

# Tsunehisa Kimura

## List of Publications by Year in descending order

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papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Discrimination of two crystal forms of a DyBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconductor: tetragonal and orthorhombic forms having very close lengths of the axis. CrystEngComm, 2022, 24, 3807-3811.	1.3	1
2	Three-dimensional alignment of cellulose II microcrystals under a strong magnetic field. Cellulose, 2021, 28, 6757-6765.	2.4	6
3	Magnetic Processing of Diamagnetic Materials. Polymers, 2020, 12, 1491.	2.0	25
4	Orientation loss of microcrystals of DyBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> in a polymer composite during curing of the medium under an external magnetic field. CrystEngComm, 2020, 22, 5606-5612.	1.3	1
5	In situ solid-state NMR of a magnetically oriented microcrystal suspension. Journal of Magnetic Resonance, 2019, 309, 106618.	1.2	0
6	X-ray diffraction study on the orientation dynamics of biaxial microcrystals under static and rotating magnetic fields. CrystEngComm, 2019, 21, 4221-4226.	1.3	5
7	X-ray Single-Crystal Structural Analysis of a Magnetically Oriented Monoclinic Microcrystal Suspension of L-Glycine. Crystals, 2019, 9, 561.	1.0	1
8	Printing Birefringent Figures by Surface Tension-Directed Self-Assembly of a Cellulose Nanocrystal/Polymer Ink Components. ACS Applied Materials & Interfaces, 2019, 11, 1538-1545.	4.0	18
9	Magnetically textured powders— an alternative to single-crystal and powder X-ray diffraction methods. CrystEngComm, 2018, 20, 861-872.	1.3	15
10	Determination of the Anisotropic Rotational Diffusion Constant of Microcrystals Dispersed in Liquid Medium. Journal of Physical Chemistry A, 2018, 122, 9123-9127.	1.1	1
11	Solid-state NMR meets electron diffraction: determination of crystalline polymorphs of small organic microcrystalline samples. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 219-228.	0.2	7
12	Biaxial Magnetic Orientation of Zinc Citrate as Nucleating Agent of Poly(L-lactic acid). Chemistry Letters, 2017, 46, 830-832.	0.7	7
13	X-ray diffraction from magnetically oriented microcrystal suspensions detected by a shutterless continuous rotation method. Journal of Applied Crystallography, 2016, 49, 2100-2105.	1.9	8
14	Single-Crystal X-ray Diffraction Analysis of Microcrystalline Powders Using Magnetically Oriented Microcrystal Suspensions. Crystal Growth and Design, 2016, 16, 2810-2813.	1.4	6
15	Single-crystal structure determination from microcrystalline powders (λ/45 λ/4m) by an orientation attachment mountable on an in-house X-ray diffractometer. CrystEngComm, 2016, 18, 2404-2407.	1.3	9
16	X-ray crystal structure analysis of magnetically oriented microcrystals of lysozyme at 1.8 Å resolution. Journal of Applied Crystallography, 2016, 49, 457-461.	1.9	8
17	Neutron and X-ray single-crystal diffraction from protein microcrystals via magnetically oriented microcrystal arrays in gels. Acta Crystallographica Section D: Structural Biology, 2016, 72, 823-829.	1.1	5
18	Determination of <sup>31</sup> P Chemical Shift Tensor from Microcrystalline Powder by Using a Magnetically Oriented Microcrystal Array. Crystal Growth and Design, 2015, 15, 718-722.	1.4	2

