Michinari Kohri

List of Publications by Year
in descending order

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102	1,845	304743 22	302126 39
papers	citations	h-index	g-index

104	104	104	1907
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biomimetic non-iridescent structural color materials from polydopamine black particles that mimic melanin granules. Journal of Materials Chemistry C, 2015, 3, 720-724.	5.5	162
2	Full-Color Biomimetic Photonic Materials with Iridescent and Non-Iridescent Structural Colors. Scientific Reports, 2016, 6, 33984.	3.3	150
3	A colorless functional polydopamine thin layer as a basis for polymer capsules. Polymer Chemistry, 2013, 4, 2696.	3.9	90
4	Structural Color Tuning: Mixing Melanin-Like Particles with Different Diameters to Create Neutral Colors. Langmuir, 2017, 33, 3824-3830.	3.5	69
5	Melanin Precursor Influence on Structural Colors from Artificial Melanin Particles: PolyDOPA, Polydopamine, and Polynorepinephrine. Langmuir, 2018, 34, 11814-11821.	3.5	63
6	Adsorption/desorption behavior and covalent grafting of an antibody onto cationic amino-functionalized poly(styrene-N-isopropylacrylamide) core-shell latex particles. Colloids and Surfaces B: Biointerfaces, 2003, 29, 53-65.	5.0	62
7	Facile Synthesis of Freeâ€Standing Polymer Brush Films Based on a Colorless Polydopamine Thin Layer. Macromolecular Rapid Communications, 2013, 34, 1220-1224.	3.9	56
8	Size control of polydopamine nodules formed on polystyrene particles during dopamine polymerization with carboxylic acid-containing compounds for the fabrication of raspberry-like particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 449, 114-120.	4.7	50
9	Polydopamine Particle as a Particulate Emulsifier. Polymers, 2016, 8, 62.	4.5	48
10	Preparation of highly monodisperse fluorescent polymer particles by miniemulsion polymerization of styrene with a polymerizable surfactant. Journal of Colloid and Interface Science, 2008, 327, 58-62.	9.4	47
11	Polydopamine-Based 3D Colloidal Photonic Materials: Structural Color Balls and Fibers from Melanin-Like Particles with Polydopamine Shell Layers. ACS Applied Materials & Interfaces, 2018, 10, 7640-7648.	8.0	45
12	Bright structural color films independent of background prepared by the dip-coating of biomimetic melanin-like particles having polydopamine shell layers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 564-569.	4.7	43
13	Efficient Method for the Elongation of the N-Acetylglucosamine Unit by Combined Use of Chitinase and -Galactosidase. Helvetica Chimica Acta, 2002, 85, 3919-3936.	1.6	42
14	Preparation and lectin binding specificity of polystyrene particles grafted with glycopolymers bearing S-linked carbohydrates. European Polymer Journal, 2011, 47, 2351-2360.	5.4	36
15	Preparation of polymer coreâ€“shell particles supporting gold nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 377, 63-69.	4.7	33
16	Enzymatic miniemulsion polymerization of styrene with a polymerizable surfactant. Polymer Chemistry, 2012, 3, 900.	3.9	30
17	Ellipsoidal Artificial Melanin Particles as Building Blocks for Biomimetic Structural Coloration. Langmuir, 2019, 35, 5574-5580.	3.5	30
18	Surface modification of polymer latex particles by AGET ATRP of a styrene derivative bearing a lactose residue. Colloids and Surfaces B: Biointerfaces, 2009, 71, 194-199.	5.0	29

