

Mizuho Kondo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photomobile Polymer Materials: Towards Light-Driven Plastic Motors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4986-4988.	13.8	919
2	Photomobile polymer materials—various three-dimensional movements. <i>Journal of Materials Chemistry</i> , 2009, 19, 60-62.	6.7	369
3	How Does the Initial Alignment of Mesogens Affect the Photoinduced Bending Behavior of Liquid-Crystalline Elastomers?. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1378-1382.	13.8	274
4	Photoinduced Orientation of Photoresponsive Polymers with <i>N</i> -Benzylideneaniline Derivative Side Groups. <i>Macromolecules</i> , 2014, 47, 324-332.	4.8	42
5	Photoinduced reorientation and polarization holography in a new photopolymer with 4-methoxy- <i>N</i> -benzylideneaniline side groups. <i>APL Materials</i> , 2013, 1, .	5.1	31
6	Photoinduced Reorientation of a Liquid Crystalline Polymer with Phenyl Benzoate Mesogenic Side Groups on the Basis of an Axis-Selective Photo-Fries Rearrangement. <i>Macromolecules</i> , 2012, 45, 8547-8554.	4.8	24
7	Axis-Selective Photo-Fries Rearrangement and Photoinduced Molecular Reorientation in Liquid Crystalline Polymer Films. <i>Macromolecules</i> , 2011, 44, 5736-5742.	4.8	23
8	Photoluminescent Color and Polarized Light Emission Tuning of Fluorene Derivatives Using a Photoreactive H-Bonded Liquid Crystalline Polymer. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1741-1749.	2.2	21
9	Facile Fabrication, Photoinduced Orientation, and Birefringent Pattern Control of Photoalignable Films Comprised of <i>N</i> -Benzylideneaniline Side Groups. <i>ACS Macro Letters</i> , 2015, 4, 764-768.	4.8	21
10	Photomechanical materials driven by photoisomerization or photodimerization. <i>Polymer Journal</i> , 2020, 52, 1027-1034.	2.7	19
11	Mechanochromic Luminescence Characteristics of Pyridine-Terminated Chromophores in the Solid State and in a Poly(vinyl alcohol) Matrix. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3188-3195.	3.3	18
12	Photoinduced orientation of photoresponsive copolymers with <i>N</i> -benzylideneaniline and nonphotoreactive mesogenic side groups. <i>Polymer</i> , 2015, 56, 318-326.	3.8	17
13	Orientation Direction Control in Liquid Crystalline Photoalignable Polymeric Films by Adjusting the Free-Surface Condition. <i>ACS Macro Letters</i> , 2016, 5, 761-765.	4.8	12
14	Photoinduced Birefringent Pattern and Photoinactivation of Liquid-Crystalline Copolymer Films with Benzoic Acid and Phenylaldehyde Side Groups. <i>Langmuir</i> , 2018, 34, 2089-2095.	3.5	12
15	Controlling the Emergence and Shift Direction of Mechanochromic Luminescence Color of a Pyridine-Terminated Compound. <i>Chemistry - an Asian Journal</i> , 2019, 14, 471-479.	3.3	12
16	Photomobile polymers from commercially available compounds: photoinduced deformation of side-chain polymers containing hydrogen-bonded photoreactive compounds. <i>Polymer Journal</i> , 2012, 44, 410-414.	2.7	11
17	Fabrication of UV-inactive photoaligned films by photoinduced orientation of H-bonded composites of non-photoreactive polymer and cinnamate derivative. <i>Polymer Journal</i> , 2016, 48, 267-271.	2.7	9
18	Coatable Photomobile Polymer Films Using Spring-Like Photochromic Compounds. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700602.	2.2	9