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19	Magnetic Alignments of Endohedral Metallofullerene Nanorods under Magnetic Fields. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 35-39.	1.0	5
20	Single-crystal NMR approach for determining chemical shift tensors from powder samples via magnetically oriented microcrystal arrays. Journal of Magnetic Resonance, 2015, 255, 28-33.	1.2	2
21	Synchrotron Microscopic Fourier Transform Infrared Spectroscopy Analyses of Biogenic Guanine Crystals Along Axes of Easy Magnetization. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	0
22	Crystal System Determination from X-ray Diffraction of Magnetically Oriented Microcrystal Suspensions. Crystal Growth and Design, 2014, 14, 6486-6491.	1.4	4
23	Single crystal structure analysis via magnetically oriented microcrystal arrays. CrystEngComm, 2014, 16, 6630-6634.	1.3	24
24	One-dimensional core-shell cellulose-akaganeite hybrid nanocrystals: synthesis, characterization, and magnetic field induced self-assembly. RSC Advances, 2014, 4, 52542-52549.	1.7	13
25	Tunable Self-Assembly of Cellulose Nanowhiskers and Polyvinyl Alcohol Chains Induced by Surface Tension Torque. Biomacromolecules, 2014, 15, 60-65.	2.6	35
26	Determination of anisotropic magnetic susceptibility of a biaxial crystal via orientational fluctuation of its microcrystalline suspension under magnetic field. Japanese Journal of Applied Physics, 2014, 53, 055501.	0.8	3
27	Microcrystal-like cellulose fibrils as the diamagnetic director for microfluidic systems. Journal of Applied Physics, 2014, 115, 17B519.	1.1	9
28	Orientalional Distribution of Cellulose Nanocrystals in a Cellulose Whisker As Studied by Diamagnetic Anisotropy. Macromolecules, 2013, 46, 8957-8963.	2.2	31
29	Orientation Fluctuation of Microcrystals under Three-Dimensionally Constraining Dynamic Magnetic Field. Crystal Growth and Design, 2013, 13, 1815-1819.	1.4	10
30	Characterization of Three-Dimensional Magnetic Alignment for Magnetically Biaxial Particles. Japanese Journal of Applied Physics, 2013, 52, 013003.	0.8	11
31	Light-driven Bending of Polymer Films in Which Salicylidenephenylethylamine Crystals are Aligned Magnetically. Chemistry Letters, 2013, 42, 1517-1519.	0.7	21
32	Determination of Ratio of Diamagnetic Anisotropy of a Biaxial Crystal by X-ray Diffraction Measurement. Japanese Journal of Applied Physics, 2012, 51, 060203.	0.8	5
33	Magnetic field responsive silicone elastomer loaded with short steel wires having orientation distribution. Soft Matter, 2012, 8, 6206.	1.2	28
34	Chemical shift tensor determination using magnetically oriented microcrystal array (MOMA): <sup>13</sup> C solid-state CP NMR without MAS. Journal of Magnetic Resonance, 2012, 223, 68-72.	1.2	10
35	Magnetic Alignment of Magnetically Biaxial Diamagnetic Rods under Rotating Magnetic Fields. Japanese Journal of Applied Physics, 2012, 51, 057301.	0.8	2
36	Determination of Ratio of Diamagnetic Anisotropy of a Biaxial Crystal by X-ray Diffraction Measurement. Japanese Journal of Applied Physics, 2012, 51, 060203.	0.8	5

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37	X-ray Diffraction of a Magnetically Oriented Microcrystal Suspension of $\alpha$ -Alanine. Crystal Growth and Design, 2011, 11, 945-948.	1.4	20
38	Single-Crystal X-ray Diffraction Study of a Magnetically Oriented Microcrystal Array of Lysozyme. Crystal Growth and Design, 2011, 11, 12-15.	1.4	31
39	Effects of Carbon Contaminations on Electron-Induced Damage of $\text{SiO}_2$ Film Surface at Different Electron Primary Energies. Journal of Surface Analysis (Online), 2011, 18, 26-35.	0.1	3
40	Fabrication of a short carbon fiber/gel composite that responds to a magnetic field. Carbon, 2010, 48, 4015-4018.	5.4	16
41	X-ray diffraction study of a pseudo single crystal prepared from a crystal belonging to point group 2. Journal of Applied Crystallography, 2010, 43, 151-153.	1.9	30
42	Single-Crystal Neutron Diffraction Study of Pseudo Single Crystal Prepared from Microcrystalline Powder. Crystal Growth and Design, 2010, 10, 48-51.	1.4	13
43	Orientation of Feeble Magnetic Particles in Dynamic Magnetic Fields. Japanese Journal of Applied Physics, 2009, 48, 020217.	0.8	26
44	The pseudo-single-crystal method: a third approach to crystal structure determination. Journal of Applied Crystallography, 2009, 42, 535-537.	1.9	41
45	In-Situ Observation of the Reaction Between Iron and Carbon in TEM. Microscopy and Microanalysis, 2009, 15, 720-721.	0.2	0
46	Magnetic alignment and patterning of cellulose fibers. Science and Technology of Advanced Materials, 2008, 9, 024212.	2.8	29
47	The intensity changes of ultra-soft X-ray spectra of several light element oxides. Microscopy and Microanalysis, 2008, 14, 1286-1287.	0.2	2
48	The Quantitative Analysis of Super-Low Phosphorus Content of SUS316L Type Stainless Steel With EPMA Calibration Curve Method. Microscopy and Microanalysis, 2008, 14, 1136-1137.	0.2	1
49	Superconducting properties of filled skutterudite $\text{La}_{0.8}\text{Rh}_4\text{P}_{12}$ . Physical Review B, 2007, 75, .	1.1	13
50	The Non-destructive Chemical State Analysis of Al-Cu Intermetallic Compound by Ultra-soft X-ray Spectrometer with Al L-alpha.. Microscopy and Microanalysis, 2007, 13, .	0.2	0
51	The FE-WDS-EPMA Analysis of the Segregation at the Grain Boundary of Stainless Steel. Microscopy and Microanalysis, 2007, 13, .	0.2	2
52	Theoretical Study about Si L <sub>2,3</sub> Spectra with The Cluster Calculation. Microscopy and Microanalysis, 2007, 13, .	0.2	1
53	Filtration-Assisted Magnetic Micropatterning of Bacterial Cellulose. Polymer Journal, 2007, 39, 1199-1201.	1.3	3
54	Alignment and Micropatterning of Carbon Nanotubes in Polymer Composites Using Modulated Magnetic Field. Polymer Journal, 2007, 39, 589-592.	1.3	28