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19	Surface-initiated enzymatic vinyl polymerization: synthesis of polymer-grafted silica particles using horseradish peroxidase as catalyst. Polymer Chemistry, 2012, 3, 1123.	3.9	29
20	Artificial melanin particles: new building blocks for biomimetic structural coloration. Polymer Journal, 2019, 51, 1127-1135.	2.7	28
21	Preparation of organic/inorganic composites by deposition of silica onto shell layers of polystyrene (core)/poly[2-(N,N-dimethylamino)ethyl methacrylate] (shell) particles. Journal of Colloid and Interface Science, 2010, 347, 62-68.	9.4	26
22	Progress in polydopamine-based melanin mimetic materials for structural color generation. Science and Technology of Advanced Materials, 2020, 21, 833-848.	6.1	26
23	Photonic Crystals Fabricated by Block Copolymerization-Induced Microphase Separation. Macromolecules, 2016, 49, 6041-6049.	4.8	23
24	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]. Journal of Colloid and Interface Science, 2012, 368, 107-114.	9.4	22
25	Immobilization of cationic polymer particles having active ester groups onto solid surfaces. Colloid and Polymer Science, 2002, 280, 942-948.	2.1	21
26	One-pot Chemoenzymatic Route to Chitoheptaose via Specific Transglycosylation of Chitopentaoseâ€“Oxazoline on Chitinase-template. Chemistry Letters, 2012, 41, 689-690.	1.3	21
27	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. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 482, 68-78.	4.7	21
28	Magnetically Responsive Polymer Network Constructed by Poly(acrylic acid) and Holmium. Macromolecules, 2018, 51, 6740-6745.	4.8	21
29	Synthesis of polyarbutin by oxidative polymerization using PEGylated hematin as a biomimetic catalyst. Polymer Journal, 2010, 42, 952-955.	2.7	20
30	One-step synthesis of spherical/nonspherical polymeric microparticles using non-equilibrium microfluidic droplets. RSC Advances, 2014, 4, 13557.	3.6	20
31	Stepwise synthesis of chitooligosaccharides through a transition-state analogue substrate catalyzed by mutants of chitinase A1 from Bacillus circulans WL-12. Holzforschung, 2006, 60, 485-491.	1.9	18
32	Preparation of coreâ€“shell coagulates by hydrophobic heterocoagulation of micron-sized poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 T and Engineering Aspects, 2010, 356, 169-175.	4.7	18
33	Preparation of titania hollow particles with independently controlled void size and shell thickness by catalytic templating coreâ€“shell polymer particles. Colloid and Polymer Science, 2013, 291, 215-222.	2.1	17
34	Development of HRP-mediated enzymatic polymerization under heterogeneous conditions for the preparation of functional particles. Polymer Journal, 2014, 46, 373-380.	2.7	16
35	A metal-lustrous porphyrin foil. Chemical Communications, 2017, 53, 10703-10706.	4.1	16
36	Preparation of photochromic liquid core nanocapsules based on theoretical design. Journal of Colloid and Interface Science, 2019, 547, 318-329.	9.4	16

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37	Preparation of liquid crystal nanocapsules by polymerization of oil-in-water emulsion monomer droplets. Journal of Colloid and Interface Science, 2020, 563, 122-130.	9.4	16
38	Preparation of glycopolymer hollow particles by sacrificial dissolution of colloidal templates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 369, 240-245.	4.7	15
39	Simple and Efficient Chiral Dopants to Induce Blue Phases and Their Optical Purity Effects on the Physical Properties of Blue Phases. Journal of Physical Chemistry B, 2014, 118, 10319-10332.	2.6	15
40	Polystyrene latex particles containing europium complexes prepared by miniemulsion polymerization using bovine serum albumin as a surfactant for biochemical diagnosis. Colloids and Surfaces B: Biointerfaces, 2016, 145, 152-159.	5.0	15
41	Synthesis and Optoelectronic Properties of Completely Carbazole-substituted Double-decker-shaped Silsesquioxane. Chemistry Letters, 2010, 39, 1162-1163.	1.3	14
42	Generation of hexagonal close-packed ring-shaped structures using an optical vortex. Nanophotonics, 2022, 11, 855-864.	6.0	14
43	Adhesion Control of Branched Catecholic Polymers by Acid Stimulation. ACS Omega, 2018, 3, 16626-16632.	3.5	13
44	Generation of Axially Polar Ferroelectricity in a Columnar Liquid Crystal Phase by Introducing Chirality. Advanced Electronic Materials, 2020, 6, 2000201.	5.1	13
45	Hairy Polydopamine Particles as Platforms for Photonic and Magnetic Materials. Photonics, 2018, 5, 36.	2.0	12
46	Chemical immobilization of polymeric microspheres onto inorganic solid surfaces. Macromolecular Symposia, 2000, 151, 529-534.	0.7	11
47	Enzymatic emulsifier-free emulsion polymerization to prepare polystyrene particles using horseradish peroxidase as a catalyst. Polymer Journal, 2013, 45, 354-358.	2.7	11
48	Surface Modification of Polydopamine Particles <i>via</i> Magnetically-Responsive Surfactants. Transactions of the Materials Research Society of Japan, 2016, 41, 301-304.	0.2	11
49	Small-Angle Neutron Scattering Study on Specific Polymerization Loci Induced by Copolymerization of Polymerizable Surfactant and Styrene during Miniemulsion Polymerization. Macromolecules, 2012, 45, 9435-9444.	4.8	10
50	Quantification of ATRP initiator density on polymer latex particles by fluorescence labeling technique using copper-catalyzed azide-alkyne cycloaddition. Journal of Polymer Science Part A, 2013, 51, 4042-4051.	2.3	10
51	Full-Color Magnetic Nanoparticles Based on Holmium-Doped Polymers. ACS Applied Polymer Materials, 2020, 2, 1800-1806.	4.4	10
52	Effect of Surfactant Type on Enzymatic Miniemulsion Polymerization Using Horseradish Peroxidase as a Catalyst. Chemistry Letters, 2012, 41, 1131-1133.	1.3	9
53	Structural Color Materials from Polydopamine-Inorganic Hybrid Thin Films Inspired by Rock Pigeon Feathers. Kobunshi Ronbunshu, 2017, 74, 54-58.	0.2	9
54	Effect of the Polydopamine Composite Method on Structural Coloration: Comparison of Binary and Unary Assembly of Colloidal Particles. Langmuir, 2020, 36, 11880-11887.	3.5	9

