

Tomokazu Iyoda

List of Publications by Year in descending order

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times ranked

6033
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic bactericidal effect of TiO ₂ thin films: dynamic view of the active oxygen species responsible for the effect. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 106, 51-56.	3.9	586
2	Synthesis, Nanostructures, and Functionality of Amphiphilic Liquid Crystalline Block Copolymers with Azobenzene Moieties. <i>Macromolecules</i> , 2002, 35, 3739-3747.	4.8	382
3	Photoinduced Alignment of Nanocylinders by Supramolecular Cooperative Motions. <i>Journal of the American Chemical Society</i> , 2006, 128, 11010-11011.	13.7	288
4	Magnetic properties of mixed ferro-ferrimagnets composed of Prussian blue analogs. <i>Physical Review B</i> , 1997, 56, 11642-11652.	3.2	270
5	Photoinduced magnetic pole inversion in a ferro-ferrimagnet: (Fe _{0.40} Mn _{0.60}) _{1.5} Cr _{III} (CN) ₆ . <i>Applied Physics Letters</i> , 1997, 70, 1040-1042.	3.3	237
6	Amphiphilic Polymer Brushes Grown from the Silicon Surface by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2001, 34, 1837-1844.	4.8	221
7	An advanced visible-light-induced water reduction with dye-sensitized semiconductor powder catalyst. <i>Journal of the American Chemical Society</i> , 1985, 107, 35-41.	13.7	219
8	Preparation of Transparent TiO ₂ Thin Film Photocatalyst and Its Photocatalytic Activity. <i>Chemistry Letters</i> , 1995, 24, 841-842.	1.3	218
9	Self-Assembly of Uniform Spherical Aggregates of Magnetic Nanoparticles through π - π Interactions. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2135-2138.	13.8	165
10	Formation Process of Silver-Polypyrrole Coaxial Nanocables Synthesized by Redox Reaction between AgNO ₃ and Pyrrole in the Presence of Poly(vinylpyrrolidone). <i>Journal of Physical Chemistry B</i> , 2005, 109, 18283-18288.	2.6	131
11	A novel type of polymer battery using a polypyrrole polyanion composite anode. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 327-328.	2.0	109
12	Photoelectrochemical properties of bis(2,2'-bipyridine)(4,4'-dicarboxy-2,2'-bipyridine)ruthenium(II) chloride. <i>The Journal of Physical Chemistry</i> , 1985, 89, 642-645.	2.9	94
13	Normally Oriented Cylindrical Nanostructures in Amphiphilic PEO- <i>b</i> -LC Diblock Copolymers Films. <i>Macromolecules</i> , 2011, 44, 7645-7658.	4.8	93
14	Anisotropic Ion Conductivity in Liquid Crystalline Diblock Copolymer Membranes with Perpendicularly Oriented PEO Cylindrical Domains. <i>Macromolecules</i> , 2007, 40, 8125-8128.	4.8	84
15	Electron and Hole Transport To Trap Groups at the Ends of Conjugated Polyfluorenes. <i>Journal of the American Chemical Society</i> , 2008, 130, 11912-11920.	13.7	77
16	Structural investigation of azobenzene-containing self-assembled monolayer films. <i>Journal of Electroanalytical Chemistry</i> , 1997, 438, 213-219.	3.8	75
17	Fabrication of Left-Handed Metal Microcoil from Spiral Vessel of Vascular Plant. <i>Advanced Materials</i> , 2011, 23, 5509-5513.	21.0	75
18	Syntheses of conducting polymer Langmuir-Blodgett multilayers. <i>Thin Solid Films</i> , 1989, 179, 225-231.	1.8	74

