

# Michinari Kohri

## List of Publications by Year in descending order

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102  
papers

1,845  
citations

304743

22  
h-index

302126

39  
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104  
all docs

104  
docs citations

104  
times ranked

1907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of hexagonal close-packed ring-shaped structures using an optical vortex. <i>Nanophotonics</i> , 2022, 11, 855-864.	6.0	14
2	A thermo-birefringence switchable columnar liquid crystalline compound. <i>Materials Letters</i> , 2022, 307, 131055.	2.6	2
3	Synthesis of luminescent core-shell polymer particles carrying amino groups for covalent immobilization of enzymes. <i>Colloid and Polymer Science</i> , 2022, 300, 319-331.	2.1	1
4	Polymer Photonic Crystals Prepared by Triblock Copolymerization-induced <i>in situ</i> Microphase Separation. <i>Chemistry Letters</i> , 2022, 51, 625-628.	1.3	2
5	Colorless Magnetic Colloidal Particles Based on an Amorphous Metal-Organic Framework Using Holmium as the Metal Species.. <i>ChemNanoMat</i> , 2022, 8, .	2.8	2
6	External stimulus control of structural color visibility using colloidal particles covered with a catecholic polymer shell layer. <i>Polymer Journal</i> , 2022, 54, 1039-1043.	2.7	3
7	Induction of a Columnar Liquid Crystal Phase at Low Temperature by Replacing Stearyl Groups with Oleyl Groups in a Discoid Molecule, and Efficient Chiral Amplification in the Liquid Crystal Phase. <i>Chemistry Letters</i> , 2022, 51, 735-738.	1.3	0
8	Front Cover: Colorless Magnetic Colloidal Particles Based on an Amorphous Metal-Organic Framework Using Holmium as the Metal Species. (ChemNanoMat 7/2022). <i>ChemNanoMat</i> , 2022, 8, .	2.8	0
9	Construction of a liquid crystalline double helix supramolecular structure and its electro-responsive behaviour. <i>Liquid Crystals</i> , 2021, 48, 295-306.	2.2	3
10	Bright Solvent Sensor Using an Inverse Opal Structure Containing Melanin-mimicking Polydopamine. <i>Chemistry Letters</i> , 2021, 50, 106-109.	1.3	6
11	Stimuli-Responsive Biomimetic Metallic Luster Films Using Dye Absorption and Specular Reflection from Layered Microcrystals. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1819-1827.	4.4	4
12	Control of Structural Coloration by Natural Sunlight Irradiation on a Melanin Precursor Polymer Inspired by Skin Tanning. <i>Biomacromolecules</i> , 2021, 22, 1730-1738.	5.4	9
13	Fabrication of Colored Magnetic Powder Using Magnetic Polymer Network. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2021, 28, 44-48.	0.0	0
14	Chiral Self-Sorting and the Realization of Ferroelectricity in the Columnar Liquid Crystal Phase of an Optically Inactive <i>N,N'</i> - $\epsilon^2$ -Diphenylurea Derivative Possessing Six ( $\Delta$ / $\Lambda$ )-Citronellyl Groups. <i>ACS Omega</i> , 2021, 6, 18451-18457.	3.5	4
15	Preparation of Electro-optically Responsive Liquid Crystal Nanocapsules by Miniemulsion Polymerization of Oil-in-Water Emulsion Monomer Droplets. <i>Chemistry Letters</i> , 2021, 50, 1566-1569.	1.3	1
16	Highly Ordered Organic Piezoresponsive Materials Obtained by Cross-linking Electroresponsive Columnar Liquid Crystal Compounds. <i>Chemistry Letters</i> , 2021, 50, 35-38.	1.3	1
17	Control of Radical Polymerization and Cationic Polymerization in Photocurable Resin for 3D Printers. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2021, 34, 231-236.	0.3	0
18	Effect of Acrylic and Epoxy Hybrid Crosslinker on the Mechanical Strength of Photocurable Resin for 3D Printing. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2021, 34, 237-249.	0.3	0

