elasticity for poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyvalerate) by addition of weak gel. Journal of Applied Polymer Science, 2008, 107, 1320-1324.	2.6	17
71	Melting Point Elevation of Isotactic Polypropylene. Journal of Macromolecular Science - Physics, 2014, 53, 1222-1230.	1.0	17
72	Crystallization Behavior and Dynamic Mechanical Properties of Poly(l-Lactic Acid) with Poly(Ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.0	17

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73	Effect of Die Geometry on Drawdown Force of Polypropylene at Capillary Extrusion. Advances in Polymer Technology, 2015, 34, .	1.7	17
74	Anomalous transfer phenomenon of carbon nanotube in the blend of polyethylene and polycarbonate. Composites Part B: Engineering, 2015, 78, 409-414.	12.0	17
75	Birefringence and strain-induced crystallization of stretched cellulose acetate propionate films. Polymer, 2017, 111, 53-60.	3.8	17
76	Improvement of mechanical toughness of poly(lactic acid) by addition of ethylene-vinyl acetate copolymer. Polymer Testing, 2019, 80, 106021.	4.8	17
77	Anomalous viscosity decrease of polycarbonate by addition of polystyrene. Polymer, 2019, 170, 135-141.	3.8	17
78	Effect of thermal modification on rheological properties of polyethylene blends. Journal of Rheology, 2014, 58, 449-465.	2.6	16
79	Control of three-dimensional refractive indices of uniaxially-stretched cellulose triacetate with low-molecular-weight compounds. European Polymer Journal, 2014, 59, 105-112.	5.4	16
80	Effect of lithium salt addition on the structure and optical properties of PMMA/PVB blends. Polymer, 2018, 146, 242-248.	3.8	16
81	Enhancement of drawdown force in polypropylene containing nucleating agent. Journal of Applied Polymer Science, 2019, 136, 47295.	2.6	16
82	Effect of Ultra-High-Molecular-Weight Molecular Chains on the Morphology, Crystallization, and Mechanical Properties of Polypropylene. Polymers, 2021, 13, 4222.	4.5	16
83	Control of structure and mechanical properties for binary blends of poly(3-hydroxybutyrate) and cellulose derivative. Journal of Applied Polymer Science, 2007, 103, 3447-3452.	2.6	15
84	Effect of aromatic additives with various alkyl groups on orientation birefringence of cellulose acetate propionate. Journal of Applied Polymer Science, 2013, 130, 3465-3472.	2.6	15
85	Structure and mechanical anisotropy of injection-molded polypropylene with a plywood structure. Polymer Journal, 2014, 46, 226-233.	2.7	15
86	Autonomic selfâ€healing of poly(vinyl butyral). Journal of Applied Polymer Science, 2015, 132, .	2.6	15
87	Development of microporous structure and its application to optical film for cellulose triacetate containing diisodecyl adipate. Carbohydrate Polymers, 2015, 120, 22-28.	10.2	14
88	Surface localization of poly(methyl methacrylate) in a miscible blend with polycarbonate. Polymer Journal, 2015, 47, 576-579.	2.7	14
89	Surface segregation during injection molding of polycarbonate/poly(methyl methacrylate) blend. Journal of Polymer Research, 2017, 24, 1.	2.4	14
90	Structure and optical properties of transparent polyamide 6 containing lithium bromide. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1513-1520.	2.1	14