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55	Simultaneous Alignment and Micropatterning of Organic Crystallites under a Modulated Magnetic Field. <i>Langmuir</i> , 2006, 22, 4853-4855.	1.6	14
56	Magnetic Alteration of Crystallite Alignment Converting Powder to a Pseudo Single Crystal. <i>Langmuir</i> , 2006, 22, 3464-3466.	1.6	82
57	The Application of Micro Area Analysis of Al-Cu Junction by Wavelength-Dispersive EPMA Equipped with a FE Electron Gun.. <i>Microscopy and Microanalysis</i> , 2006, 12, 1420-1421.	0.2	1
58	Magnetic Alignment of Rhodamine B Intercalated in Synthetic Mica. <i>Macromolecular Symposia</i> , 2006, 242, 120-125.	0.4	8
59	Development of Ultra-Soft X-ray Spectrometer for Electron Probe Microanalysis. <i>Microscopy and Microanalysis</i> , 2006, 12, 58-59.	0.2	0
60	Electron Probe Microanalysis of Li K-alpha with Newly Developed Ultra-Soft X-ray Spectrometer. <i>Microscopy and Microanalysis</i> , 2006, 12, 872-873.	0.2	1
61	Formation of Contact Holes on Bumps on Semiconductor Chip by Micro-Moses Effect. <i>Advanced Materials</i> , 2006, 18, 1549-1551.	11.1	6
62	Fabrication of c-axis oriented polycrystalline ZnO by using a rotating magnetic field and following sintering. <i>Journal of Materials Research</i> , 2006, 21, 703-707.	1.2	62
63	Magnetic Effects on Extrudate Swell of a Polystyrene Melt in Capillary Extrusion Dies. <i>Polymer Journal</i> , 2005, 37, 541-544.	1.3	4
64	Experimental determination of electron inelastic mean free paths in 13 elemental solids in the 50 to 5000 eV energy range by elastic-peak electron spectroscopy. <i>Surface and Interface Analysis</i> , 2005, 37, 833-845.	0.8	132
65	MAGNETIC ALIGNMENT AND CRYSTALLIZATION BEHAVIOR OF ISOTACTIC POLYSTYRENE. , 2005, , .		1
66	Magnetic Alignment of the Chiral Nematic Phase of a Cellulose Microfibril Suspension. <i>Langmuir</i> , 2005, 21, 2034-2037.	1.6	180
67	Three-Dimensional Crystal Alignment Using a Time-Dependent Elliptic Magnetic Field. <i>Langmuir</i> , 2005, 21, 4805-4808.	1.6	69
68	Micropatterning of Cells Using Modulated Magnetic Fields. <i>Langmuir</i> , 2005, 21, 830-832.	1.6	51
69	PROCESSING OF POLYMERIC MATERIALS UNDER MAGNETIC FIELDS. , 2005, , .		0
70	Uniaxial Alignment of the Smallest Diamagnetic Susceptibility Axis Using Time-Dependent Magnetic Fields. <i>Langmuir</i> , 2004, 20, 5669-5672.	1.6	75
71	Particle Trapping and Undulation of a Liquid Surface Using a Microscopically Modulated Magnetic Field. <i>Langmuir</i> , 2004, 20, 572-574.	1.6	41
72	Synthesis and FTIR spectroscopic studies on shear induced oriented liquid crystalline chitin/poly(acrylic acid) composite. <i>Journal of Applied Polymer Science</i> , 2003, 90, 1932-1940.	1.3	9