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19	38.4: Novel Photoalignment Layer for In Plane Switching Mode LCD Using 313 nm Ultraviolet Light. Digest of Technical Papers SID International Symposium, 2013, 44, 537-540.	0.3	8
20	In situ formation of photoalignable N-benzylideneaniline side groups and control of photoinduced reorientation in polymethacrylate with 4-oxylbenzaldehyde side groups and 4-methoxyaniline composite films. Polymer, 2015, 77, 239-245.	3.8	8
21	Birefringent Pattern Formation in Photoinactive Liquid Crystalline Polymer Films Based on a Photoalignment Technique with Top-Coating of Cinnamic Acid Derivatives via H-Bonds. Langmuir, 2017, 33, 2427-2432.	3.5	8
22	Directional Mechanochromic Luminescent Behavior in Liquid Crystalline Composite Polymeric Films. Macromolecular Chemistry and Physics, 2017, 218, 1600321.	2.2	8
23	Photoinduced Reorientation and Photofunctional Control of Liquid Crystalline Copolymers with <i>In Situ</i> -Formed <i>N</i> -Benzylideneaniline Derivative Side Groups. Langmuir, 2021, 37, 1164-1172.	3.5	8
24	Photoluminescent Color Tuning in Fluorene Derivative/Copolymer Composite Films Based on H-Bonds. Langmuir, 2012, 28, 4534-4542.	3.5	7
25	Preparation and Macroscopic Deformation of Liquid-Crystalline Polymer Fibers Crosslinked with Anthracene Side Chains. Molecular Crystals and Liquid Crystals, 2011, 550, 98-104.	0.9	6
26	Photoinduced Orientation of Hydrogen Bonding Liquid Crystalline Polymers / Pyridine Derivatives Composite Films. Molecular Crystals and Liquid Crystals, 2015, 617, 40-49.	0.9	6
27	Comparison Study on Thermally Stimulated Photoinduced Orientation of Liquid Crystalline Polymer with Cinnamate Side Groups using 313 nm and 365 nm Light. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 451-456.	0.3	6
28	Tuning Thermal Stability, Photoluminescent Wavelength, and Optical Anisotropy of Oligothiophenes with Pyridyl End Groups by Using a Hydrogen-bonded Photocrosslinkable Liquid-crystalline Polymer Film. Chemistry Letters, 2013, 42, 891-893.	1.3	5
29	Photoinduced Orientation of a Photoinactive Liquid Crystalline Polymer Doped with <i>N</i> -Benzylideneaniline Derivatives. Chemistry Letters, 2016, 45, 673-675.	1.3	5
30	Molecular reorientation behavior of photocrosslinkable liquid-crystalline polymer films containing phenylamide side chains. Reactive and Functional Polymers, 2013, 73, 1567-1572.	4.1	4
31	Mechanoresponsive change in photoluminescent color of rod-like liquid-crystalline compounds and control of molecular orientation on photoaligned layer. Proceedings of SPIE, 2014, , .	0.8	4
32	Multicolor Change in the Photoluminescence Induced by Mechanical and Chemical Stimuli. Chemistry Letters, 2017, 46, 1179-1181.	1.3	4
33	Photoinduced Molecular Reorientation of a Liquid Crystalline Polymer with a High Birefringence. Chemistry Letters, 2021, 50, 912-915.	1.3	4
34	Polarized Fluorescence of <i>N</i> -Salicylideneaniline Derivatives Formed by <i>In Situ</i> Exchange from <i>N</i> -Benzylideneaniline Side Groups in Photoaligned Liquid Crystalline Copolymer Films. Langmuir, 2022, 38, 2862-2871.	3.5	4
35	Inside Cover: Photomobile Polymer Materials: Towards Light-Driven Plastic Motors (Angew. Chem. Int.) Tj ETQq1 1 0,784314 ggBT /Over 13.8 8	13.8	8
36	Photoinduced Cooperative Orientation and Pattern Formation in Copolymer Films with 4-Methoxyazobenzene and Benzoic Acid Side Groups. Molecular Crystals and Liquid Crystals, 2012, 563, 131-138.	0.9	3

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37	Synthesis of Side-Chain Liquid-Crystalline Cinnamide Polymers Based on Post Polymer Reaction. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 563, 121-130.	0.9	3
38	Influence of molecular weight on the photoinduced reorientation of photo-cross-linkable liquid crystalline polymeric films. <i>Polymer Journal</i> , 2014, 46, 85-88.	2.7	3
39	Molecularly oriented surface relief formation in polymethacrylates comprising N-benzylideneaniline derivative side groups. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 128002.	1.5	3
40	Thermal Amplification of Photoinduced Cooperative Reorientation of Liquid Crystalline Copolymer Films Comprised of N-Benzylideneaniline and Benzoic Acid Side Groups. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 617, 14-20.	0.9	3
41	Mechanochromic luminescent behavior in hydrogen bonded liquid-crystalline complex. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 644, 78-87.	0.9	3
42	Hydrogen Bonded Photoreactive Polymer Liquid Crystal Containing Pyridyl Terminated N-benzylideneaniline. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 305-309.	0.3	3
43	Photoinduced Reorientation and Surface Relief Formation in Diblock and Random Copolymers with Benzoic Acid and Alkyloxy Side Groups. <i>Macromolecules</i> , 2018, 51, 5392-5400.	4.8	3
44	Mechano-induced photoluminescence colour change in an alkyltolane-terminated cyanostilbene. <i>CrystEngComm</i> , 2021, 23, 5869-5875.	2.6	3
45	Mechanoresponsive Behavior of Rod-like Liquid Crystalline Luminophores on an Alignment Layer. <i>Chemistry Letters</i> , 2021, 50, 812-815.	1.3	3
46	Photoinduced Exfoliation of a Polymeric N-Benzylideneaniline Liquid-Crystalline Composite Based on a Photoisomerization-Triggered Phase Transition. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100097.	2.2	3
47	Birefringence Control of Photoalignable Liquid Crystalline Polymers Based on an In Situ Exchange of Oriented Mesogenic Side Groups. <i>Chemistry Letters</i> , 2022, 51, 91-93.	1.3	3
48	Photoinduced Orientation of Photo-Cross-Linkable Liquid Crystalline Copolymer Films Comprised of H-Bonded and Non-H-Bonded Mesogenic Side Groups. <i>Polymer Journal</i> , 2009, 41, 968-972.	2.7	2
49	Photoinduced Orientation of Liquid Crystalline Copolymer Films with Cinnamic Acid Side Groups Synthesized by RAFT Polymerization. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 529, 10-19.	0.9	2
50	Blazed Surface Relief Formation in Azobenzene-Containing Polymeric Films by Asymmetric Polarization Holography. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2012, 25, 669-673.	0.3	2
51	Molecularly Oriented Liquid Crystalline Polymer Films Based on Axis-Selective Photo-Fries Rearrangement. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 583, 1-9.	0.9	2
52	Molecular Orientation of Photoinduced Liquid Crystalline Polymer with 3D Structure fabricated by Thermal Nanoimprinting. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2013, 26, 83-85.	0.3	2
53	Molecular Reorientation Behavior of Photocrosslinkable Liquid Crystalline Copolymer Films Composed of 4-(4-Methoxycinnamoyloxy)biphenyl and Phenylester Side Groups. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 601, 107-115.	0.9	2
54	NEXAFS Study on Photoalignment of Liquid Crystalline Polymeric Films. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 601, 49-56.	0.9	2

