

# Fumitoshi Kaneko

## List of Publications by Year in descending order

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88  
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304743

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#	ARTICLE	IF	CITATIONS
1	Interactive Polymorphic Crystallization Behavior in Eutectic Triacylglycerol Mixtures Containing Molecular Compound Crystals. <i>Crystal Growth and Design</i> , 2022, 22, 1753-1763.	3.0	9
2	Photoacoustic Experimental System to Measure Infrared Absorption. <i>Journal of Infrared Spectroscopy</i> , 2021, 69, 2_32-2_37.	0.0	0
3	First <i>In Situ</i> X-ray Scattering Measurements of Insect Body Surface Lipids: American Cockroach. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1969-1972.	4.6	0
4	Quasielastic Neutron Scattering Study on Polymorphism of Glycerol Deuterated Triacylglycerols: Comparison with Saturated, Trans-unsaturated and Cis-unsaturated Triacylglycerols. <i>Chemistry Letters</i> , 2021, 50, 435-438.	1.3	0
5	Light Scattering and Absorption Complementarities to Neutron Scattering: <i>In Situ</i> FTIR and DLS Techniques at the High-Intensity and Extended Q-Range SANS Diffractometer KWS-2. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5135.	2.5	4
6	Polarized FTIR ATR Spectroscopic Study on the Structure of Chocolate: Influence of Mold on Fat Crystalline Structures. <i>Crystal Growth and Design</i> , 2021, 21, 3290-3298.	3.0	4
7	Cuticular Lipid Topology on Insect Body Surfaces Studied by Synchrotron Radiation FTIR ATR Microspectroscopy. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9757-9767.	2.6	3
8	Binary Phase Behavior of 1,3-Distearoyl-2-oleoyl-sn-glycerol (SOS) and Trilaurin (LLL). <i>Molecules</i> , 2020, 25, 5313.	3.8	8
9	Structural Study on Fat Crystallization Process Heterogeneously Induced by Graphite Surfaces. <i>Molecules</i> , 2020, 25, 4786.	3.8	6
10	Complexation of Syndiotactic Polystyrene with Branched Molecules. <i>Macromolecular Symposia</i> , 2019, 386, 1900008.	0.7	0
11	A new simultaneous measurement system of wide Q-range small angle neutron scattering combined with polarized Fourier transform infrared spectroscopy. <i>Review of Scientific Instruments</i> , 2019, 90, 093906.	1.3	4
12	Cocrystal Formation between Syndiotactic Polystyrene and Polyethylene Glycol from Binary Solute Solutions. <i>Chemistry Letters</i> , 2019, 48, 177-180.	1.3	2
13	ATR FTIR Spectroscopic Study on Insect Body Surface Lipids Rich in Methylene-Interrupted Diene. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12322-12330.	2.6	9
14	Anisotropic Dynamics of Benzonitrile Confined in $\hat{\nu}$ and $\hat{\mu}$ Clathrate Phases of Syndiotactic Polystyrene. <i>Macromolecules</i> , 2018, 51, 8611-8619.	4.8	12
15	Simultaneous small-angle neutron scattering and Fourier transform infrared spectroscopic measurements on cocrystals of syndiotactic polystyrene with polyethylene glycol dimethyl ethers. <i>Journal of Applied Crystallography</i> , 2016, 49, 1420-1427.	4.5	10
16	Simultaneous Time-Resolved SAXS and WAXS Study on Guest Exchange Process of Syndiotactic Polystyrene with Aromatic Compounds: Size and Shape Effects of Target Molecules. <i>Macromolecular Symposia</i> , 2016, 359, 63-71.	0.7	4
17	Dynamics of polar aromatic molecules confined in a nanocavity of $\hat{\nu}$ -phase of syndiotactic polystyrene as studied by dielectric spectroscopy. <i>Chemical Physics</i> , 2016, 479, 122-128.	1.9	17
18	ATR FTIR Spectroscopic Study on Complexation of Syndiotactic Polystyrene with $n$ -Alkyl Carboxylic Acids. <i>Macromolecular Symposia</i> , 2016, 369, 114-118.	0.7	6