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19	AFM Cross-Sectional Imaging of Perpendicularly Oriented Nanocylinder Structures of Microphase-Separated Block Copolymer Films by Crystal-like Cleavage. <i>Macromolecules</i> , 2007, 40, 4106-4108.	4.8	72
20	Reversible Photoswitching of Ferromagnetic FePt Nanoparticles at Room Temperature. <i>Journal of the American Chemical Society</i> , 2007, 129, 5538-5543.	13.7	70
21	A novel anisotropic conducting thin film having a conducting and insulating layered structure. <i>Thin Solid Films</i> , 1988, 160, 67-79.	1.8	68
22	Helical, Chiral Polyisocyanides Bearing Ferrocenyl Groups as Pendants: Synthesis and Properties. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4349-4352.	13.8	65
23	Novel Amphiphilic Diblock and Triblock Liquid-Crystalline Copolymers with Well-Defined Structures Prepared by Atom Transfer Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1594-1598.	3.9	63
24	Photoinduced Nanoscale Cooperative Motion in a Well-Defined Triblock Copolymer. <i>Small</i> , 2007, 3, 768-771.	10.0	63
25	Single-molecule electroluminescence and photoluminescence of polyfluorene unveils the photophysics behind the green emission band. <i>Nature Communications</i> , 2014, 5, 4666.	12.8	62
26	Spirulina-Templated Metal Microcoils with Controlled Helical Structures for THz Electromagnetic Responses. <i>Scientific Reports</i> , 2014, 4, 4919.	3.3	61
27	Self-organized formation and self-repair of a two-dimensional nanoarray of Ge quantum dots epitaxially grown on ultrathin SiO ₂ -covered Si substrates. <i>Nanotechnology</i> , 2010, 21, 095305.	2.6	58
28	Photoresponsive Coordination Assembly with a Versatile Logs-Stacking Channel Structure Based on Redox-Active Ligand and Cupric Ion. <i>Journal of the American Chemical Society</i> , 2001, 123, 12105-12106.	13.7	57
29	Tuning of Superexchange Couplings in a Molecule-Based Ferroferrimagnet: $\text{Ni}_{1-x}\text{Mn}_x\text{[Cr(CN)}_6\text{]}_2$. <i>Inorganic Chemistry</i> , 1997, 36, 268-269.	4.0	56
30	Novel Wormlike Nanostructures Self-Assembled in a Well Defined Liquid Crystalline Diblock Copolymer with Azobenzene Moieties. <i>Macromolecular Rapid Communications</i> , 2007, 28, 927-931.	3.9	54
31	EPR and Density Functional Studies of Light-Induced Radical Pairs in a Single Crystal of a Hexaarylbiimidazolyl Derivative. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 580-582.	13.8	52
32	A multi-mode chemical transducer 1 new conjugated function of photochromism and electrochromism of azo-quinone compound. <i>Tetrahedron Letters</i> , 1989, 30, 5429-5432.	1.4	51
33	Atomic Force Microscopy and Kelvin Probe Force Microscopy Evidence of Local Structural Inhomogeneity and Nonuniform Dopant Distribution in Conducting Polybithiophene. <i>The Journal of Physical Chemistry</i> , 1996, 100, 18603-18606.	2.9	51
34	Voltammetric anion recognition by a highly cross-linked polyviologen film. <i>Journal of Electroanalytical Chemistry</i> , 1999, 473, 145-155.	3.8	49
35	Site-Specific Recognition of Nanophase-Separated Surfaces of Amphiphilic Block Copolymers by Hydrophilic and Hydrophobic Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1120-1123.	13.8	49
36	Order-Order and Order-Disorder Transitions in Thin Films of an Amphiphilic Liquid Crystalline Diblock Copolymer. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8486-8495.	2.6	49

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37	Block Copolymer Permeable Membrane with Visualized High-Density Straight Channels of Poly(ethylene Terephthalate)- <i>b</i> -Poly(2-vinylpyridine) Block Copolymer. <i>Macromolecules</i> , 2014, 47, 1777-1782.	14.9	49
38	Enormously Wide Range Cylinder Phase of Liquid Crystalline PEO- <i>b</i> -PMA(Az) Block Copolymer. <i>Macromolecules</i> , 2014, 47, 1777-1782.	4.8	49
39	CHARGE-CONTROLLABLE MEMBRANE. POLYPYRROLE-POLYELECTROLYTE COMPOSITE MEMBRANE THROUGH ANODIC DOPING PROCESS. <i>Chemistry Letters</i> , 1986, 15, 687-690.	1.3	47
40	Control of Photonic Band Structure by Molecular Aggregates. <i>Journal of the American Chemical Society</i> , 2000, 122, 10730-10731.	13.7	46
41	Control of Air-Interface-Induced Perpendicular Nanocylinder Orientation in Liquid Crystal Block Copolymer Films by a Surface-Covering Method. <i>Macromolecules</i> , 2015, 48, 672-678.	4.8	46
42	Smart block copolymer masks with molecule-transport channels for total wet nanopatterning. <i>Journal of Materials Chemistry</i> , 2008, 18, 5482.	6.7	45
43	A New Class of Carborane Compounds for Second-Order Nonlinear Optics: Ab Initio Molecular Orbital Study of Hyperpolarizabilities for 1-(1-X ⁻ -Dicarba-closo-dodecaborane-1-yl)-closo-dodecaborate Dianion (X = 2, 7, 12). <i>Inorganic Chemistry</i> , 1998, 37, 172-173.	4.0	44
44	Effective adsorption-desorption of cations on a polypyrrole-polymer anion composite electrode. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 1415-1417.	2.0	43
45	Photocontrolled Magnetization of CdS-Modified Prussian Blue Nanoparticles. <i>Journal of the American Chemical Society</i> , 2006, 128, 10978-10982.	13.7	40
46	The 100-Å-order depth profile control of polypyrrole-poly(3-methylthiophene) composite thin film by potential-programmed electropolymerization. <i>The Journal of Physical Chemistry</i> , 1991, 95, 5215-5220.	2.9	38
47	Electron microscopic evidence for the layered structure of a conducting polypyrrole Langmuir-Blodgett film. <i>Langmuir</i> , 1987, 3, 1169-1170.	3.5	37
48	Fast Controlled Living Polymerization of Arylisocyanide Initiated by Aromatic Nucleophile Adduct of Nickel Isocyanide Complex. <i>ACS Macro Letters</i> , 2013, 2, 906-911.	4.8	37
49	Photocrosslinkable liquid-crystalline block copolymers with coumarin units synthesized with atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2003, 41, 2197-2206.	2.3	36
50	Anion-Controlled Redox Process in a Cross-linked Polyviologen Film toward Electrochemical Anion Recognition. <i>Langmuir</i> , 2001, 17, 155-163.	3.5	35
51	Electronic structure of light-induced lophyl radical derived from a novel hexaarylbiimidazole with π -conjugated chromophore. <i>Chemical Communications</i> , 2002, , 1484-1485.	4.1	35
52	A soft-hard-tunable molecule-based magnet via photo-induced spin-flopping transition in a MnTEtOPP-TCNE charge transfer salt. <i>Solid State Communications</i> , 1997, 102, 809-812.	1.9	34
53	Tailored Ag nanoparticle array fabricated by block copolymer photolithography. <i>Thin Solid Films</i> , 2008, 516, 2577-2581.	1.8	34
54	Photoelectrochemical and Photocatalytic Properties of Biphasic Organic p- and n-Type Semiconductor Nanoparticles Fabricated by a Reprecipitation Process. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1902-1909.	8.0	34

