Mutsumasa Kyotani

List of Publications by Year in descending order

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60 papers	1,292 citations	361413 20 h-index	377865 34 g-index
60 all docs	60 docs citations	60 times ranked	888 citing authors

#	Article	IF	Citations
1	Making Conductive Materials from Paper as an Insulator. Kami Pa Gikyoshi/Japan Tappi Journal, 2022, 76, 274-281.	0.1	0
2	Chemical Carbonization in Solid-Phase of Nano-Size Cellulose Containing in Plant and Wood Pulp, and Relating Properties of the Carbonized Cellulose Fibers. Journal of Fiber Science and Technology, 2020, 76, 32-42.	0.4	0
3	New Porous Carbon Materials as Gas Diffusion Layer for Polymer Electrolyte Fuel Cells. Electrochemistry, 2020, 88, 423-428.	1.4	2
4	Chemical Carbonization of Paper Made from Wood Pulp without Thermal Decomposition Using a Catalyst and Structural Properties of the Carbonized Paper. Journal of Fiber Science and Technology, 2018, 74, 177-185.	0.4	5
5	Preparation of 2D Carbon Materials by Chemical Carbonization of Cellulosic Materials to Avoid Thermal Decomposition. Global Challenges, 2017, 1, 1700061.	3.6	7
6	Morphology-controlled carbonaceous and graphitic materials prepared from conjugated polymers as precursors through solid-state carbonization. Synthetic Metals, 2016, 216, 103-112.	3.9	11
7	Helical graphite. Tanso, 2013, 2013, 201-209.	0.1	1
8	Efficient preparation of carbon papers by pyrolysis of iodine-treated Japanese paper. Journal of Analytical and Applied Pyrolysis, 2012, 95, 14-20.	5.5	17
9	Horizontally and vertically aligned helical conjugated polymers: Comprehensive formation mechanisms of helical fibrillar morphologies in orientation-controlled asymmetric reaction fields consisting of chiral nematic liquid crystals. Chemical Science, 2011, 2, 1389.	7.4	25
10	Hierarchically Controlled Helical Graphite Films Prepared from Iodine-Doped Helical Polyacetylene Films Using Morphology-Retaining Carbonization. Journal of the American Chemical Society, 2011, 133, 17977-17992.	13.7	51
11	Selfâ€Assembled Nanostructures of Tailored Multiâ€Metal Complexes and Morphology Control by Counterâ€Anion Exchange. Chemistry - A European Journal, 2010, 16, 10638-10643.	3.3	21
12	Macroscopically Aligned Helical Polyacetylene Synthesized in Magnetically Oriented Chiral Nematic Liquid Crystal Field. Macromolecules, 2010, 43, 5943-5948.	4.8	32
13	Formation Mechanism of Helical Polyacetylene with Spiral Morphology in Asymmetric Reaction Field Consisting of Chiral Nematic Liquid Crystal. Macromolecules, 2010, 43, 8363-8372.	4.8	31
14	Entanglement-free fibrils of aligned polyacetylene films that produce single nanofibers. Nanoscale, 2010, 2, 509.	5.6	22
15	Macroscopically Aligned Helical Conjugated Polymers in Orientation-Controllable Chiral Nematic Liquid Crystal Field. Macromolecules, 2009, 42, 1817-1823.	4.8	29
16	Cis-Rich Helical Polyacetylene Synthesized in Low-Temperature Chiral Nematic Liquid Crystal. Macromolecules, 2009, 42, 8590-8593.	4.8	12
17	Preparation of helical carbon and graphite films using morphology-retaining carbonization. Synthetic Metals, 2009, 159, 2198-2201.	3.9	14
18	Helical Carbon and Graphitic Films Prepared from Iodine-Doped Helical Polyacetylene Film Using Morphology-Retaining Carbonization. Journal of the American Chemical Society, 2008, 130, 10880-10881.	13.7	102

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19	Helicity-Controlled Liquid Crystal Reaction Field Using Nonbridged and Bridged Binaphthyl Derivatives Available for Synthesis of Helical Conjugated Polymers. Macromolecules, 2008, 41, 607-613.	4.8	60
20	Tubular-Shaped Nanocarbons Prepared from Polyaniline Synthesized by a Self-Assembly Process and Their Electrical Conductivity. Journal of Nanoscience and Nanotechnology, 2008, 8, 1999-2004.	0.9	21
21	Tubular-shaped nanocarbons prepared from polyaniline synthesized by a self-assembly process and their electrical conductivity. Journal of Nanoscience and Nanotechnology, 2008, 8, 1999-2004.	0.9	2
22	Structural properties of carbon prepared from aligned polyacetylene thin films. Synthetic Metals, 2007, 157, 546-550.	3.9	9
23	Highly Twisted Helical Polyacetylene with Morphology Free From the Bundle of Fibrils Synthesized in Chiral Nematic Liquid Crystal Reaction Field. Journal of the American Chemical Society, 2007, 129, 8519-8527.	13.7	111
24	Helical Polyacetylenes Synthesized in Helical Sense and Pitch Controllable Chiral Nematic Liquid Crystal with Unprecedented Temperature Dependence. Macromolecules, 2007, 40, 4762-4771.	4.8	54
25	Syntheses of highly twisted helical polyacetylene under nano-order chiral nematic liquid crystal reaction field. Current Applied Physics, 2006, 6, 948-951.	2.4	16
26	Vertically aligned helical polyacetylene synthesized in chiral nematic liquid crystal under magnetic field. Current Applied Physics, 2006, 6, 952-955.	2.4	10
27	Synthesis of Helical Polyacetylene in Chiral Nematic Liquid Crystals Using Crown Ether Type Binaphthyl Derivatives as Chiral Dopants. Journal of the American Chemical Society, 2005, 127, 14647-14654.	13.7	108
28	Double-wall Carbon Nanotubes Synthesized by the Abnormal Glow Discharge Plasma Method. Materials Research Society Symposia Proceedings, 2002, 750, 1.	0.1	0
29	Structural properties of carbon materials from the electrochemical reduction of fluorinated naphthalene pitch. Carbon, 2002, 40, 1583-1590.	10.3	3
30	Synthesis of vertically aligned polyacetylene thin films in homeotropic liquid crystal solvents. Synthetic Metals, 2001, 117, 1-8.	3.9	27
31	Structure formation of nanoribbon graphite from carbyne-like carbons. Synthetic Metals, 2001, 121, 1237-1238.	3.9	2
32	Synthesis of Vertically Aligned Helical Polyacetylene Films in Homeotropic Chiral Nematic Liquid Crystals. Molecular Crystals and Liquid Crystals, 2001, 365, 117-127.	0.3	11
33	Effect of Thermal History on the Time Evolution of the Structure of Thermotropic Liquid Crystalline Polyesters Containing a Halogen-Substituted Hydroquinone Ring. Macromolecular Chemistry and Physics, 2001, 202, 1743-1749.	2.2	4
34	Rheological, thermal, and mechanical properties of poly(ethylene naphthalate)/poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	1.0	28
35	Structural, rheological, and mechanical properties of ternary blends of PEN, PET, and liquid crystalline polymer. Polymer Engineering and Science, 1999, 39, 1480-1488.	3.1	8
36	Helical Polyacetylene Synthesized under Asymmetric Reaction Field Constructed with Chiral Nematic Liquid Crystals. Molecular Crystals and Liquid Crystals, 1999, 332, 463-470.	0.3	21