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19	Development of a Simultaneous SANS/FTIR Measuring System. <i>Chemistry Letters</i> , 2015, 44, 497-499.	1.3	15
20	Cocrystallization of Syndiotactic Polystyrene by a Guest Exchange Phenomenon: Investigation of the Mechanism and Preparation of Polymer Composites. <i>Kobunshi Ronbunshu</i> , 2014, 71, 540-553.	0.2	0
21	Multiple Site Occupation of Flexible Polymeric Compounds in Cocrystals of Syndiotactic Polystyrene. <i>Chemistry Letters</i> , 2014, 43, 904-906.	1.3	5
22	Time-resolved small-angle neutron scattering study on guest-exchange processes in co-crystals of syndiotactic polystyrene. <i>Journal of Applied Crystallography</i> , 2014, 47, 6-13.	4.5	10
23	Dynamics of Polar Low Mass Molecules Encapsulated in the $\hat{\Gamma}$ -cocrystal of Syndiotactic Polystyrene. <i>Nihon Reoroji Gakkaishi</i> , 2014, 42, 19-23.	1.0	5
24	Time-resolved SANS studies on guest exchange processes in co-crystals of $\hat{\Lambda}$ syndiotactic polystyrene. <i>Polymer</i> , 2013, 54, 3145-3149.	3.8	14
25	ATR FTIR spectroscopic study on acceleration effect of additives on guest exchange process of Syndiotactic polystyrene complexes. <i>Polymer</i> , 2013, 54, 760-765.	3.8	16
26	Open end correction for a flanged circular tube using the diffusion process. <i>European Journal of Physics</i> , 2013, 34, 1159-1165.	0.6	6
27	X-ray Diffraction and Vibrational Spectroscopic Study of the Influence of Cis- and Trans-Unsaturation on the $\hat{\Gamma}$ -Phase of Triacylglycerols. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8896-8905.	2.6	4
28	Simultaneous SAXS and WAXS Study on the Guest Exchange Process of Syndiotactic Polystyrene: Crystalline Complex Formation with Triethylene Glycol Dimethyl Ether. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1893-1900.	2.2	8
29	Simple model of a photoacoustic system as a CR circuit. <i>European Journal of Physics</i> , 2012, 33, 623-635.	0.6	1
30	Neutron Diffraction and IR Spectroscopy Study on Crystalline Complexation of Syndiotactic Polystyrene with 15-Crown-5 and 18-Crown-6. <i>Chemistry Letters</i> , 2012, 41, 284-286.	1.3	2
31	Dielectric Relaxation of Guest Molecules in a Clathrate Structure of Syndiotactic Polystyrene. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14461-14469.	2.6	12
32	Solid-State Low Temperature $\hat{\alpha}'$ Middle Temperature Phase Transition of Linoleic Acid Studied by FTIR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6289-6295.	2.6	17
33	Complexation of Syndiotactic Polystyrene with Crown Ethers: 12-Crown-4, 15-Crown-5 and 18-Crown-6. <i>Soft Materials</i> , 2011, 9, 107-123.	1.7	13
34	Temperature Dependence of Structure and Dynamic Properties of Oleic Acid $\hat{\Gamma}$ and $\hat{\Gamma}$ Phases Studied by FTIR Spectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 403-412.	3.2	10
35	Vibrational spectroscopic study on the polytypism of n-alkanes and fatty acids. <i>Current Opinion in Colloid and Interface Science</i> , 2011, 16, 367-373.	7.4	3
36	Crystalline Complex of Syndiotactic Polystyrene with Poly(ethylene Glycol) Dimethyl Ethers. <i>Macromolecular Rapid Communications</i> , 2011, 32, 988-993.	3.9	22