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55	Pd ⁰ -Promoted Ni ⁰ -P Electroless Deposition on a Hydrogen-Bonded Molecular Surface of a Supramolecular Fibrous Template. <i>Chemistry of Materials</i> , 2006, 18, 2152-2158.	6.7	33
56	Photo-Induced Structural Transformation on the Surface of Azobenzene Crystals. <i>Japanese Journal of Applied Physics</i> , 1997, 36, 3898-3902.	1.5	32
57	Direct Observation of Faceted Grain Growth of Hexagonal Cylinder Domains in a Side Chain Liquid Crystalline Block Copolymer Matrix. <i>Macromolecules</i> , 2013, 46, 9013-9020.	4.8	32
58	Diaphragmatic chemical polymerization of pyrrole in the Nafion film. <i>Macromolecules</i> , 1990, 23, 1971-1976.	4.8	31
59	Molecular Arrangement in an Azobenzene-Terminated Self-Assembled Monolayer Film. <i>Chemistry Letters</i> , 1996, 25, 1005-1006.	1.3	31
60	Engineered Asymmetric Composite Membranes with Rectifying Properties. <i>Advanced Materials</i> , 2016, 28, 757-763.	21.0	31
61	Terahertz emission from gold nanorods irradiated by ultrashort laser pulses of different wavelengths. <i>Scientific Reports</i> , 2019, 9, 3280.	3.3	31
62	Electropolymerization of Bis(4-cyano-1-pyridinio) Derivatives for the Preparation of Polyviologen Films on Electrodes. <i>Bulletin of the Chemical Society of Japan</i> , 1993, 66, 2054-2060.	3.2	29
63	Transition-Metal-Free Controlled Polymerization of 2-Perfluoroaryl-5-trimethylsilylthiophenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 10238-10241.	13.7	29
64	Weak visible light ($\sim 1/4 \text{ mW/cm}^2$) organophotocatalysis for mineralization of amine, thiol and aldehyde by biphasic cobalt phthalocyanine/fullerene nanocomposites prepared by wet process. <i>Applied Catalysis B: Environmental</i> , 2016, 193, 240-247.	20.2	29
65	New method for preparing poly(benzo[c]thiophene) thin films by photopolymerization. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1618.	2.0	28
66	Efficient anodic pyridination of poly(3-hexylthiophene) toward post-functionalization of conjugated polymers. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1779-1784.	2.8	28
67	Photocatalytic decomposition of N-methyl-2-pyrrolidone, aldehydes, and thiol by biphasic and p/n junction-like organic semiconductor composite nanoparticles responsive to nearly full spectrum of visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 244, 18-23.	3.9	28
68	ACCORDION-TYPE AGGREGATE OF WATER-SOLUBLE Meso-TETRAPHENYLPORPHYRIN DERIVATIVES. <i>Chemistry Letters</i> , 1981, 10, 853-856.	1.3	27
69	Preparation and properties of amphiphilic polythiophene Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1993, 230, 65-69.	1.8	27
70	Stable macroscopic nanocylinder arrays in an amphiphilic diblock liquid-crystalline copolymer with successive hydrogen bonds. <i>Journal of Materials Chemistry</i> , 2007, 17, 3485.	6.7	27
71	Laboratory-GISAXS Measurements of Block Copolymer Films with Highly Ordered and Normally Oriented Nanocylinders. <i>Chemistry Letters</i> , 2009, 38, 408-409.	1.3	27
72	Multi-mode chemical transducers. Part 2. Electrochromic and photochromic properties of azoquinone compounds. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 1181.	0.9	25