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55	Control of Structural Coloration by Natural Sunlight Irradiation on a Melanin Precursor Polymer Inspired by Skin Tanning. Biomacromolecules, 2021, 22, 1730-1738.	5.4	9
56	Hierarchically Structured Coatings by Colorless Polydopamine Thin Layer and Polymer Brush Layer. Transactions of the Materials Research Society of Japan, 2014, 39, 157-160.	0.2	8
57	Effect of the number of chiral mesogenic units and their spatial arrangement in dopant molecules on the stabilisation of blue phases. Liquid Crystals, 2014, 41, 839-849.	2.2	8
58	Achiral straight-rod liquid crystals indicating local biaxiality and ferroelectric switching behavior in the smectic A and nematic phases. Journal of Materials Chemistry C, 2015, 3, 3574-3581.	5.5	8
59	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. Liquid Crystals, 2017, 44, 956-968.	2.2	8
60	Colloidal crystals of cationic spheres. Colloid and Polymer Science, 2004, 282, 250-255.	2.1	7
61	Design and Utilization of Chitinases with Low Hydrolytic Activities. Trends in Glycoscience and Glycotechnology, 2007, 19, 165-180.	0.1	7
62	Nanogel particle-based lanthanide composites for transparent magnetic materials. Materials Letters, 2019, 254, 278-281.	2.6	7
63	Poly-Î²-Ketoester Particles as a Versatile Scaffold for Lanthanide-Doped Colorless Magnetic Materials. ACS Applied Polymer Materials, 2020, 2, 2170-2178.	4.4	7
64	A Bacterial Chitinase Acts as Catalyst for Synthesis of the Nâ€Linked Oligosaccharide Core Trisaccharide by Employing a Sugar Oxazoline Substrate. Journal of Carbohydrate Chemistry, 2006, 25, 533-541.	1.1	6
65	Hydrogen bond network-stabilisation of blue phases by addition of a chiral N-(10-hydroxydecyl)succinimide derivative and alkane diols. Liquid Crystals, 2017, 44, 1332-1339.	2.2	6
66	Shapeâ€Assisted Selfâ€Organization in Highly Disordered Liquid Crystal Phases. Angewandte Chemie - International Edition, 2017, 56, 4598-4602.	13.8	6
67	In-situ assembly of diblock copolymers onto submicron-sized particles for preparation of core-shell and ellipsoidal particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 512, 80-86.	4.7	6
68	Bright Solvent Sensor Using an Inverse Opal Structure Containing Melanin-mimicking Polydopamine. Chemistry Letters, 2021, 50, 106-109.	1.3	6
69	Preparation of polymer latex particles carrying salt-responsive fluorescent graft chains. Polymer, 2014, 55, 5080-5087.	3.8	5
70	Biomimetic Structural Color Materials Based on Artificial Melanin Particles. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2020, 33, 111-116.	0.3	5
71	Preparation of Polymer Nanoparticles via Phase Inversion Temperature Method Using Amphiphilic Block Polymer Synthesized by Atom Transfer Radical Polymerization. Transactions of the Materials Research Society of Japan, 2014, 39, 125-128.	0.2	4
72	Acid-induced Control of Surface Properties Using a Catecholic Silane Coupling Reagent. Chemistry Letters, 2019, 48, 551-554.	1.3	4