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91	Control of optical and mechanical properties of poly(methyl methacrylate) by introducing lithium salt. Optical Materials, 2018, 83, 152-156.	3.6	14
92	Highâ€Strain Shape Memory Behavior of PLAâ€“PEG Multiblock Copolymers and Its Microstructural Origin. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 241-256.	2.1	14
93	Crystallization behavior of isotactic polypropylene containing a fibrous nucleating agent in a flow field. Polymer Journal, 2022, 54, 367-375.	2.7	14
94	Effect of mixing temperature on the carbon nanofiller distribution in immiscible blends of polycarbonate and polyolefin. European Polymer Journal, 2017, 96, 295-303.	5.4	13
95	Rheological properties and processability of chemically modified poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td	1.7	12
96	Viscoelastic properties and extrusion processability of poly(vinyl butyral). Journal of Applied Polymer Science, 2014, 131, .	2.6	12
97	Rheological characterization on thermal degradation of ethylene-tetrafluoroethylene copolymer. Journal of Fluorine Chemistry, 2014, 166, 117-121.	1.7	12
98	Strong orientation correlation and optical anisotropy in blend of cellulose ester and poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.6	12
99	Effect of acetylation site on orientation birefringence of cellulose triacetate. Cellulose, 2015, 22, 3003-3012.	4.9	12
100	Reduced stressâ€optical coefficient of polycarbonate by antiplasticization. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1837-1842.	2.1	12
101	Effect of carbon nanotube addition on structure and properties for extrudates of highâ€density polyethylene. Journal of Applied Polymer Science, 2019, 136, 48010.	2.6	12
102	Effect of morphology on shear viscosity for binary blends of polycarbonate and polystyrene. Journal of Applied Polymer Science, 2020, 137, 49516.	2.6	12
103	Transparent poly(lactic acid) film crystallized by annealing beyond glass transition temperature. Journal of Polymer Research, 2020, 27, 1.	2.4	12
104	Modification of Poly(Lactic Acid) Rheological Properties Using Ethyleneâ€“Vinyl Acetate Copolymer. Journal of Polymers and the Environment, 2021, 29, 121-129.	5.0	12
105	Effect of stereoregularity of polypropylene on flow instability in capillary extrusion. Advances in Polymer Technology, 2009, 28, 185-191.	1.7	11
106	Thermal and mechanical modification of LDPE in singleâ€screw extruder. Journal of Applied Polymer Science, 2009, 113, 1462-1470.	2.6	11
107	Localization of nanofibers on polymer surface using interface transfer technique. Composites Part B: Engineering, 2012, 43, 1218-1223.	12.0	11
108	Incorporation of low-mass compound to alter the orientation birefringence in cellulose acetate propionate. Optical Materials, 2013, 35, 1443-1448.	3.6	11

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109	Birefringence control of solution-cast film of cellulose triacetate. Optical Materials, 2017, 72, 491-495.	3.6	11
110	Effects of Residual Solvent on Glass Transition Temperature of Poly(methyl methacrylate). Nihon Reoroji Gakkaishi, 2018, 46, 117-121.	1.0	11
111	Impact of Lithium halides on rheological properties of aqueous solution of poly(vinyl alcohol). Journal of Polymer Research, 2020, 27, 1.	2.4	11
112	Relationship between processing history and rheological properties during postprocessing annealing for anomalous polyethylene blends. Journal of Applied Polymer Science, 2006, 102, 1078-1083.	2.6	10
113	Interphase transfer of plasticizer between immiscible rubbers. Polymer, 2015, 78, 208-211.	3.8	10
114	Anomalous Optical Anisotropy of Oriented Cellulose Triacetate Film. Nihon Reoroji Gakkaishi, 2016, 45, 19-24.	1.0	10
115	Self-healing properties of poly(ethylene-co-vinyl acetate). Colloid and Polymer Science, 2016, 294, 537-543.	2.1	10
116	Modulus enhancement of polycarbonate by addition of lithium perchlorate. Journal of Applied Polymer Science, 2017, 134, .	2.6	10
117	Experimental and numerical study on transient elongational viscosity for PP/LDPE blends. Polymer Journal, 2020, 52, 529-538.	2.7	10
118	Effect of Mixing Method on Properties of Ethylene Vinyl Acetate Copolymer/Natural Rubber Thermoplastic Vulcanizates. Polymers, 2020, 12, 1739.	4.5	10
119	Effect of molecular weight on molecular orientation and morphology of polypropylene sheets containing a Î²â€nucleating agent. Polymer Engineering and Science, 2021, 61, 367-378.	3.1	10
120	Modification of poly(vinyl alcohol) fibers with lithium bromide. Polymer, 2021, 213, 123193.	3.8	10
121	Modulus enhancement of polypropylene by sorbitol nucleating agent in flow field. Polymer Crystallization, 2021, 4, e10170.	0.8	10
122	Modifying the thermal and mechanical properties of poly(lactic acid) by adding lithium trifluoromethanesulfonate. Journal of Polymer Research, 2018, 25, 1.	2.4	9
123	Effect of Crystallization on Drawdown Force at Capillary Extrusion for Polyethylene. Nihon Reoroji Gakkaishi, 2016, 44, 23-27.	1.0	9
124	Transparent polymer blends composed of cellulose acetate propionate and poly(epichlorohydrin). Cellulose, 2008, 15, 17-22.	4.9	8
125	Segregation behavior of polyethylene with broad molecular weight distribution by annealing procedure in temperature gradient. Journal of Polymer Research, 2011, 18, 2449-2453.	2.4	8
126	Heatâ€induced Supramolecular Crosslinking of Dumbbellâ€shaped PEG with Î²â€CD Dimer Based on Reversible Looseâ€fit Rotaxanation. Macromolecular Chemistry and Physics, 2011, 212, 211-215.	2.2	8