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73	Novel Synthesis of π -Conjugated Molecules by Cross-Metathesis of Vinylarene and Vinylferrocene with a Schrock Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 705.	4.3	24
74	Synthesis, Liquid-Crystalline Properties, and Supramolecular Nanostructures of Dendronized Poly(isocyanide)s and Their Precursors. <i>Chemistry - A European Journal</i> , 2006, 12, 584-591.	3.3	24
75	Selective Doping of Lead Ions into Normally Aligned PEO Cylindrical Nanodomains in Amphiphilic Block Copolymer Thin Films. <i>Chemistry Letters</i> , 2007, 36, 978-979.	1.3	23
76	Emission control of a pyrene-thioindigo compound. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 591.	2.0	22
77	Optical properties of conjugated polymer superlattices prepared by potential ϵ programmed electropolymerization. <i>Journal of Applied Physics</i> , 1993, 74, 1283-1286.	2.5	22
78	Intramolecular Magnetic Interaction of Phenylene-Linked Bis- β^2 -diketone Metal Complexes. <i>Chemistry Letters</i> , 2000, 29, 812-813.	1.3	22
79	Electronic States of Cobalt Iron Cyanides Studied by ^{57}Fe M \ddot{u} ssbauer Spectroscopy. <i>Chemistry Letters</i> , 1997, 26, 289-290.	1.3	21
80	Photoredox and electrochemical reactions of water-soluble gold porphyrins. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1987, 83, 2191.	1.1	20
81	Synthesis and self-assembly of phthalocyanine-tethered block copolymers. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2484-2490.	5.5	20
82	Transition-metal-free controlled polymerization for poly(p-aryleneethynylene)s. <i>Chemical Science</i> , 2015, 6, 492-496.	7.4	20
83	Effects of electrolytes on redox potentials through ion pairing. <i>Journal of Electroanalytical Chemistry</i> , 2017, 804, 107-115.	3.8	20
84	Synthesis of polyisocyanide derived from phenylalanine and its temperature-dependent helical conformation. <i>Journal of Polymer Science Part A</i> , 2002, 40, 399-408.	2.3	19
85	Selective Synthesis of 1-Aryl-2-ferrocenylethylene by Cross-Metathesis. <i>Chemistry Letters</i> , 2001, 30, 812-813.	1.3	18
86	Perpendicularly Oriented Cylinder Nanostructure of Liquid Crystalline Block Copolymer Film on Si Substrate with Various Surface Wettability. <i>Chemistry Letters</i> , 2012, 41, 110-112.	1.3	18
87	Ultrahigh density electrolytic nanoreactors composed of liquid crystalline block copolymer template: water-electrolysis-induced deposition of cerium oxyhydroxide nanorod array. <i>Journal of Materials Chemistry</i> , 2012, 22, 9477.	6.7	18
88	Syntheses of Ruthenium(II) ϵ Poly(4-vinylpyridine) Complexes and Their Spectroscopic Studies. <i>Polymer Journal</i> , 1981, 13, 889-895.	2.7	17
89	Cationic polypyrrole composites with anionic functional molecules. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 1765.	1.7	17
90	Electrochemical Syntheses and Electrochromic Properties of Chromium Cyanide Magnetic Thin Films. <i>Chemistry Letters</i> , 1997, 26, 37-38.	1.3	17

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91	Selective Ni~P Electroless Plating on Photopatterned Cationic Adsorption Films Influenced by Alkyl Chain Lengths of Polyelectrolyte Adsorbates and Additive Surfactants. <i>Langmuir</i> , 2004, 20, 9844-9851.	3.5	17
92	Photoresponsive Behavior and Photochemical Phase Transition of Amphiphilic Diblock Liquid-Crystalline Copolymer. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 443, 191-199.	0.9	17
93	Helical micromotor operating under stationary DC electrostatic field. <i>Journal of Chemical Physics</i> , 2019, 150, 014901.	3.0	17
94	Longitudinal and Lateral Integration of Conducting Polymer Nanowire Arrays via Block-Copolymer-Templated Electropolymerization. <i>Chemistry of Materials</i> , 2015, 27, 4972-4982.	6.7	16
95	A functionalized polypyrrole film prepared by chemical polymerization at a vapour-liquid interface. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 1414-1415.	2.0	15
96	Controlled Homeotropic and Homogeneous Orientations for Nanoscale Phase-separated Domain of Light-emitting Amphiphilic Block Copolymer Bearing a 2,5-Diarylthiazole Moiety. <i>Chemistry Letters</i> , 2008, 37, 272-273.	1.3	15
97	Multilayerization of Organophotocatalyst Films that Efficiently Utilize Natural Sunlight in a One-Pass-Flow Water Purification System. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1033-1039.	6.7	15
98	Effect of interface on thermodynamic behavior of liquid crystalline type amphiphilic di-block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1354-1364.	2.1	14
99	Surface-Assisted Unidirectional Orientation of ZnO Nanorods Hybridized with Nematic Liquid Crystals. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 811-818.	8.0	14
100	A donor-crown-acceptor triad: the effect of cations included into the triad on the photo-induced electron-transfer rate. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1480-1481.	2.0	13
101	Cross-metathesis of vinyl aromatic heterocycles with 1-octene in the presence of a Schrock catalyst. <i>Journal of Molecular Catalysis A</i> , 2002, 190, 45-53.	4.8	13
102	Micellar structures of block-copolymers with ordered cores in dilute solution as studied by polarized and depolarized light scattering. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1333-1343.	2.1	13
103	Effect of Recording Time on Grating Formation and Enhancement in an Amphiphilic Diblock Liquid-Crystalline Copolymer. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 498, 29-39.	0.9	13
104	Novel Catalysts of Au/SiO ₂ Hybrid Nanorod Arrays for the Direct Formation of Hydrogen Peroxide. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 489-493.	2.3	13
105	Slowing the translocation of single-stranded DNA by using nano-cylindrical passage self-assembled by amphiphilic block copolymers. <i>Nanoscale</i> , 2016, 8, 18270-18276.	5.6	13
106	Ordered mesoporous crystalline titania with high thermal stability from comb-like liquid crystal block copolymers. <i>RSC Advances</i> , 2016, 6, 55834-55841.	3.6	13
107	Hydroxylation of phenylalanine by aqueous H ₂ O ₂ in the presence of an artificial water-soluble iron porphyrin complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1981, , 1206.	2.0	12
108	Theoretical Study of the Third-Order Nonlinear Optical Properties of Spiro-Linked Polyene. <i>Journal of Physical Chemistry B</i> , 1997, 101, 145-149.	2.6	12