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19	Preparation of liquid crystal nanocapsules by polymerization of oil-in-water emulsion monomer droplets. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 122-130.	9.4	16
20	Generation of Axially Polar Ferroelectricity in a Columnar Liquid Crystal Phase by Introducing Chirality. <i>Advanced Electronic Materials</i> , 2020, 6, 2000201.	5.1	13
21	Effect of the Polydopamine Composite Method on Structural Coloration: Comparison of Binary and Unary Assembly of Colloidal Particles. <i>Langmuir</i> , 2020, 36, 11880-11887.	3.5	9
22	Progress in polydopamine-based melanin mimetic materials for structural color generation. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 833-848.	6.1	26
23	Poly- $\beta$ -Ketoester Particles as a Versatile Scaffold for Lanthanide-Doped Colorless Magnetic Materials. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2170-2178.	4.4	7
24	A Low-temperature Axially Polar Ferroelectric Columnar Liquid Crystal Compound Possessing Branched Alkyl Chains. <i>Chemistry Letters</i> , 2020, 49, 768-770.	1.3	4
25	Full-Color Magnetic Nanoparticles Based on Holmium-Doped Polymers. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1800-1806.	4.4	10
26	A selectable approach for polarity-fixed and polarity-controllable polymer films with hexagonal columnar structures. <i>Materials Letters</i> , 2020, 272, 127863.	2.6	2
27	Biomimetic Structural Color Materials Based on Artificial Melanin Particles. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2020, 33, 111-116.	0.3	5
28	Artificial melanin particles: new building blocks for biomimetic structural coloration. <i>Polymer Journal</i> , 2019, 51, 1127-1135.	2.7	28
29	Acid-induced Control of Surface Properties Using a Catecholic Silane Coupling Reagent. <i>Chemistry Letters</i> , 2019, 48, 551-554.	1.3	4
30	Nanogel particle-based lanthanide composites for transparent magnetic materials. <i>Materials Letters</i> , 2019, 254, 278-281.	2.6	7
31	Does Introduction of a Bent Tail Stabilize Biaxiality and Lateral Switching Behavior of Smectic A Liquid Crystal Phases of Rodlike Molecules?. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4324-4332.	2.6	2
32	A Polarity-adjustable Columnar Liquid Crystalline Compound by Intermittent Voltage Application. <i>Chemistry Letters</i> , 2019, 48, 315-318.	1.3	3
33	Preparation of photochromic liquid core nanocapsules based on theoretical design. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 318-329.	9.4	16
34	Ellipsoidal Artificial Melanin Particles as Building Blocks for Biomimetic Structural Coloration. <i>Langmuir</i> , 2019, 35, 5574-5580.	3.5	30
35	Biomimetic Structural Color Materials Based on Artificial Melanin Particles. <i>Journal of the Japan Society of Colour Material</i> , 2019, 92, 195-199.	0.1	0
36	Polydopamine-Based 3D Colloidal Photonic Materials: Structural Color Balls and Fibers from Melanin-Like Particles with Polydopamine Shell Layers. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7640-7648.	8.0	45