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37	Angular-resolved EELS of a carbon nanotube. Thin Solid Films, 1996, 273, 222-224.	1.8	26
38	Thermal behavior, morphology, and mechanical properties of blend strands consisting of poly(ethylene telephthalate) and semiaromatic liquid crystalline polymer. Journal of Applied Polymer Science, 1996, 62, 1331-1338.	2.6	13
39	Observation of Cross Sections of Plasma-Polymerized Films of Benzene and Naphthalene by Electron Spectroscopic Imaging. Japanese Journal of Applied Physics, 1996, 35, L657-L660.	1.5	5
40	Preparation of laminates having isotropically molecular orientation of a liquid crystalline polymer in poly(ethylene terephthalate) matrix. Polymer, 1994, 35, 5138-5140.	3.8	3
41	Nanobundles. Materials Research Society Symposia Proceedings, 1994, 359, 81.	0.1	0
42	Structural, mechanical, and thermal properties of extruded sheets of a liquid crystalline copolyester. Journal of Applied Polymer Science, 1993, 47, 2053-2063.	2.6	14
43	Orientation distribution and layerlike morphology in extrusion-molded sheets of a liquid crystalline copolyester amide. Journal of Applied Polymer Science, 1993, 48, 2147-2159.	2.6	5
44	Orientation distribution of liquid-crystalline polyester sheets studied by polarized infrared spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 1993, 31, 1099-1108.	2.1	23
45	Applications of fourier transform infrared microspectroscopy to the analysis of microscopic orientation in liquid crystalline polymer sheets. Polymer, 1992, 33, 2672-2678.	3.8	10
46	Mechanical and structural properties of extruded strands of blends containing a liquid-crystalline polyester with poly(ethylene terephthalate). Polymer, 1992, 33, 4756-4762.	3.8	41
47	Surface orientation of a liquid-crystalline polymer studied by polarized reflection spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 1991, 29, 1321-1328.	2.1	17
48	The morphological properties of a thermotropic liquid crystalline polymer in the blend with poly (ethylene threphthalate).. Journal of Fiber Science and Technology, 1991, 47, 403-406.	0.0	6
49	Thermal and structural properties of extruded sheets of blends containing a liquid crystalline polyester with poly(ethylene terephthalate).. Kobunshi Ronbunshu, 1990, 47, 339-346.	0.2	8
50	Microstructures and their orientation behavior in a thermotropic polyester. Journal of Macromolecular Science - Physics, 1987, 26, 325-340.	1.0	9
51	Thermal properties of thermotropic polyesters with rigid chains. Journal of Polymer Science, Part B: Polymer Physics, 1987, 25, 501-511.	2.1	1
52	Phase transitions and structural properties of a thermotropic polyester. Journal of Polymer Science, Polymer Physics Edition, 1983, 21, 379-387.	1.0	13
53	Stirring-induced crystallization of nylon 6. Journal of Macromolecular Science - Physics, 1982, 21, 275-285.	1.0	4
54	Solution crystallization of blends of nylon 6 and nylon 12. Journal of Macromolecular Science - Physics, 1982, 21, 219-230.	1.0	13

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55	Solution crystallization of nylon 12. Journal of Polymer Science, Polymer Physics Edition, 1982, 20, 345-356.	1.0	14
56	Solution crystallization of nylon 6. Journal of Polymer Science, Polymer Physics Edition, 1979, 17, 103-114.	1.0	20
57	Studies on crystalline forms of Nylon 6. III. Crystallization from the glassy state. Journal of Macromolecular Science - Physics, 1975, 11, 509-525.	1.0	30
58	Crystallization kinetics of polyethylene under high pressure. Journal of Polymer Science, Polymer Physics Edition, 1974, 12, 2331-2345.	1.0	11
59	Studies on crystalline forms of nylon 6. II. Crystallization from the melt. Journal of Polymer Science Part A-2 Polymer Physics, 1972, 10, 1497-1508.	0.8	120
60	Studies on Crystalline Forms of Nylon 6. Kobunshi Kagaku, 1971, 28, 211-217.	0.1	9