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109	Metathesis of halogen-containing olefin over Re ₂ O ₇ /Al ₂ O ₃ catalyst promoted with alkylmetal as a cocatalyst. <i>Journal of Molecular Catalysis A</i> , 1998, 133, 51-59.	4.8	12
110	Cross-metathesis of vinyl aromatic heterocycles: comparison of Grubbs catalyst and Schrock catalyst. <i>Journal of Molecular Catalysis A</i> , 2002, 190, 33-43.	4.8	12
111	Nanodimple Arrays Fabricated on SiO ₂ Surfaces by Wet Etching through Block Copolymer Thin Films. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 5039-5041.	1.5	12
112	Solvent induced formation of an ordered nanorod array of gold/polymer composite by block copolymer film templating. <i>Nanotechnology</i> , 2011, 22, 335301.	2.6	12
113	Nanoporous Films with Sub-10 nm in Pore Size from Acid-Cleavable Block Copolymers. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600662.	3.9	12
114	Syntheses of unsymmetrically N,N'-bis(substituted)-4,13-diaza-18-crown-6-ether derivatives as a new electron donor-spacer-acceptor triad. <i>Tetrahedron Letters</i> , 1993, 34, 95-98.	1.4	11
115	Supramolecular Framework Based on Pyridinodiketone Ligand via Non-classic Hydrogen Bonding. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2009, 19, 124-132.	3.7	11
116	Surface-enhanced Raman Scattering (SERS) Effect of Hexagonally Arranged Gold Nanoparticle Array with 29-nm Particles and 23-nm Gaps Using Liquid-crystalline Block-copolymer Template. <i>Chemistry Letters</i> , 2013, 42, 71-73.	1.3	11
117	Microwave-Assisted Synthesis of Dendritic Viologen-Arranged Molecules with an α -Mercaptoalkyl Group and Their Self-Assembled Monolayers Complexed with Various Anions. <i>Macromolecules</i> , 2015, 48, 8090-8097.	4.8	11
118	Optical Third-Harmonic Generation in Polyaniline Cast Films. <i>Polymer Journal</i> , 1993, 25, 417-420.	2.7	10
119	Poly(benzo[c]thiophene-2-oxide) thin film. <i>Synthetic Metals</i> , 2000, 114, 235-242.	3.9	10
120	Electrochemical synthesis of a pyridinium-conjugated assembly based on nucleophilic substitution of oligothiophene π -radical cation. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 1135-1140.	1.3	10
121	Spherical Compound Micelles with Lamellar Stripes Self-Assembled from Star Liquid Crystalline Diblock Copolymers in Solution. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700148.	2.2	10
122	Grain size of a hard molecule-based-magnet of manganese porphyrin-tetracyanoethylene charge transfer salt. <i>Thin Solid Films</i> , 1998, 331, 165-169.	1.8	9
123	Photoinduced Electron Transfer from Nitoxide Free Radicals to the Triplet State of C ₆₀ . <i>Journal of Physical Chemistry A</i> , 2003, 107, 2815-2820.	2.5	9
124	Generation Dependent Ultrafast Charge Separation and Recombination in a Pyrene-Viologen Family of Dendrons. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4286-4295.	2.6	9
125	Magnetic properties of charge transfer complexes of manganese porphyrin derivatives and tetracyanoethylene. <i>Synthetic Metals</i> , 1997, 85, 1701-1702.	3.9	8
126	Synthesis of π -conjugated oligo(silylene-vinylene)s by metathesis of divinylsilanes over Re ₂ O ₇ -Al ₂ O ₃ catalyst. <i>Journal of Molecular Catalysis A</i> , 2000, 160, 173-179.	4.8	8

