Masahiro Muraoka

List of Publications by Year
in descending order

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37 papers	755 citations	759233 12 h-index	526287 27 g-index
40 all docs	40 docs citations	40 times ranked	942 citing authors

#	Article	IF	Citations
1	Fabrication of ZnSe Nanoparticles in the Apoferritin Cavity by Designing a Slow Chemical Reaction System. Inorganic Chemistry, 2005, 44, 6393-6400.	4.0	203
2	Synthesis of CoPt and FePt3Nanowires Using the Central Channel of Tobacco Mosaic Virus as a Biotemplate. Chemistry of Materials, 2007, 19, 2389-2391.	6.7	126
3	Synthesis of Co3O4Nanoparticles Using the Cage-Shaped Protein, Apoferritin. Bulletin of the Chemical Society of Japan, 2005, 78, 2075-2081.	3.2	86
4	Ferritin as a bionano-particulate emulsifier. Journal of Colloid and Interface Science, 2009, 338, 222-228.	9.4	54
5	Synthesis of stimuliâ€responsive macroazoinitiators and their use as an inistab toward hairy polymer latex particles. Journal of Polymer Science Part A, 2009, 47, 3431-3443.	2.3	37
6	Electrostatic adsorption of ferritin, proteins and nanoparticle conjugate onto the surface of polyelectrolyte multilayers. Journal of Materials Chemistry, 2008, 18, 3876.	6.7	28
7	One-pot imine synthesis from benzylic alcohols and nitrobenzene on CdS-sensitized TiO2 photocatalysts: Effects of the electric nature of the substituent and solvents on the photocatalytic activity. Molecular Catalysis, 2017, 443, 203-208.	2.0	26
8	Catalytic hydrogenation of linoleic acid over platinum-group metals supported on alumina. JAOCS, Journal of the American Oil Chemists' Society, 1997, 74, 525-529.	1.9	23
9	Catalytic hydrogenation of linoleic acid on nickel, copper, and palladium. JAOCS, Journal of the American Oil Chemists' Society, 1996, 73, 1311-1316.	1.9	16
10	Acid/base controllable molecular switch based on a neutral phenanthroline guest penetrated pseudorotaxane. Organic and Biomolecular Chemistry, 2010, 8, 2408.	2.8	16
11	Improvement of Co3O4 Nanoparticle Synthesis in Apoferritin Cavity by Outer Surface PEGylation. Bulletin of the Chemical Society of Japan, 2008, 81, 1669-1674.	3.2	15
12	Chiral Bicyclic Imidazoleâ€Catalyzed Direct Enantioselective Câ€Acylation for the Synthesis of 2â€Oxindoles Bearing a Quaternary Stereocenter. Asian Journal of Organic Chemistry, 2019, 8, 1024-1028.	2.7	13
13	Synthesis and structure of a new type of C2-symmetric chiral crown ether. Tetrahedron Letters, 1998, 39, 9493-9496.	1.4	12
14	Synthesis of C2-symmetric chiral crown ethers by lipase-catalyzed reactions. Tetrahedron, 2011, 67, 9298-9304.	1.9	11
15	Selective Fluorometric Sensing of Calcium Cation by C-Pivot Lariat Monoaza-crown Ether with Two Pyrene Moieties. Chemistry Letters, 2011, 40, 1226-1228.	1.3	10
16	Benzo- and Thieno-Annulated Tetracenes: A One-Pot Synthesis via Cross-Dehydrogenative Annulation. Organic Letters, 2020, 22, 4160-4163.	4.6	9
17	Synthesis and Complexing Ability of a C-Pivot Type of Double-Armed 15-Crown-5 Ethers toward Alkali Metal Cations. Bulletin of the Chemical Society of Japan, 2002, 75, 1765-1770.	3.2	8
18	Reversible Photoinsertion of Ferrocene into a Hydrophobic Semiconductor Surface: A Chemionic Switch. Angewandte Chemie - International Edition, 2002, 41, 3653-3656.	13.8	8

