Koji Nishida

List of Publications by Year
in descending order

95 papers	3,190 citations	159585 30 h-index	161849 54 g-index
96 all docs	96 docs citations	96 times ranked	2597 citing authors

#	Article	IF	Citations
1	Visualization of Nonequilibrium Properties of a Crystalline Polymer: Formation of Ring-Lite Due to the Gibbsâ€"Thomson Effect and Dark-Ring Due to the Melting Point Inversion. Crystal Growth and Design, 2022, 22, 441-448.	3.0	3
2	Crystal morphology of polyurea on rapid quenching. Polymer, 2021, 213, 123201.	3.8	5
3	Effect of organic anion with multiple hydrophobic sites on gelation and phase separation in aqueous methylcellulose solution: Beyond simple salting-in effect. Polymer, 2019, 178, 121574.	3.8	7
4	Device for Simultaneous Measurements of Viscosity and Light Transmittance with Example of Application. Journal of Fiber Science and Technology, 2019, 75, 58-62.	0.4	1
5	Molecular weight component dependence of shishâ€kebab structure of polyethylene blends with Xâ€ray and neutron scattering measurements covering a wide spatial scale. Polymer Crystallization, 2019, 2, e10034.	0.8	3
6	A study on the isothermal crystallization of poly(3-methylbutene-1). Polymer Journal, 2019, 51, 173-182.	2.7	0
7	Specifications of Multiple-Temperature-Jump Hot-Stage for <i>In Situ</i> Observation and Examples of Application. Journal of Fiber Science and Technology, 2019, 75, 145-152.	0.4	6
8	Salting-out and salting-in effects of amphiphilic salt on cloud point of aqueous methylcellulose. Process Biochemistry, 2017, 59, 52-57.	3.7	12
9	Role of molecular weight in shish-kebab formation during drawing by small-angle neutron and X-ray scattering. Polymer Journal, 2017, 49, 831-837.	2.7	10
10	Quasi-Equilibrium Gelation Temperature of Aqueous Methylcellulose. Journal of Fiber Science and Technology, 2016, 72, 251-257.	0.4	3
11	A Study on Polymerization-Induced Phase Separation (PIPS) of Epoxy Solution in Oligoethylene Glycol Aiming at Controlling the Characteristic Length. Journal of Fiber Science and Technology, 2016, 72, 126-131.	0.4	1
12	Isothermal Crystallization Process of Poly(<scp>l</scp>-lactic acid)/Poly(<scp>d</scp>-lactic acid) Blends after Rapid Cooling from the Melt. ACS Omega, 2016, 1, 476-482.	3.5	32
13	Early aggregation preceding the nucleation of insulin amyloid fibrils as monitored by small angle X-ray scattering. Scientific Reports, 2015, 5, 15485.	3.3	51
14	Flow and Deformation-induced Polymer Crystallization by SANS and SAXS. Nihon Kessho Gakkaishi, 2015, 57, 27-33.	0.0	0
15	Saltingâ€In and Saltingâ€Out Effects on Cloud Point of Aqueous Methylcellulose by Addition of Monomeric and Polymeric Sodium Styrene Sulfonate. Journal of Fiber Science and Technology, 2015, 71, 297-301.	0.0	4
16	Vitrification and crystallization of poly(butylene-2,6-naphthalate). Thermochimica Acta, 2015, 603, 110-115.	2.7	18
17	Microbeam Wide-Angle X-ray Scattering Study on Precursor of Shish Kebab. Effects of Shear Rate and Annealing on Inner Structure. Macromolecules, 2015, 48, 3337-3343.	4.8	19
18	Relationship between the local dynamics and gas permeabilityÂofÂpolyacetylenes containing polymethylated indan/tetrahydronaphtalene moieties. Polymer, 2014, 55, 182-186.	3.8	5