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127	Effect of shear history on flow instability at capillary extrusion for longâ€chain branched polyethylene. Journal of Applied Polymer Science, 2012, 124, 429-435.	2.6	8
128	Interphase transfer of tackifier between poly(butadiene) and poly(styrene-co-butadiene). Journal of Materials Science, 2013, 48, 2046-2052.	3.7	8
129	Wavelength dispersion of birefringence of oriented polyethylene films. Applied Optics, 2017, 56, 3806.	2.1	8
130	Perpendicular orientation between dispersed rubber and polypropylene molecules in an oriented sheet. Polymer Journal, 2018, 50, 309-318.	2.7	8
131	Effect of acetyl substitution on the optical anisotropy of cellulose acetate films. Cellulose, 2018, 25, 4453-4462.	4.9	8
132	Carbon nanotube localization at interface in cocontinuous blends of polyethylene and polycarbonate. Journal of Applied Polymer Science, 2020, 137, 48676.	2.6	8
133	Anomalous rheological properties of polyethylene molecular composites. Polymer Engineering and Science, 2006, 46, 1284-1291.	3.1	7
134	Crystallization behavior of polybutadiene containing silica particles. Journal of Applied Polymer Science, 2013, 128, 1848-1853.	2.6	7
135	Flow property at capillary extrusion for ethyleneâ€“tetrafluoroethylene copolymer. Journal of Fluorine Chemistry, 2015, 176, 20-25.	1.7	7
136	Surface improvement on water and oil affinities and absorption rate of PVA/Tung oil-coated paperboard and fiberboard. Journal of Coatings Technology Research, 2016, 13, 345-354.	2.5	7
137	Autonomic healing of thermoplastic elastomer composed of triblock copolymer. Journal of Materials Science, 2017, 52, 1214-1220.	3.7	7
138	Application of the Hofmeister series to the structure and properties of poly(vinyl alcohol) films containing metal salts. Polymer Journal, 2021, 53, 557-564.	2.7	7
139	Effect of Molecular Size on the Correlated Dynamics of Low-Mass Molecule and Local Chain Motion in Antiplasticized Polycarbonate. Nihon Reoroji Gakkaishi, 2019, 47, 111-117.	1.0	7
140	Cyclic Olefin Copolymer Bearing Pendant Fluorenyl Groups with High Refractive Index and Low Chromatic Dispersion. Macromolecules, 2022, 55, 125-132.	4.8	7
141	Evaluation of microscopic structural changes during strain hardening of polyethylene solids using In situ Raman, SAXS, and WAXD measurements under step-cycle test. Polymer, 2022, 250, 124869.	3.8	7
142	Viscoelastic Properties of Fully Biomass-Based Transparent Plastic Comprising Cellulose Acetate and Citrate Ester. Materials, 2022, 15, 3038.	2.9	7
143	The effect of flexible chains on the orientation dynamics of small molecules dispersed in polymer films during stretching. Polymer Journal, 2015, 47, 294-301.	2.7	6
144	Design of thermochromic polymer blends containing lowâ€mass compounds. Journal of Applied Polymer Science, 2018, 135, 45927.	2.6	6

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145	Rheological Evaluation of Carbon Nanotube Redistribution in Polymer Melt. Nihon Reoroji Gakkaishi, 2019, 47, 105-110.	1.0	6
146	Effect of Neutralizer on Transparency of Nucleating Agent-Containing Polypropylene. Polymers, 2021, 13, 680.	4.5	6
147	Complicated Structure Change during Capillary Extrusion of Binary Blends of Polycarbonate and Poly(methyl methacrylate). Materials, 2022, 15, 2783.	2.9	6
148	Processability and mechanical properties for binary blends of PP and LLDPE produced by metallocene catalyst. Journal of Applied Polymer Science, 2009, 113, 3368-3375.	2.6	5
149	Modulation of reversible self-assembling of dumbbell-shaped poly(ethylene glycol)s and Î²-cyclodextrins: precipitation and heat-induced supramolecular crosslinking. Polymer Journal, 2011, 43, 893-900.	2.7	5
150	Effect of water absorption on the structure and properties of isosorbide-based polycarbonate. Polymer, 2020, 202, 122713.	3.8	5
151	Rheological Properties of Polyolefin Blends Containing Long-Chain Branched Polypropylene as Dispersed Phase. Nihon Reoroji Gakkaishi, 2020, 48, 109-112.	1.0	5
152	Effect of thermal history on the structure and mechanical properties of a thermoplastic polyester elastomer. Polymer, 2022, 238, 124376.	3.8	5
153	Segregation Behavior of Miscible PC/PMMA Blends during Injection Molding. Materials, 2022, 15, 2994.	2.9	5
154	Effect of mixing conditions on the rheological and optical properties of chemically modified poly(ethylene terephthalateâ€‹coâ€‹ethylene isophthalate). Journal of Applied Polymer Science, 2008, 107, 2665-2670.	2.6	4
155	The effect of poly(4â€‹methylâ€‹1â€‹pentene) on the nonisothermal crystallization kinetics of polypropylene. Polymer Crystallization, 2019, 2, e10082.	0.8	4
156	Moisture-sensitive smart hot-melt adhesive from polyamide 6. SN Applied Sciences, 2020, 2, 1.	2.9	4
157	Viscosity decrease by interfacial slippage between immiscible polymers. Polymer Engineering and Science, 2021, 61, 1096-1103.	3.1	4
158	Stress relaxation under large step equibiaxial elongation for lowâ€‹density polyethylene. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1275-1284.	2.1	3
159	Transparency of rubber-toughened polymer blend containing plasticizer. Journal of Applied Polymer Science, 2014, 131, n/a-n/a.	2.6	3
160	Control of Chain Orientation in Blends of Polypropylene and Polybuteneâ€‹1. Macromolecular Materials and Engineering, 2017, 302, 1600413.	3.6	3
161	Improvement of mechanical toughness of polypropylene by laminating with elastomer. Journal of Polymer Research, 2019, 26, 1.	2.4	3
162	Rheological Properties of Olefinic Thermoplastic Elastomers. Nihon Reoroji Gakkaishi, 1995, 23, 125-130.	1.0	3