#	Article	IF	Citations
19	Characterization of stable, electroactive protein cage/synthetic polymer multilayer thin films prepared by layer-by-layer assembly. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	7
20	High-performance, air-stable, n-type thermoelectric films from a water-dispersed nickel-ethenetetrathiolate complex and ethylene glycol. Journal of Materials Chemistry A, 2020, 8, 12319-12322.	10.3	7
21	Modulating Polymeric Amphiphiles Using Thermo- and pH-Responsive Copolymers with Cyclodextrin Pendant Groups through Molecular Recognition of the Lipophilic Dye. Macromolecules, 2021, 54, 5229-5240.	4.8	7
22	Effective Coordination of Electron-Donating Sidearms of Double-Armed 15-Crown-5 Ethers toward Alkali Metal Cations. Chemistry Letters, 1999, 28, 283-284.	1.3	4
23	Involvement of Functional Groups on the Surface of Carboxyl Group-Terminated Polyamidoamine Dendrimers Bearing Arbutin in Inhibition of Na+/Glucose Cotransporter 1 (SGLT1)-Mediatedd-Glucose Uptake. Molecular Pharmaceutics, 2012, 9, 922-929.	4.6	4
24	Binary ionic liquid electrolytes for copper indium sulfide quantum dot sensitized-TiO2 solar cell to achieve long-term durability. Journal of Electroanalytical Chemistry, 2019, 851, 113387.	3.8	4
25	Domino Cross-Scholl Reaction of Tetracene with Molecular Benzene: Synthesis, Structure, and Mechanism. Organic Letters, 2021, 23, 7921-7926.	4.6	4
26	Facile Synthesis of C₂-Symmetric Chiral Crown Ethers with Two Reactive Hydroxymethyl Groups. Synthesis, 2007, 2007, 2973-2978.	2.3	3
27	Direct Evidence of Spatially Selective Iron Mineralization Using an Immobilized Ferritin Protein Cage. Journal of Nanoscience and Nanotechnology, 2014, 14, 3193-3201.	0.9	3
28	Formation of a pseudorotaxane, capable of sensing cations via dethreading molecular motion, from a cryptand and bipyridinium salts. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 78, 137-144.	1.6	3
29	Precise control of two-dimensional composition of proteins and nanoparticle conjugate for functional nanostructured material fabrication. Journal of Colloid and Interface Science, 2012, 378, 44-50.	9.4	2
30	Template-Free Synthesis of a Phenanthroline-Containing [2]Rotaxane: A Reversible pH-Controllable Molecular Switch. Symmetry, 2019, 11, 1137.	2.2	2
31	Alkali Metal Cation Recognition at an Air-Water Interface by Lipophilic Double-Armed Crown Ethers. Journal of Japan Oil Chemists' Society, 1997, 46, 931-934,940.	0.3	1
32	Acetylated Cyclodextrins as New Organogelators. Chemistry Letters, 2010, 39, 1206-1208.	1.3	1
33	Propeller-Shaped Aluminum Complexes with an Azaperylene Core in the Ligands. Inorganics, 2019, 7, 109.	2.7	1
34	Supported Liquid Membrane Transport of Alkali Metal Cations by Monoazacryptand with a Partially Fluorinated Sidearm and the Corresponding Monoazacrown Ethers. Journal of Oleo Science, 2010, 59, 369-373.	1.4	1
35	Fabrication of Semiconductor Nano-particles in the Protein Cage of Apoferritin. Materials Research Society Symposia Proceedings, 2005, 873, 1.	0.1	0
36	Dreaming of Building Nano-Architectures from Biosupramolecules. Journal of the Adhesion Society of Japan, 2006, 42, 527-532.	0.0	0

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37	Synthesis and Properties of Stimuli-Responsive Pseudorotaxanes. Oleoscience, 2013, 13, 165-170.	0.0	0