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37	Complexation of Syndiotactic Polystyrene with 12-Crown-4. <i>Macromolecular Rapid Communications</i> , 2010, 31, 554-557.	3.9	18
38	Photoacoustic Experimental System To Confirm Infrared Absorption Due to Greenhouse Gases. <i>Journal of Chemical Education</i> , 2010, 87, 202-204.	2.3	7
39	Incoherent Quasielastic Neutron Scattering Study on the Polymorphism of Tristearin: Dynamical Properties of Hydrocarbon Chains. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9706-9710.	2.6	2
40	Adsorption-Induced Conformational Changes of Antifreeze Glycoproteins at the Ice/Water Interface. <i>Journal of Physical Chemistry B</i> , 2007, 111, 14355-14361.	2.6	28
41	Structural Study on Polymorphism of Cis-Unsaturated Triacylglycerol: Triolein. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4346-4353.	2.6	43
42	Structural and Dynamical Properties of n-Alkane Molecules in Clathrate Phase of Syndiotactic Polystyrene. <i>Macromolecular Symposia</i> , 2006, 242, 113-119.	0.7	13
43	Molecular-Complex Formation of Syndiotactic Polystyrene with Stable Radical Molecules. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1643-1647.	3.9	50
44	Infrared spectroscopic study on polytypic transformation of growing single crystal of n-hexatriacontane (n-C <sub>36</sub> H <sub>74</sub> ). <i>Journal of Crystal Growth</i> , 2005, 275, e1751-e1756.	1.5	0
45	Inelastic neutron scattering study on the polytypism of even-numbered -alkanes. <i>Journal of Crystal Growth</i> , 2005, 275, e2181-e2186.	1.5	2
46	Quasi-elastic neutron scattering study on polymorphism of tristearin: relationship between dynamical properties and subcell structures. <i>Journal of Crystal Growth</i> , 2005, 275, e2187-e2193.	1.5	6
47	The First Example of a Polymer-Crystal Organic-Dye Composite Material: The Clathrate Phase of Syndiotactic Polystyrene with Azulene. <i>Advanced Materials</i> , 2005, 17, 1846-1850.	21.0	85
48	Study of thermodynamic stabilities of polytypes of n-C <sub>36</sub> H <sub>74</sub> by solubility measurements and incoherent inelastic neutron scattering. <i>Journal of Chemical Physics</i> , 2005, 122, 024903.	3.0	5
49	Guest Exchange Mechanism in the Clathrate Phase of Syndiotactic Polystyrene. <i>Macromolecules</i> , 2005, 38, 3380-3385.	4.8	15
50	Guest Exchange with n-Alkanes and Host-Guest Interactions in the Clathrate Phase of Syndiotactic Polystyrene. <i>Macromolecules</i> , 2005, 38, 3320-3326.	4.8	25
51	Infrared spectroscopic study of polytypic effects on the crystal-growth mechanism of n-hexatriacontane (n-C <sub>36</sub> H <sub>74</sub> ). <i>Journal of Chemical Physics</i> , 2005, 123, 134501.	3.0	2
52	The influence of polytypic structures on the M011 $\rightarrow$ M101 solid-solid phase transition of n-C <sub>36</sub> H <sub>74</sub> : An application of the oblique infrared transmission method. <i>Journal of Chemical Physics</i> , 2004, 121, 1121-1128.	3.0	5
53	Guest exchange process in syndiotactic polystyrene thin films measured by ATR-FTIR spectroscopy. <i>Polymer</i> , 2004, 45, 2221-2229.	3.8	35
54	Structural study on polymorphism of long-chain dicarboxylic acids using oblique transmission method for micro FT-IR spectrometers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 9-18.	3.9	9

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55	Selective Guest Uptake from Solvent Mixtures in the Clathrate Phase of Syndiotactic Polystyrene. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1900-1904.	3.9	64
56	Solid-state <sup>13</sup> C NMR Study on Order → Disorder Phase Transition in Oleic Acid. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4862-4868.	2.6	27
57	Polytypic Transition of n-Hexatriacontane during Solution Crystallization. <i>Crystal Growth and Design</i> , 2004, 4, 369-375.	3.0	11
58	The Influence of Polytypic Structures on the Solid-state <sup>13</sup> C NMR Spectra of n-Alkanes. <i>Chemistry Letters</i> , 2004, 33, 1358-1359.	1.3	5
59	Development of a micro-FT-IR system for three-dimensional structural studies. <i>Vibrational Spectroscopy</i> , 2003, 31, 11-17.	2.2	11
60	Polytypic transformation during crystal growth monitored by newly developed micro-FTIR system for three-dimensional structural studies. <i>Journal of Crystal Growth</i> , 2002, 237-239, 373-378.	1.5	3
61	X-ray and vibrational spectroscopic study on polymorphism of trielaidin. <i>Journal of Crystal Growth</i> , 2002, 237-239, 2227-2232.	1.5	19
62	Partial depolarization effect of high-numerical-aperture objectives on polarized microfocus Raman spectra of orthorhombic poly(oxymethylene) single crystal. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 455-459.	2.5	2
63	Polymorphic transformations during crystallization processes of fatty acids studied with FT-IR spectroscopy. <i>Journal of Crystal Growth</i> , 1999, 198-199, 1352-1359.	1.5	23
64	Structural changes in solvent-induced crystallization of syndiotactic polystyrene viewed from the time-resolved measurements of infrared/Raman spectra and X-ray diffraction. <i>Macromolecular Symposia</i> , 1999, 141, 33-46.	0.7	10
65	Polymorphic and Polytypic Transformations during Crystallization of Long-Chain Compounds. , 1999, , 45-53.		2
66	Structural analyses of polymorphic transitions of sn -1,3-distearoyl-2-oleoylglycerol (SOS) and sn -1,3-dioleoyl-2-stearoylglycerol (OSO): assessment on steric hindrance of unsaturated and saturated acyl chain interactions. <i>Journal of Lipid Research</i> , 1999, 40, 140-151.	4.2	50
67	Diversity in the fatty-acid conformation and chain packing of cis-unsaturated lipids. <i>Current Opinion in Structural Biology</i> , 1998, 8, 417-425.	5.7	57
68	Two Martensitic Transitions in the Opposite Directions in Pentadecanoic Acid. <i>Journal of Physical Chemistry B</i> , 1998, 102, 327-330.	2.6	8
69	A Rapid Reversible Solid-State Transition in the Å Form of Pentadecanoic Acid. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6184-6187.	2.6	3
70	Three-Dimensional Structural Study using Micro FT-IR Spectrometer on Polymorphism of Long-Chain Dicarboxylic Acids. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 316, 175-178.	0.3	4
71	Structural Analyses of Triacylglycerol Polymorphs with FT-IR Techniques. 1. Assignments of CH <sub>2</sub> Progression Bands of Saturated Monoacid Triacylglycerols. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8112-8119.	2.6	30
72	Martensitic Phase Transition of Petroselinic Acid: Influence of Polytypic Structure. <i>Journal of Physical Chemistry B</i> , 1997, 101, 285-292.	2.6	24