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37	Hairy Polydopamine Particles as Platforms for Photonic and Magnetic Materials. <i>Photonics</i> , 2018, 5, 36.	2.0	12
38	Adhesion Control of Branched Catecholic Polymers by Acid Stimulation. <i>ACS Omega</i> , 2018, 3, 16626-16632.	3.5	13
39	Melanin Precursor Influence on Structural Colors from Artificial Melanin Particles: PolyDOPA, Polydopamine, and Polynorepinephrine. <i>Langmuir</i> , 2018, 34, 11814-11821.	3.5	63
40	Magnetically Responsive Polymer Network Constructed by Poly(acrylic acid) and Holmium. <i>Macromolecules</i> , 2018, 51, 6740-6745.	4.8	21
41	Hydrogen bond network-stabilisation of blue phases by addition of a chiral N-(10-hydroxydecyl)succinimide derivative and alkane diols. <i>Liquid Crystals</i> , 2017, 44, 1332-1339.	2.2	6
42	Bright structural color films independent of background prepared by the dip-coating of biomimetic melanin-like particles having polydopamine shell layers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 564-569.	4.7	43
43	Structural Color Tuning: Mixing Melanin-Like Particles with Different Diameters to Create Neutral Colors. <i>Langmuir</i> , 2017, 33, 3824-3830.	3.5	69
44	Shape-Assisted Self-Organization in Highly Disordered Liquid Crystal Phases. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4598-4602.	13.8	6
45	A metal-lustrous porphyrin foil. <i>Chemical Communications</i> , 2017, 53, 10703-10706.	4.1	16
46	In-situ assembly of diblock copolymers onto submicron-sized particles for preparation of core-shell and ellipsoidal particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 512, 80-86.	4.7	6
47	Why chiral tartaric imide derivatives give large helical twisting powers in nematic liquid crystal phases: substituent-effect approach to investigate intermolecular interactions between dopant and liquid crystalline molecules. <i>Liquid Crystals</i> , 2017, 44, 956-968.	2.2	8
48	Polydopamine-Assisted Surface Modification and Optical Application. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2017, 68, 138-142.	0.2	0
49	Structural Color Materials from Polydopamine-Inorganic Hybrid Thin Films Inspired by Rock Pigeon Feathers. <i>Kobunshi Ronbunshu</i> , 2017, 74, 54-58.	0.2	9
50	Polydopamine Particle as a Particulate Emulsifier. <i>Polymers</i> , 2016, 8, 62.	4.5	48
51	Polystyrene latex particles containing europium complexes prepared by miniemulsion polymerization using bovine serum albumin as a surfactant for biochemical diagnosis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 152-159.	5.0	15
52	Photonic Crystals Fabricated by Block Copolymerization-Induced Microphase Separation. <i>Macromolecules</i> , 2016, 49, 6041-6049.	4.8	23
53	Full-Color Biomimetic Photonic Materials with Iridescent and Non-Iridescent Structural Colors. <i>Scientific Reports</i> , 2016, 6, 33984.	3.3	150
54	Surface Modification of Polydopamine Particles &lt;i>via</i> Magnetically-Responsive Surfactants. <i>Transactions of the Materials Research Society of Japan</i> , 2016, 41, 301-304.	0.2	11