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19	Trajectory of Critical Point in Polymerization-Induced Phase Separation of Epoxy/Oligoethylene Glycol Solutions. Macromolecules, 2014, 47, 4453-4459.	4.8	12
20	Critical Dissolution Ionic Strength of Aqueous Solution of Chitosan Hydrochloride Salt. Journal of Fiber Science and Technology, 2014, 70, 225-231.	0.0	6
21	Mesomorphic phase formation of plasticized poly(<scp>l</scp>â€lactic acid). Journal of Applied Polymer Science, 2014, 131, .	2.6	9
22	Structural analysis of poly(ethylene terephthalate) during uniaxial drawing above the glass transition temperature. Polymer Journal, 2013, 45, 50-56.	2.7	13
23	Precursor of Shish-Kebab above the Melting Temperature by Microbeam X-ray Scattering. Macromolecules, 2013, 46, 3031-3036.	4.8	52
24	Dewetting Process of Deuterated Polystyrene and Poly(vinyl methyl ether) Blend Thin Films via Phase Separation. Macromolecules, 2013, 46, 4540-4547.	4.8	15
25	In situ small-angle X-ray and neutron scattering measurements on a blend of deuterated and hydrogenated polyethylenes during uniaxial drawing. Polymer Journal, 2013, 45, 293-299.	2.7	14
26	Distribution of glass transition temperature in multilayered poly(methyl methacrylate) thin film supported on a Si substrate as studied by neutron reflectivity. Physical Review E, 2013, 88, 032601.	2.1	38
27	Giant single crystal of isotactic polypropylene showing near-equilibrium melting temperature. Polymer Journal, 2013, 45, 287-292.	2.7	12
28	Precursor of Shish-Kebab in Atactic Polystyrene/Isotactic Polystyrene Blend above Nominal Melting Temperature. Macromolecules, 2012, 45, 4630-4637.	4.8	26
29	Relationship between the Local Dynamics and Gas Permeability of Para-Substituted Poly(1-chloro-2-phenylacetylenes). Macromolecules, 2012, 45, 6008-6014.	4.8	20
30	Dielectric Behavior of Guest cis-Polyisoprene Confined in Spherical Microdomain of Triblock Copolymer.. Macromolecules, 2012, 45, 2809-2819.	4.8	14
31	Heating rate effects on the crystallization behavior of isotactic polypropylene from mesophase â€“ A de-polarized light transmission study. Polymer, 2012, 53, 2777-2782.	3.8	11
32	In situ observations of the mesophase formation of isotactic polypropyleneâ€”A fast time-resolved X-ray diffraction study. Polymer Journal, 2012, 44, 95-101.	2.7	25
33	Structure and dynamics of poly(vinyl alcohol) gels in mixtures of dimethyl sulfoxide and water. Polymer Journal, 2012, 44, 83-94.	2.7	31
34	Relaxation of shishâ€kebab precursor in isotactic polystyrene after shortâ€term shear flow. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 214-221.	2.1	21
35	Melt memory effects on recrystallization of polyamide 6 revealed by depolarized light scattering and smallâ€angle Xâ€ray scattering. Journal of Applied Polymer Science, 2011, 122, 1913-1920.	2.6	18
36	Interfacial properties of polystyrene thin films as revealed by neutron reflectivity. Physical Review E, 2011, 84, 031802.	2.1	37