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163	Impact of Magnesium Salt on the Mechanical and Thermal Properties of Poly(vinyl alcohol). Polymers, 2021, 13, 3760.	4.5	3
164	Morphology and Mechanical Properties in Blends of Polypropylene and Polyolefin-Based Copolymers. , 0, , 224-268.		2
165	Dynamical rigidity of cellulose derivatives in melts. Polymer Journal, 2014, 46, 149-154.	2.7	2
166	Study on Crosslinked Structure and Thermal Properties of Polymer Networks Based on Tung Oil and PVA with Different Catalytic Systems. Macromolecular Symposia, 2017, 372, 108-114.	0.7	2
167	Impact of Mixing Method on Rheological Instability for Binary Mixture of Linear Lowâ€Density Polyethylene. Advances in Polymer Technology, 2018, 37, 1153-1160.	1.7	2
168	Origin of stress and birefringence generation at hotâ€stretching of poly(methyl methacrylate) containing lowâ€molecularâ€weight compound. Journal of Applied Polymer Science, 2021, 138, 49707.	2.6	2
169	Material Strength in Molten State for Foam. Polymeric Foams Series, 2014, , 83-118.	0.0	2
170	Preparation of Microporous Film Composed of Polypropylene Containing Î²-Form Nucleating Agent. Nihon Reoroji Gakkaishi, 2022, 50, 171-179.	1.0	2
171	Crystallinity enhancement of extruded polypropylene containing poly(vinyl alcohol) fibers prepared in situ. Polymer, 2022, 254, 125043.	3.8	2
172	Alteration in Rheological Properties of Polyethylene by Extrusion Processing. Seikei-Kakou, 2009, 21, 745-752.	0.0	1
173	Self-repairing property of a polymer solid with enhanced segmental motion. , 2020, , 87-102.		1
174	Material design of intelligent plastic products with sound generation function due to snap-through buckling. Engineering Research Express, 2021, 3, 015006.	1.6	1
175	Structure and Properties of Rubbers With Silica Nanoparticles as Petroleum-Free Fillers. Advanced Structured Materials, 2015, , 563-574.	0.5	1
176	Rheo-Raman Spectroscopic Study of Microscopic Deformation Behavior of Low- and High-Density Polyethylene Solids under Uniaxial Deformation. Nihon Reoroji Gakkaishi, 2022, 50, 287-294.	1.0	1
177	Shear Modification and Elongational Behavior of Two Types of Low-Density Polyethylene Melts with Different Long Chain Branching. AIP Conference Proceedings, 2008, , .	0.4	0
178	Orientation Behavior of Low-mass Compounds in Cross-linked Rubber During Stretching. Seikei-Kakou, 2015, 27, 305-309.	0.0	0
179	Interphase Transfer of Tackifier between Immiscible Rubbers. Journal of Macromolecular Science - Physics, 2016, 55, 262-271.	1.0	0
180	Effect of metal salt incorporation on structure and properties for poly(vinyl alcohol). AIP Conference Proceedings, 2019, , .	0.4	0

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181	Effect of carbon nanotube addition on molecular orientation of polyethylene. AIP Conference Proceedings, 2019, , .	0.4	0
182	Effect of flow field on structure and properties for polycarbonate blends. AIP Conference Proceedings, 2019, , .	0.4	0
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