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73	Structural Analyses and Triacylglycerol Polymorphs with FT-IR Techniques. 2. $\beta'$ -Form of 1,2-Dipalmitoyl-3-myristoyl-sn-glycerol. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8120-8128.	2.6	32
74	Structure and Crystallization Behavior of the $\beta'$ Phase of Oleic Acid. <i>Journal of Physical Chemistry B</i> , 1997, 101, 1803-1809.	2.6	73
75	Polarized infrared attenuated total reflection spectroscopy for three-dimensional structural analysis on long-chain compounds. <i>Journal of Chemical Physics</i> , 1996, 105, 4812-4822.	3.0	12
76	Mechanism of the $\beta'$ and $\beta$ Reversible Solid-State Phase Transitions of Erucic Acid. <i>The Journal of Physical Chemistry</i> , 1996, 100, 9138-9148.	2.9	26
77	Oblique Infrared Transmission Spectroscopic Study on the $\beta'$ and $\beta$ Phase Transitions of Stearic Acid: Effects of Polytypic Structure. <i>The Journal of Physical Chemistry</i> , 1994, 98, 2185-2191.	2.9	26
78	Vibrational spectroscopic study on polymorphism of erucic acid and palmitoleic acid: $\beta'$ and $\beta$ reversible solid state phase transitions. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1994, 50, 1589-1603.	0.1	21
79	Infrared Spectroscopic and Chemical Etching Study on the Crystallization Process of the $\beta$ and $\beta'$ Forms of Stearic Acid: Roles of Dislocations in Single Crystals. <i>The Journal of Physical Chemistry</i> , 1994, 98, 3801-3808.	2.9	26
80	Vibrational Spectroscopic Study on Trigonal Poly(oxymethylene) Consisting of the Extended Chain Morphology. <i>Macromolecules</i> , 1994, 27, 5907-5911.	4.8	3
81	Polytypic structure and low-frequency Raman spectra of long-chain compounds: Stearic acid $\beta'$ form. <i>Journal of Raman Spectroscopy</i> , 1993, 24, 527-532.	2.5	6
82	FT-IR study of polymorphic transformations in SOS, POP, and POS. <i>The Journal of Physical Chemistry</i> , 1993, 97, 12967-12973.	2.9	58
83	Vibrational spectroscopic study on the occurrence of stearic acid $\beta$ and $\beta'$ forms: heterogeneous nucleation of the $\beta$ form on the surface of $\beta'$ crystals and the topotactic phase transition from $\beta'$ to $\beta$ . <i>The Journal of Physical Chemistry</i> , 1992, 96, 10554-10559.	2.9	22
84	Collective displacement of acyl chains on $\beta'$ phase transition of stearic acid. <i>The Journal of Physical Chemistry</i> , 1992, 96, 7104-7107.	2.9	11
85	Structure and transformation in polymorphism of petroselinic acid (cis-omega-12-octadecenoic acid). <i>The Journal of Physical Chemistry</i> , 1990, 94, 3180-3185.	2.9	43
86	MOLECULAR AND CRYSTAL STRUCTURES OF LIPIDS AND RELATED COMPOUNDS. <i>Journal of Dispersion Science and Technology</i> , 1989, 10, 319-350.	2.4	16
87	Vibrational spectroscopic study on polymorphism and order-disorder phase transition in oleic acid. <i>The Journal of Physical Chemistry</i> , 1986, 90, 6371-6378.	2.9	139
88	States of molecular assembly and physical properties of crystalline long-chain compounds studied by vibrational spectroscopy. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1986, 5, 1-20.	0.6	22