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127	Metal Coordination Complexes Composed of Photo-Electrochemically Active Ligands. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 343, 87-96.	0.3	8
128	Densely grafted polyisocyanides synthesized by two types of polymerization techniques. <i>Journal of Polymer Science Part A</i> , 2003, 41, 1871-1880.	2.3	8
129	Control of Regular Nanostructures Self-Assembled in an Amphiphilic Diblock Liquid-Crystalline Copolymer. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 478, 271/[1027]-281/[1037].	0.9	8
130	Phase-selective staining of metal salt for scanning electron microscopy imaging of block copolymer film. <i>Ultramicroscopy</i> , 2010, 110, 1338-1342.	1.9	8
131	Conical Gradient Junctions of Dendritic Viologen Arrays on Electrodes. <i>Scientific Reports</i> , 2015, 5, 11122.	3.3	8
132	Autoxidative oligomerization of an amphiphilic aniline in monolayers at the air-water interface. <i>Thin Solid Films</i> , 1995, 271, 138-143.	1.8	7
133	Strong Magnetocrystalline Anisotropy in MnTPP-TCNE Charge Transfer Complex. <i>Chemistry Letters</i> , 1996, 25, 591-592.	1.3	7
134	Photo-Induced Nanopatterns on the Surface of C60 Single Crystals. <i>Advanced Materials</i> , 1999, 11, 649-652.	21.0	7
135	Photoinduced Alignment and Multi-Processes of Refractive-Index Gratings in Pre-Irradiated Films of an Azobenzene-Containing Liquid-Crystalline Polymer. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 470, 71-81.	0.9	7
136	Photochromism induced magnetization changes in Prussian Blue ultrathin films fabricated into the Langmuir-Blodgett films composed of an amphiphilic azobenzene and a deoxyribonucleic acid. <i>Thin Solid Films</i> , 2007, 515, 5476-5483.	1.8	7
137	A Simple and Convenient Method to Fabricate Hexagonally Ordered Gold Nanoparticle Arrays Using Diblock Copolymer Micelle Template. <i>Chemistry Letters</i> , 2010, 39, 902-904.	1.3	7
138	Selective deposition on block copolymer film by thermal evaporation of silver. <i>Surface and Coatings Technology</i> , 2012, 206, 4634-4638.	4.8	7
139	Polydimethylsiloxane-assisted alignment transition from perpendicular to parallel of cylindrical microdomains in block copolymer films. <i>RSC Advances</i> , 2016, 6, 93298-93302.	3.6	7
140	Self-template-assisted micro-phase segregation in blended liquid-crystalline block copolymers films toward three-dimensional structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21070-21078.	7.1	7
141	Mesoscopic layered structure in conducting polymer thin film fabricated by potential-programmed electropolymerization. <i>Synthetic Metals</i> , 1992, 53, 1-10.	3.9	6
142	Nanohole Arrays Fabricated on Gold Surfaces by Total Wet Nanopatterning through Block Copolymer Masks. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 06FE08.	1.5	6
143	Nanostructured Titanium Oxide Fabricated via Block Copolymer Template. <i>Electrochemistry</i> , 2009, 77, 214-218.	1.4	6
144	Large-area Fabrication of Free-Standing Thick Membrane with Microphase-Separated Cylindrical Nanostructure. <i>Transactions of the Materials Research Society of Japan</i> , 2012, 37, 409-412.	0.2	6

#	ARTICLE	IF	CITATIONS
145	Synthesis of Poly(isothianaphthene) by Photopolymerization of 1,3-Dihydroisothianaphthene. <i>Polymer Journal</i> , 1995, 27, 875-881.	2.7	5
146	The Morphology of Lamellar C_{70} Single Crystals as Studied by Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 1996, 35, L48-L51.	1.5	5
147	Photoelectrochemical Spin Manipulation of N-Arylviologen Conjugated Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 334, 149-156.	0.3	5
148	Photoinduced Polar Transition of Substrate Surfaces by Photodegradable Cationic Adsorbate Monolayers. <i>Langmuir</i> , 2003, 19, 8769-8776.	3.5	5
149	Electrochemical Synthesis of Pyridinium-Conjugated Assembly based on Nucleophilic Substitution of Pyrene/Perylene π -Radical Cation. <i>Electrochemistry</i> , 2004, 72, 171-174.	1.4	5
150	Monolithic and Low-Density ($< 50 \text{ mg/cm}^3$) Metal Oxides Fabricated Using Electrospinning: Vanadium Oxide and Copper Oxide Examples. <i>Fusion Science and Technology</i> , 2011, 59, 216-220.	1.1	5
151	Photoelectrode Characteristics of Partially Hydrolyzed Aluminum Phthalocyanine Chloride/Fullerene C60 Composite Nanoparticles Working in a Water Phase. <i>Molecules</i> , 2012, 17, 10801-10815.	3.8	5
152	Directed self-assembly of nematic liquid crystalline polymers on a rubbed polyimide alignment layer. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 06JC04.	1.5	5
153	Terminal defined chain-growth polycondensation of 4-chloropyridine. <i>Polymer</i> , 2014, 55, 3454-3457.	3.8	5
154	Linear assembly of a porphyrin- C_{60} complex confined in vertical nanocylinders of amphiphilic block copolymer films. <i>Chemical Communications</i> , 2015, 51, 1685-1688.	4.1	5
155	A Visible-Light-Induced Sandwich-Type Photocell Using Dye-Containing Polymer Coating. <i>Polymer Journal</i> , 1984, 16, 919-923.	2.7	4
156	Effect of lithium trifluoromethanesulfonate on the phase diagram of a liquid-crystalline amphiphilic diblock copolymer. <i>Journal of Applied Crystallography</i> , 2007, 40, s585-s589.	4.5	4
157	Liquid Crystallinity of Random Copolymers of Polymethacrylates Containing Biphenyl Moieties Synthesized by Atom Transfer Radical Polymerization. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 579, 30-33.	0.9	4
158	Biotemplating Process for 3D Structured Materials. <i>Nippon Gomu Kyokaishi</i> , 2014, 87, 140-145.	0.0	4
159	On the Lewis base-promoted alkynylation of electron-deficient fluorobenzenes with trimethylsilylacetylenes. <i>Tetrahedron Letters</i> , 2016, 57, 1921-1924.	1.4	4
160	Transition-metal-free controlled polymerization of 2-polyfluorophenyl-5-trimethylsilylthiophenes: the substituent impact of fluorine. <i>Polymer Chemistry</i> , 2016, 7, 7116-7125.	3.9	4
161	Amphiphilic liquid-crystalline 4-arm star copolymers with a siloxane junction leading to cylindrically nanostructured templates for a siloxane-based nanodot array. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1175-1188.	2.3	4
162	Site-Selective Self-Assembly of Fullerene Nanoparticles on Amphiphilic Block Copolymer Thin Film from Water Suspension. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 070201.	1.5	4