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37	Distributions of glass-transition temperature and thermal expansivity in multilayered polystyrene thin films studied by neutron reflectivity. Physical Review E, 2011, 83, 021801.	2.1	62
38	Heterogeneity in Polymer Thin Films. , 2011, , .		0
39	Mesomorphic Phase of Isotactic Polypropylene â€•Part2â€•. Seikei-Kakou, 2011, 23, 418-420.	0.0	0
40	Fundamental Properties of Polymer Solids. Seikei-Kakou, 2010, 22, 362-365.	0.0	0
41	Multilamellar Structures Induced by Hydrophilic and Hydrophobic Ions Added to a Binary Mixture of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="bold">D</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="bold">O</mml:mi></mml:math>and 3-Methylpyridine. Physical Review Letters, 2009, 103, 167803.	7.8	63
42	Loosening Xyloglucan Accelerates the Enzymatic Degradation of Cellulose in Wood. Molecular Plant, 2009, 2, 904-909.	8.3	69
43	Time-resolved specular and off-specular neutron reflectivity measurements on deuterated polystyrene and poly(vinyl methyl ether) blend thin films during dewetting process. Journal of Chemical Physics, 2009, 131, 104907.	3.0	15
44	Improvement of poly(vinyl alcohol) properties by the addition of magnesium nitrate. Journal of Applied Polymer Science, 2009, 112, 1647-1652.	2.6	23
45	Precursor of shishâ€“kebab in isotactic polystyrene under shear flow. Polymer, 2009, 50, 2095-2103.	3.8	71
46	Effect of Polylactide Stereocomplex on the Crystallization Behavior of Poly(<scp>l</scp>-lactic acid). Macromolecules, 2009, 42, 4739-4745.	4.8	180
47	Glassy Dynamics and Heterogeneity of Polymer Thin Films. Journal of the Physical Society of Japan, 2009, 78, 041004.	1.6	20
48	Oriented Structure in Isotactic Polystyrene Melt Induced by Shear Flow. Kobunshi Ronbunshu, 2009, 66, 419-427.	0.2	6
49	In Situ Observation of Structure Formation in Fibers and Films. Journal of Fiber Science and Technology, 2009, 65, P.337-P.340.	0.0	0
50	A high-resolution small-angle light scattering instrument for soft matter studies. Journal of Applied Crystallography, 2008, 41, 723-728.	4.5	27
51	Phase separation and dewetting in polystyrene/poly(vinyl methyl ether) blend thin films in a wide thickness range. Polymer, 2008, 49, 254-262.	3.8	46
52	Mesomorphic Phase of Poly(butylene-2,6-naphthalate). Macromolecules, 2008, 41, 3157-3161.	4.8	38
53	Molecular weight dependence of mean square displacement in ultrathin polymer films as studied by inelastic neutron scattering. Physical Review E, 2008, 77, 032801.	2.1	10
54	Control of Phase Structure of Thermoplastic Polyurethane by Multiple Temperature Jump Method. Kobunshi Ronbunshu, 2007, 64, 96-101.	0.2	1

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55	The Effects of Ultra-High Molecular Weight Components on Crystallization under Shear Flow. Kobunshi Ronbunshu, 2007, 64, 419-428.	0.2	2
56	Hierarchic Structure of Shish-Kebab by Neutron Scattering in a WideQRange. Macromolecules, 2007, 40, 3650-3654.	4.8	102
57	Crystallization of Polyethylene Blends under Shear Flow. Effects of Crystallization Temperature and Ultrahigh Molecular Weight Component. Macromolecules, 2007, 40, 7270-7275.	4.8	71
58	Gelation-Induced Phase Separation of Poly(vinyl alcohol) in Mixed Solvents of Dimethyl Sulfoxide and Water. Macromolecules, 2007, 40, 8750-8755.	4.8	17
59	Lower critical solution temperature type of phase separation in aqueous mixture of polyelectrolytes. Colloids and Surfaces B: Biointerfaces, 2007, 56, 265-269.	5.0	9
60	Crystallization and Melting Behavior of Poly (<scp>l</scp>-lactic Acid). Macromolecules, 2007, 40, 9463-9469.	4.8	548
61	Quantum Beam Studies on Polymer Crystallization under Flow. Polymer Journal, 2007, 39, 1085-1097.	2.7	1
62	Precursor of Primary Nucleation in Isotactic Polystyrene Induced by Shear Flow. , 2007, , 87-96.		13
63	Polymer Crystallization under Shear Flow - Formation Mechanism of Fiber Structure -. Journal of Fiber Science and Technology, 2007, 63, P.58-P.62.	0.0	0
64	Mesomorphic Phase in Crystalline Polymer. Journal of Fiber Science and Technology, 2007, 63, P.412-P.416.	0.0	0
65	Crystallization of Isotactic Polypropylene from Prequenched Mesomorphic Phase. Macromolecules, 2006, 39, 8035-8040.	4.8	98
66	Crystallization of Isotactic Polypropylene under Shear Flow Observed in a Wide Spatial Scale. Macromolecules, 2006, 39, 7617-7625.	4.8	86
67	Effects of high molecular weight component on crystallization of polyethylene under shear flow. Polymer, 2006, 47, 5669-5677.	3.8	103
68	Rheo-SANS study on gelation of poly(vinyl alcohol). Physica B: Condensed Matter, 2006, 385-386, 810-813.	2.7	5
69	Hydrogen bonding interactions of styrene-maleimide copolymers with diaminotriazine derivatives. Journal of Applied Polymer Science, 2006, 101, 2338-2346.	2.6	9
70	Low-energy excitations and the fast process of polystyrene thin supported films studied by inelastic and quasielastic neutron scattering. Physical Review E, 2006, 74, 021801.	2.1	25
71	Elementary Process of Polymer Crystallization and Self-Organization. Journal of Fiber Science and Technology, 2006, 62, P.88-P.92.	0.0	5
72	Crystallization of polyethylene under shear flow as studied by time resolved depolarized light scattering. Effects of shear rate and shear strain. Polymer, 2005, 46, 1878-1885.	3.8	69