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73	Synthesis and orientation study of a magnetically aligned liquid-crystalline chitin/poly(acrylic acid) composite. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 711-714.	2.4	11
74	Study on the Effect of Magnetic Fields on Polymeric Materials and Its Application. <i>Polymer Journal</i> , 2003, 35, 823-843.	1.3	228
75	Phase Transformation of Polymeric Materials in High Magnetic Field. <i>Materials Transactions</i> , 2003, 44, 2520-2523.	0.4	7
76	Grain Oriented Microstructure Made in High Magnetic Field. <i>Key Engineering Materials</i> , 2002, 206-213, 445-448.	0.4	24
77	Levitation Polymerization to Fabricate a Large Polymer Sphere. <i>Langmuir</i> , 2002, 18, 9609-9610.	1.6	24
78	Experimental Determinations of Electron Inelastic Mean Free Paths in Silver, Gold, Copper and Silicon from Electron Elastic Peak Intensity Ratios. <i>Journal of Surface Analysis (Online)</i> , 2002, 9, 285-290.	0.1	10
79	Polymer Composites of Carbon Nanotubes Aligned by a Magnetic Field. <i>Advanced Materials</i> , 2002, 14, 1380-1383.	11.1	436
80	Magnetic effect on the phase transitions of n-C32H66 measured by high resolution and super-sensitive DSC. <i>Physica B: Condensed Matter</i> , 2002, 324, 63-71.	1.3	13
81	Crystal orientation of $\beta$ -phase isotactic polypropylene induced by magnetic orientation of N,N'-dicyclohexyl-2,6-naphthalenedicarboxamide. <i>Polymer</i> , 2002, 43, 7301-7306.	1.8	86
82	Cross-sectional analysis of the interface between Sn-Ag-Cu solder alloy and Substrate by using angle lapping method. <i>Journal of Surface Analysis (Online)</i> , 2002, 9, 416-419.	0.1	1
83	Magnetic Alignment of Poly(carbonate). <i>Chemistry Letters</i> , 2001, 30, 1140-1141.	0.7	11
84	Orientation of cellulose triacetate films cast from solution in high magnetic field. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 1942-1947.	2.4	12
85	Orientation-dependent Magneto-Clapeyron Equation. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 6818-6820.	0.8	11
86	Determination of Anisotropic Diamagnetic Susceptibility of Polymeric Fibers Suspended in Liquid*. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 2237-2240.	0.8	18
87	Melt Structure of Crystalline Polymers as Studied by Means of Magnetic Orientation. <i>Materials Transactions, JIM</i> , 2000, 41, 955-961.	0.9	19
88	Separation of Solid Polymers by Magneto-Archimedes Levitation. <i>Chemistry Letters</i> , 2000, 29, 1294-1295.	0.7	27
89	Magnetic orientation of isotactic polypropylene. <i>Polymer</i> , 2000, 41, 155-159.	1.8	68
90	Magnetic orientation of poly(ethylene terephthalate). <i>Polymer</i> , 2000, 41, 809-812.	1.8	66

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91	Magnetic Orientation of Polymer Fibers in Suspension. Langmuir, 2000, 16, 858-861.	1.6	133
92	Magnetic and Viscoelastic Study on Molten State of Low Molecular Weight Isotactic Polypropylene. Macromolecules, 2000, 33, 8421-8425.	2.2	11
93	In Situ Infrared Spectroscopic Study on Liquid Crystalline Phase Formation of a Random Copolyester Consisting of 60 mol% p-Hydroxybenzoic Acid/40 mol% Ethylene Terephthalate. Polymer Journal, 1999, 31, 375-379.	1.3	0
94	Magnetic Orientation of Polymers A Novel Technique of Controlling Birefringence. Materials Research Society Symposia Proceedings, 1999, 598, 361.	0.1	1
95	Excimer Laser Ablation and Morphology of Uniaxially Stretched Poly(ethylene-2,6-naphthalate) Films. Polymer Journal, 1999, 31, 524-529.	1.3	2
96	Magnetic orientation of poly(ethylene-2,6-naphthalate) during crystallization from melt. Polymer, 1998, 39, 6325-6330.	1.8	31
97	A Kinetic Study on Magnetic Orientation of a Liquid Crystalline Copolyester. Polymer Journal, 1998, 30, 455-462.	1.3	14
98	Magnetic Orientation of Isotactic Polystyrene. Macromolecules, 1997, 30, 3600-3605.	2.2	70
99	Magnetic orientation of poly(ethylene-2,6-naphthalate). Polymer, 1996, 37, 1879-1882.	1.8	65