#	ARTICLE	IF	CITATIONS
163	Hexagonally Arrayed 17 nm Interpenetrating and Continuous Biphasic Structure via Block-Copolymer-Templating Process. Japanese Journal of Applied Physics, 2012, 51, 076704.	1.5	4
164	Functionalizations of Conducting Polymers Toward Molecular Devices. Molecular Crystals and Liquid Crystals, 1992, 216, 91-94.	0.3	3
165	Permethylhexasilane assembly fabricated by the Langmuir-Blodgett method. Journal of the Chemical Society Chemical Communications, 1992, , 1697-1698.	2.0	3
166	Imaging of One-Dimensional Conducting Pt Complexes Using Atomic Force Microscopy. Chemistry Letters, 1995, 24, 879-880.	1.3	3
167	Surface Molecular Rearrangements on the (0001) Face of C70 Single Crystals. Japanese Journal of Applied Physics, 1997, 36, 3903-3908.	1.5	3
168	AFM Molecular Images during Tip-Induced Surface Modification on the (010) Surface of a KCP(Br) Single Crystal. Journal of Physical Chemistry B, 1997, 101, 2723-2729.	2.6	3
169	Hydration-Dehydration-Induced Reversible Ordering-Disordering Transition of the Molecular Arrangement on the Surface of KCP(Br) Single Crystals. Journal of Physical Chemistry B, 1998, 102, 1989-1993.	2.6	3
170	Reaction products and the mechanism in the dimerization of 2-methyl-1-alkenes over Lewis acid and Brønsted acid catalysts: anomalous reaction behaviors of 2-methyl-1-alkenes over Re ₂ O ₇ -Al ₂ O ₃ metathesis catalyst. Journal of Molecular Catalysis A, 2000, 158, 533-540.	4.8	3
171	Nanocylinder Array Structures in Block Copolymer Thin Films. , 2006, , 171-223.		3
172	Conjugated Polymer Chains Confined in Vertical Nanocylinders of a Block Copolymer Film: Preparation, Characterization, and Optoelectronic Function. Macromolecular Rapid Communications, 2013, 34, 492-497.	3.9	3
173	Metal nanodot arrays fabricated via seed-mediated electroless plating with block copolymer thin film scaffolding. Nanotechnology, 2015, 26, 395302.	2.6	3
174	A fast controlled synthesis of poly(p-phenyleneethynylene)s under transition-metal-free conditions. Polymer Chemistry, 2016, 7, 2323-2328.	3.9	3
175	Expression of various polarization effects by using Spirulina-templated metal $\frac{1}{4}$ coils at the terahertz frequency region. Japanese Journal of Applied Physics, 2019, 58, 032007.	1.5	3
176	Synthesis of well-defined block copolymer composed of flexible amphiphilic poly(ethylene glycol) and hydrophobic liquid crystalline segments by living coordination polymerization of allene derivatives and its application to thin film with perpendicularly oriented cylindrical nanostructure. Journal of Polymer Science Part A, 2019, 57, E1.	2.3	3
177	Syntheses and Spectroelectrochemistry of 2-Cyanobipyridinium Derivatives. Chemistry Letters, 1990, 19, 1955-1958.	1.3	2
178	First-order hyperpolarizability of oligo-acene derivatives by hyper-Rayleigh scattering. Chemical Physics Letters, 1997, 279, 107-111.	2.6	2
179	Normally aligned π -conjugated Langmuir-Blodgett films of oligo-acene amphiphiles. Thin Solid Films, 1998, 325, 218-222.	1.8	2
180	Tunable molecular magnetism in conjugated assembly of functional spin units. Macromolecular Symposia, 2000, 156, 87-94.	0.7	2