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55	Glycopolymer-Grafted Polymer Particles for Lectin Recognition. <i>Methods in Molecular Biology</i> , 2016, 1367, 137-147.	0.9	2
56	Preparation of Functional Polymer Particles by a Combination of Heterophase Radical Polymerization and Living Radical Polymerization. <i>Journal of the Japan Society of Colour Material</i> , 2016, 89, 395-398.	0.1	0
57	Preparation of size-controlled polymer particles by polymerization of O/W emulsion monomer droplets obtained through phase inversion temperature emulsification using amphiphilic comb-like block polymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 68-78.	4.7	21
58	Achiral straight-rod liquid crystals indicating local biaxiality and ferroelectric switching behavior in the smectic A and nematic phases. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3574-3581.	5.5	8
59	Biomimetic non-iridescent structural color materials from polydopamine black particles that mimic melanin granules. <i>Journal of Materials Chemistry C</i> , 2015, 3, 720-724.	5.5	162
60	A Green Approach for the Synthesis of Fluorescent Polymer Particles by Combined Use of Enzymatic Miniemulsion Polymerization with Clickable Surfmer and Click Reaction. <i>Transactions of the Materials Research Society of Japan</i> , 2014, 39, 57-60.	0.2	2
61	Preparation of Polymer Nanoparticles via Phase Inversion Temperature Method Using Amphiphilic Block Polymer Synthesized by Atom Transfer Radical Polymerization. <i>Transactions of the Materials Research Society of Japan</i> , 2014, 39, 125-128.	0.2	4
62	Hierarchically Structured Coatings by Colorless Polydopamine Thin Layer and Polymer Brush Layer. <i>Transactions of the Materials Research Society of Japan</i> , 2014, 39, 157-160.	0.2	8
63	Effect of the number of chiral mesogenic units and their spatial arrangement in dopant molecules on the stabilisation of blue phases. <i>Liquid Crystals</i> , 2014, 41, 839-849.	2.2	8
64	Size control of polydopamine nodules formed on polystyrene particles during dopamine polymerization with carboxylic acid-containing compounds for the fabrication of raspberry-like particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 449, 114-120.	4.7	50
65	Simple and Efficient Chiral Dopants to Induce Blue Phases and Their Optical Purity Effects on the Physical Properties of Blue Phases. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10319-10332.	2.6	15
66	Preparation of polymer latex particles carrying salt-responsive fluorescent graft chains. <i>Polymer</i> , 2014, 55, 5080-5087.	3.8	5
67	Simple and highly efficient chiral dopant molecules possessing both rod- and arch-like units. <i>Soft Matter</i> , 2014, 10, 6582-6588.	2.7	2
68	Development of HRP-mediated enzymatic polymerization under heterogeneous conditions for the preparation of functional particles. <i>Polymer Journal</i> , 2014, 46, 373-380.	2.7	16
69	One-step synthesis of spherical/nonspherical polymeric microparticles using non-equilibrium microfluidic droplets. <i>RSC Advances</i> , 2014, 4, 13557.	3.6	20
70	Preparation of Raspberry-Like Silica-Titania Hybrid Particles with Photocatalytic Activity by Catalytic Templating Core-Shell Particles. <i>Journal of Colloid Science and Biotechnology</i> , 2014, 3, 68-74.	0.2	0
71	Quantification of ATRP initiator density on polymer latex particles by fluorescence labeling technique using copper-catalyzed azide-alkyne cycloaddition. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4042-4051.	2.3	10
72	Enzymatic emulsifier-free emulsion polymerization to prepare polystyrene particles using horseradish peroxidase as a catalyst. <i>Polymer Journal</i> , 2013, 45, 354-358.	2.7	11

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73	A colorless functional polydopamine thin layer as a basis for polymer capsules. <i>Polymer Chemistry</i> , 2013, 4, 2696.	3.9	90
74	Preparation of titania hollow particles with independently controlled void size and shell thickness by catalytic templating core-shell polymer particles. <i>Colloid and Polymer Science</i> , 2013, 291, 215-222.	2.1	17
75	Facile Synthesis of Free-standing Polymer Brush Films Based on a Colorless Polydopamine Thin Layer. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1220-1224.	3.9	56
76	Effects of Graft Shell Thickness and Compositions on Lectin Recognition of Glycoparticles. <i>Journal of Colloid Science and Biotechnology</i> , 2013, 2, 45-52.	0.2	4
77	Development of Environmentally-Friendly Preparation and Surface-Modification of Polymer Particles by Enzymatic Polymerization. <i>Kobunshi Ronbunshu</i> , 2013, 70, 386-397.	0.2	2
78	One-pot Chemoenzymatic Route to Chitoheptaose via Specific Transglycosylation of Chitopentaose-Oxazoline on Chitinase-templete. <i>Chemistry Letters</i> , 2012, 41, 689-690.	1.3	21
79	Effect of Surfactant Type on Enzymatic Miniemulsion Polymerization Using Horseradish Peroxidase as a Catalyst. <i>Chemistry Letters</i> , 2012, 41, 1131-1133.	1.3	9
80	Small-Angle Neutron Scattering Study on Specific Polymerization Loci Induced by Copolymerization of Polymerizable Surfactant and Styrene during Miniemulsion Polymerization. <i>Macromolecules</i> , 2012, 45, 9435-9444.	4.8	10
81	Surface-initiated enzymatic vinyl polymerization: synthesis of polymer-grafted silica particles using horseradish peroxidase as catalyst. <i>Polymer Chemistry</i> , 2012, 3, 1123.	3.9	29
82	Enzymatic miniemulsion polymerization of styrene with a polymerizable surfactant. <i>Polymer Chemistry</i> , 2012, 3, 900.	3.9	30
83	Preparation of organic/inorganic hybrid and hollow particles by catalytic deposition of silica onto core/shell heterocoagulates modified with poly[2-(N,N-dimethylamino)ethyl methacrylate]. <i>Journal of Colloid and Interface Science</i> , 2012, 368, 107-114.	9.4	22
84	Preparation and lectin binding specificity of polystyrene particles grafted with glycopolymers bearing S-linked carbohydrates. <i>European Polymer Journal</i> , 2011, 47, 2351-2360.	5.4	36
85	Photochemical conversion of the o-nitrobenzyl-C-glucoside to a sugar lactone. <i>Carbohydrate Research</i> , 2011, 346, 2965-2969.	2.3	0
86	Preparation of polymer core-shell particles supporting gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 377, 63-69.	4.7	33
87	Synthesis and Optoelectronic Properties of Completely Carbazole-substituted Double-decker-shaped Silsesquioxane. <i>Chemistry Letters</i> , 2010, 39, 1162-1163.	1.3	14
88	Preparation of organic/inorganic composites by deposition of silica onto shell layers of polystyrene (core)/poly[2-(N,N-dimethylamino)ethyl methacrylate] (shell) particles. <i>Journal of Colloid and Interface Science</i> , 2010, 347, 62-68.	9.4	26
89	Preparation of core-shell coagulates by hydrophobic heterocoagulation of micron-sized poly(methyl Tj ETQq1 1 0.784314 rgBT /Over and Engineering Aspects, 2010, 356, 169-175.	4.7	18
90	Preparation of glycopolymer hollow particles by sacrificial dissolution of colloidal templates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 369, 240-245.	4.7	15