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73	A Low-temperature Axially Polar Ferroelectric Columnar Liquid Crystal Compound Possessing Branched Alkyl Chains. Chemistry Letters, 2020, 49, 768-770.	1.3	4
74	Stimuli-Responsive Biomimetic Metallic Luster Films Using Dye Absorption and Specular Reflection from Layered Microcrystals. ACS Applied Polymer Materials, 2021, 3, 1819-1827.	4.4	4
75	Chiral Self-Sorting and the Realization of Ferroelectricity in the Columnar Liquid Crystal Phase of an Optically Inactive N,Nâ€²-Diphenylurea Derivative Possessing Six (Â±)-Citronellyl Groups. ACS Omega, 2021, 6, 18451-18457.	3.5	4
76	Effects of Graft Shell Thickness and Compositions on Lectin Recognition of Glycoparticles. Journal of Colloid Science and Biotechnology, 2013, 2, 45-52.	0.2	4
77	A Polarity-adjustable Columnar Liquid Crystalline Compound by Intermittent Voltage Application. Chemistry Letters, 2019, 48, 315-318.	1.3	3
78	Construction of a liquid crystalline double helix supramolecular structure and its electro-responsive behaviour. Liquid Crystals, 2021, 48, 295-306.	2.2	3
79	External stimulus control of structural color visibility using colloidal particles covered with a catecholic polymer shell layer. Polymer Journal, 2022, 54, 1039-1043.	2.7	3
80	A Green Approach for the Synthesis of Fluorescent Polymer Particles by Combined Use of Enzymatic Miniemulsion Polymerization with Clickable Surfmer and Click Reaction. Transactions of the Materials Research Society of Japan, 2014, 39, 57-60.	0.2	2
81	Simple and highly efficient chiral dopant molecules possessing both rod- and arch-like units. Soft Matter, 2014, 10, 6582-6588.	2.7	2
82	Does Introduction of a Bent Tail Stabilize Biaxiality and Lateral Switching Behavior of Smectic A Liquid Crystal Phases of Rodlike Molecules?. Journal of Physical Chemistry B, 2019, 123, 4324-4332.	2.6	2
83	Glycopolymer-Grafted Polymer Particles for Lectin Recognition. Methods in Molecular Biology, 2016, 1367, 137-147.	0.9	2
84	A selectable approach for polarity-fixed and polarity-controllable polymer films with hexagonal columnar structures. Materials Letters, 2020, 272, 127863.	2.6	2
85	Development of Environmentally-Friendly Preparation and Surface-Modification of Polymer Particles by Enzymatic Polymerization. Kobunshi Ronbunshu, 2013, 70, 386-397.	0.2	2
86	A thermo-birefringence switchable columnar liquid crystalline compound. Materials Letters, 2022, 307, 131055.	2.6	2
87	Polymer Photonic Crystals Prepared by Triblock Copolymerization-inducedin situMicrophase Separation. Chemistry Letters, 2022, 51, 625-628.	1.3	2
88	Colorless Magnetic Colloidal Particles Based on an Amorphous Metalâ€Organic Framework Using Holmium as the Metal Species.. ChemNanoMat, 2022, 8, .	2.8	2
89	Encapsulation of Pigments by Amphiphilic Acrylic-Polyurethane Graft Copolymers. Journal of the Japan Society of Colour Material, 1999, 72, 748-759.	0.1	1
90	Preparation of Electro-optically Responsive Liquid Crystal Nanocapsules by Miniemulsion Polymerization of Oil-in-Water Emulsion Monomer Droplets. Chemistry Letters, 2021, 50, 1566-1569.	1.3	1

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91	Highly Ordered Organic Piezoresponsive Materials Obtained by Cross-linking Electroresponsive Columnar Liquid Crystal Compounds. Chemistry Letters, 2021, 50, 35-38.	1.3	1
92	Synthesis of luminescent coreâ€“shell polymer particles carrying amino groups for covalent immobilization of enzymes. Colloid and Polymer Science, 2022, 300, 319-331.	2.1	1
93	Photochemical conversion of the o-nitrobenzyl-C-glucoside to a sugar lactone. Carbohydrate Research, 2011, 346, 2965-2969.	2.3	0
94	Polydopamine-Assisted Surface Modification and Optical Application. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2017, 68, 138-142.	0.2	0
95	Fabrication of Colored Magnetic Powder Using Magnetic Polymer Network. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2021, 28, 44-48.	0.0	0
96	Preparation of Raspberry-Like Silica-Titania Hybrid Particles with Photocatalytic Activity by Catalytic Templating Coreâ€“Shell Particles. Journal of Colloid Science and Biotechnology, 2014, 3, 68-74.	0.2	0
97	Preparation of Functional Polymer Particles by a Combination of Heterophase Radical Polymerization and Living Radical Polymerization. Journal of the Japan Society of Colour Material, 2016, 89, 395-398.	0.1	0
98	Biomimetic Structural Color Materials Based on Artificial Melanin Particles. Journal of the Japan Society of Colour Material, 2019, 92, 195-199.	0.1	0
99	Control of Radical Polymerization and Cationic Polymerization in Photocurable Resin for 3D Printers. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2021, 34, 231-236.	0.3	0
100	Effect of Acrylic and Epoxy Hybrid Crosslinker on the Mechanical Strength of Photocurable Resin for 3D Printing. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2021, 34, 237-249.	0.3	0
101	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. Chemistry Letters, 2022, 51, 735-738.	1.3	0
102	Front Cover: Colorless Magnetic Colloidal Particles Based on an Amorphous Metalâ€Organic Framework Using Holmium as the Metal Species. (ChemNanoMat 7/2022). ChemNanoMat, 2022, 8, .	2.8	0