#	ARTICLE	IF	CITATIONS
181	Crystal Structure and Photo-Reaction of a New Coordination Polymer: [Ni(en) ₂] ₄ [Fe(CN) ₅ NO] ₂ [Fe(CN) ₆] ₄ ·6H ₂ O. Bulletin of the Chemical Society of Japan, 2001, 74, 1617-1622.	3.2	2
182	Photocontrol of ζ-Potential of Poly(styrene) Microspheres Prepared by Soap-free Emulsion Copolymerization. Chemistry Letters, 2006, 35, 598-599.	1.3	2
183	Thermally Reversible Structural Transformation Involving a C-H···O Hydrogen Bond in a Supramolecular Crystal. Chemistry Letters, 2006, 35, 1394-1395.	1.3	2
184	Polypyrrole Nanowire Array with High Aspect Ratio Fabricated by Block-Copolymer-Templated Electropolymerization. Materials Research Society Symposia Proceedings, 2011, 1312, 1.	0.1	2
185	Site-Selective Self-Assembly of Fullerene Nanoparticles on Amphiphilic Block Copolymer Thin Film from Water Suspension. Japanese Journal of Applied Physics, 2012, 51, 070201.	1.5	2
186	Synthesis and microphase-separated nanostructures of P4VP-based amphiphilic liquid-crystalline block copolymer. Polymer Journal, 2015, 47, 571-575.	2.7	2
187	Synthesis of Multiarmed Thienylene-Tetrafluorophenylene Alternating Copolymers under Transition-Metal-Free Conditions. Macromolecules, 2016, 49, 6761-6767.	4.8	2
188	Depression of Disproportionation of ĩ-Radical Anion of Gold Porphyrin Electrostatically Fixed in a Polymer Matrix. Journal of Macromolecular Science Part A, Chemistry, 1989, 26, 621-629.	0.3	1
189	Synthesis of poly(2-thiophenediyl)benzylidene with high molecular weight and its thermal stability. Polymer Bulletin, 1995, 35, 25-31.	3.3	1
190	Thermal Nanoimprint of a Polystyrene and Poly(4-vinylpyridine) Double-Layer Thin Film and Visualization Determination of Its Internal Structure by Transmission Electron Microscopy. Japanese Journal of Applied Physics, 2009, 48, 06FH12.	1.5	1
191	Self-organized formation and self-repair of a two-dimensional nanoarray of Ge quantum dots epitaxially grown on ultrathin SiO ₂ -covered Si substrates. Nanotechnology, 2010, 21, 109803-109803.	2.6	1
192	Hexagonally Arranged Nanopore Film Fabricated via Selective Etching by 172-nm Vacuum Ultraviolet Light Irradiation. Fusion Science and Technology, 2013, 63, 257-264.	1.1	1
193	Excited State Behavior of Single Strand and Bulk P3HT in Contact with a Au-Nanowire Array. Journal of Physical Chemistry C, 2018, 122, 7925-7933.	3.1	1
194	Electrostatic Repulsion-Induced Desorption of Dendritic Viologen-Arranged Molecules Anchored on a Gold Surface through a Gold-Thiolate Bond Leading to a Tunable Molecular Template. Langmuir, 2018, 34, 6420-6427.	3.5	1
195	Size-dependent Photochemical Anion Recognition by Ion-templated Polyviologen Film. Electrochemistry, 1999, 67, 1189-1191.	1.4	1
196	Title is missing!. Electrochemistry, 2016, 84, 715-720.	1.4	1
197	Preparation of Polyviologen-modified TiO ₂ by Photocatalytic Polymerization of Bis(4-cyano-1-pyridinio)-p-xylene Dibromide. Chemistry Letters, 1993, 22, 2025-2028.	1.3	0
198	Left-Handed Metal Microcoil: Fabrication of Left-Handed Metal Microcoil from Spiral Vessel of Vascular Plant (Adv. Mater. 46/2011). Advanced Materials, 2011, 23, 5508-5508.	21.0	0

#	ARTICLE	IF	CITATIONS
199	Microphase-separated block copolymer film anchored on ITO substrate with newly designed self-assembled monolayer. Materials Research Society Symposia Proceedings, 2011, 1302, 8001.	0.1	0
200	Nanostructure Dependent Surface Energy of Silica Nanorod Arrays through Block Copolymer Templating Processes. Materials Research Society Symposia Proceedings, 2011, 1312, 1.	0.1	0
201	Hexagonally Arrayed 17 nm Interpenetrating and Continuous Biphasic Structure via Block-Copolymer-Templating Process. Japanese Journal of Applied Physics, 2012, 51, 076704.	1.5	0
202	Micro Helical Antenna Made From Biological Algae Spirulina. , 2019, , .		0
203	Magnetic property and crystallinity of a Ni-P hollow microfiber affected by immersion in a NaOH aqueous solution. Transactions of the Materials Research Society of Japan, 2008, 33, 153-156.	0.2	0
204	Perpendicularly Oriented SiO ₂ Nanopillar Array on SiO ₂ Adhesive Layer. Transactions of the Materials Research Society of Japan, 2012, 37, 421-424.	0.2	0
205	Orientation Control of Microphase Separated Nanocylinders in Confined Volume Fabricated by Inkjet Printing. Transactions of the Materials Research Society of Japan, 2014, 39, 165-168.	0.2	0
206	PHOTO-INDUCED AND ELECTROCHEMICAL REDOX MOLECULAR SYSTEMS. , 1991, , 411-425.		0
207	Electrochemical grafting of a pyridinium-conjugated assembly on graphite for H ₂ O ₂ electrochemical production. ChemElectroChem, 0, , .	3.4	0