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55	Analysis of nonsinusoidal surface relief structures formed by elliptical polarization holography on azobenzene-containing polymeric films. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 02BB06.	1.5	2
56	Photoinduced phase transition of N-benzylideneaniline liquid crystalline polymer and applications of photodismantlable adhesives. <i>Reactive and Functional Polymers</i> , 2022, 174, 105247.	4.1	2
57	Photoinduced Reorientation and Polarization Holography of Photoreactive Polymer Liquid Crystals with Bistolane Side Groups. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2010, 23, 343-348.	0.3	1
58	Photoinduced Cooperative Reorientation of Photoreactive Liquid Crystalline Copolymer Films Comprised of Cinnamic Acid and Phenylbenzoate Side Groups. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2012, 25, 303-308.	0.3	1
59	Synthesis of Phenylenevinylene Oligothiophene Derivatives with and without Cyano Side Substitution and Evaluation of Optoelectronic Characteristics. <i>Chemistry Letters</i> , 2015, 44, 1010-1012.	1.3	1
60	Influence of alkylene spacer length on photoinduced orientation of liquid crystalline polymer with N-benzylideneaniline side groups. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 644, 61-68.	0.9	1
61	Photoinduced orientation of H-bonded composite films of non-photoreactive polymer and cinnamic acid derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 644, 69-77.	0.9	1
62	Area-selective Photodeformation Behavior of N-benzylideneaniline Liquid Crystalline Polymeric Films Prepared with Sublimed Crosslinker. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 676, 9-16.	0.9	1
63	Blue-Shifting Mechanofluorochromic Luminescent Behavior of Polymer Composite Films Using Gelable Mechanoresponsive Compound. <i>Crystals</i> , 2021, 11, 950.	2.2	1
64	Birefringent Control of Photo-Oriented Polymeric Films by <i>in situ</i> Exchange of Functional Moieties. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2021, 34, 511-515.	0.3	1
65	Fabrication of Polarization Grating on N-Benzylideneaniline Polymer Liquid Crystal and Control of Diffraction Beam. <i>Crystals</i> , 2022, 12, 273.	2.2	1
66	Photoinduced bending behavior of uniaxial aligned crosslinked NBA liquid crystalline polymer films. <i>Molecular Crystals and Liquid Crystals</i> , 2022, 733, 16-21.	0.9	1
67	Thermally stable birefringent films from a liquid crystalline polymer having side groups containing N-benzylideneaniline. <i>Molecular Crystals and Liquid Crystals</i> , 2022, 733, 9-15.	0.9	1
68	Photoinduced Reorientation and Polarized Fluorescence of a Photoalignable Liquid Crystalline Polymer. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6440.	2.5	1
69	Photoreaction and Photoalignment Behavior of Novel Polyamic-Ester Derivative Containing a Photo-Crosslinkable Group. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 563, 139-145.	0.9	0
70	Reorientation of photoreactive liquid crystalline polymer pattern fabricated by hybrid nanoimprinting. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013, 31, 06FB04.	1.2	0
71	Comparison Molecular Orientation of Photoinduced Liquid Crystalline Polymer induced by Thermal Nanoimprinting to that by Graphoepitaxy. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2013, 26, 65-68.	0.3	0
72	Influence of End Groups in Photoinduced Reorientation of Liquid Crystalline Polymer Films Based on Axis-Selective Photo-Fries Rearrangement. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 601, 79-87.	0.9	0

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73	Influence of alkylene spacer length on the photoinduced reorientation of polymethacrylate with benzoic acid side groups and <i>N</i> -benzylideneaniline carboxylic acid composite films. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 676, 2-8.	0.9	0
74	Homogeneous Photoalignment of Liquid Crystals without Precoated Alignment Layers. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2019, 32, 549-552.	0.3	0
75	Photoinduced birefringence pattern based on selective induction of photoreactivity with inkjet technology. <i>Molecular Crystals and Liquid Crystals</i> , 0, , 1-8.	0.9	0