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73	Small-angle neutron scattering study of poly(vinyl alcohol) gels during melting process. Journal of Applied Polymer Science, 2005, 95, 157-160.	2.6	4
74	FT-IR Study of the Morphological Interactions in PHB/PAZO Blends and their Dependence on Solvent Variation. Polymers and Polymer Composites, 2005, 13, 681-686.	1.9	2
75	The Effect of Solvent on the Miscibility of Blends of Poly 1-[4-(3-carboxy-4-hydroxy-phenylazo)benzene Polymer Composites, 2005, 13, 443-452.	1.9	2
76	Inelastic Neutron Scattering Study of Low Energy Excitations in Polymer Thin Films. Physical Review Letters, 2005, 95, 056102.	7.8	45
77	Effect of Isotacticity on Formation of Mesomorphic Phase of Isotactic Polypropylene. Macromolecules, 2005, 38, 8749-8754.	4.8	76
78	Investigation into Polyhydroxybutyrate Morphology under the Influence of Varying Solvent Type. Polymers and Polymer Composites, 2004, 12, 699-703.	1.9	1
79	Theoretical calculation of the reduced viscosity of aqueous suspensions of charged spherical particles. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1068-1074.	2.1	6
80	Spinodal patterns indicating unstable regime of polymer crystallization. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1817-1822.	2.1	16
81	Novel morphology of isotactic polypropylene crystal generated by a rapid temperature jump method. Polymer, 2004, 45, 1433-1437.	3.8	32
82	Thermal expansion behavior of ultrathin polymer films supported on silicon substrate. Physical Review E, 2004, 69, 061803.	2.1	96
83	Effects of cononsolvency on gelation of poly(vinyl alcohol) in mixed solvents of dimethyl sulfoxide and water. Polymer, 2003, 44, 4075-4078.	3.8	41
84	Details of Structure Formation During the Induction Period of Spinodal-Type Polymer Crystallization. Journal of Macromolecular Science - Physics, 2003, 42, 709-715.	1.0	15
85	Detailed analysis of the induction period of polymer crystallization by depolarized light scattering. Physical Review E, 2002, 65, 061801.	2.1	28
86	Determination of intrinsic viscosity of polyelectrolyte solutions. Polymer, 2002, 43, 1295-1300.	3.8	66
87	Theoretical calculation of reduced viscosity of polyelectrolyte solutions. Polymer, 2001, 42, 8657-8662.	3.8	31
88	Further evidence of spinodal decomposition during the induction period of polymer crystallization: Time-resolved small-angle x-ray scattering prior to crystallization of poly(ethylene naphthalate). Physical Review E, 2000, 62, R1497-R1500.	2.1	41
89	Conformational Change and Orientation Fluctuations Prior to the Crystallization of Syndiotactic Polystyrene. Macromolecules, 1999, 32, 8932-8937.	4.8	105
90	Conformational Change and Orientation Fluctuations of Isotactic Polystyrene Prior to Crystallization. Polymer Journal, 1999, 31, 722-727.	2.7	60

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91	Hierarchic Structure of Poly(vinyl alcohol) Gels.. Kobunshi Ronbunshu, 1998, 55, 595-602.	0.2	5
92	Electrostatic persistence length of NaPSS polyelectrolytes determined by a zero average contrast SANS technique. Polymer, 1997, 38, 6083-6085.	3.8	33
93	Charge Density Dependence of Correlation Length Due to Electrostatic Repulsion in Polyelectrolyte Solutions. Macromolecules, 1995, 28, 2472-2475.	4.8	47
94	Spinodal Crystallization of Polymers: Crystallization from the Unstable Melt. , 0, , 187-240.		88
95	Formation of Shish-Kebab Structures in Ultrahigh Molecular Weight Polyethylene (UHMWPE)/Low Molecular Weight Polyethylene (LMWPE) Composites under Shear Flow. , 0, , 552-576.		0