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91	Synthesis of polyarbutin by oxidative polymerization using PEGylated hematin as a biomimetic catalyst. <i>Polymer Journal</i> , 2010, 42, 952-955.	2.7	20
92	Surface modification of polymer latex particles by AGET ATRP of a styrene derivative bearing a lactose residue. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 71, 194-199.	5.0	29
93	Preparation of highly monodisperse fluorescent polymer particles by miniemulsion polymerization of styrene with a polymerizable surfactant. <i>Journal of Colloid and Interface Science</i> , 2008, 327, 58-62.	9.4	47
94	Design and Utilization of Chitinases with Low Hydrolytic Activities. <i>Trends in Glycoscience and Glycotechnology</i> , 2007, 19, 165-180.	0.1	7
95	Stepwise synthesis of chitooligosaccharides through a transition-state analogue substrate catalyzed by mutants of chitinase A1 from <i>Bacillus circulans</i> WL-12. <i>Holzforschung</i> , 2006, 60, 485-491.	1.9	18
96	A Bacterial Chitinase Acts as Catalyst for Synthesis of the N-Linked Oligosaccharide Core Trisaccharide by Employing a Sugar Oxazoline Substrate. <i>Journal of Carbohydrate Chemistry</i> , 2006, 25, 533-541.	1.1	6
97	Colloidal crystals of cationic spheres. <i>Colloid and Polymer Science</i> , 2004, 282, 250-255.	2.1	7
98	Adsorption/desorption behavior and covalent grafting of an antibody onto cationic amino-functionalized poly(styrene-N-isopropylacrylamide) core-shell latex particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 29, 53-65.	5.0	62
99	Efficient Method for the Elongation of the N-Acetylglucosamine Unit by Combined Use of Chitinase and -Galactosidase. <i>Helvetica Chimica Acta</i> , 2002, 85, 3919-3936.	1.6	42
100	Immobilization of cationic polymer particles having active ester groups onto solid surfaces. <i>Colloid and Polymer Science</i> , 2002, 280, 942-948.	2.1	21
101	Chemical immobilization of polymeric microspheres onto inorganic solid surfaces. <i>Macromolecular Symposia</i> , 2000, 151, 529-534.	0.7	11
102	Encapsulation of Pigments by Amphiphilic Acrylic-Polyurethane Graft Copolymers. <i>Journal of the Japan Society of Colour Material</i> , 1999, 72, 748-759.	0.1	1