Makoto Miyasaka

List of Publications by Year
in descending order

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40 papers	1,352 citations	430874 18 h-index	345221 36 g-index
45 all docs	45 docs citations	45 times ranked	1195 citing authors

#	Article	IF	Citations
1	Significant fluorescence enhancement of Zn2+ by Schiff base macrocycle. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 425, 113688.	3.9	12
2	A novel Schiff base macrocycle based on 1,1â€²â€binaphthyl for fluorescence recognition. Luminescence, 2021, 36, 1561-1568.	2.9	5
3	Magnetic Circularly Polarized Luminescence in the Photoexcited States of Racemic [n]Helicenes (n=3â€“5,7) in Tetrahydrofuran and Dimethyl Sulfoxide Solutions. ChemPhysChem, 2021, 22, 2058-2062.	2.1	1
4	Switching of opticalâ€resolution selectivity through the Onsager's reaction field: Chiral recognition of dl â€amino acids by hydrophilic/hydrophobic chitosans. Journal of Applied Polymer Science, 2020, 137, 48317.	2.6	0
5	Structural aspects and electronic states of polyuretâ€”construction of robust extended systems with nonbonding flat bands. Polymer Journal, 2020, 52, 1067-1076.	2.7	0
6	Sign Control of Circularly Polarized Luminescence Based on Geometric Arrangement of Fluorescent Pyrene Units in a Binaphthyl Scaffold. Chemistry Letters, 2019, 48, 874-876.	1.3	13
7	Optical activities of steroid ketones - Elucidation of the octant rule. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 200, 298-306.	3.9	0
8	Synthesis of Conjugated Carbonyl Containing Polymer Negative Electrodes for Sodium Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A434-A438.	2.9	14
9	Effects of hydrophilic/hydrophobic surfaces on polymerâ€complexation kinetics. Journal of Applied Polymer Science, 2018, 135, 46493.	2.6	3
10	Quantitative evaluation of rateâ€determining steps in polymer complexation. Journal of Applied Polymer Science, 2017, 134, .	2.6	3
11	Band Gap of Carbonâ€“Sulfur [n]Helicenes. Organic Letters, 2012, 14, 3076-3079.	4.6	36
12	Refractive Index Changes in Polymers Bearing Pendant Active Ester Groups by Thermal Rearrangement Reaction. Chemistry Letters, 2011, 40, 1363-1365.	1.3	6
13	Synthesis of hyperbranched fluorinated polymers with controllable refractive indices. Polymer Journal, 2011, 43, 325-329.	2.7	13
14	Synthesis of polycarbosilanes by A2 + Bn (n = 2, 3, and 4) type hydrosilylation reaction and evaluation of their refractive index properties. Journal of Polymer Science Part A, 2010, 48, 5746-5751.	2.3	12
15	Synthesis and characterization of hyperbranched polymer consisting of silsesquioxane derivatives. Polymer Journal, 2010, 42, 799-803.	2.7	34
16	Synthesis of hyperbranched polycarbonate by novel polymerization of di-tert-butyl tricarbonate with 1,1,1-tris(4-hydroxyphenyl)ethane. Polymer Journal, 2010, 42, 852-859.	2.7	8
17	Spiro Oligothiophenes. Organic Letters, 2010, 12, 3230-3233.	4.6	6
18	Radical Cation of Helical, Cross-Conjugated Î²-Oligothiophene. Journal of the American Chemical Society, 2010, 132, 3246-3247.	13.7	88

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19	Noncovalent Interactions in the Asymmetric Synthesis of Rigid, Conjugated Helical Structures. Angewandte Chemie - International Edition, 2009, 48, 5954-5957.	13.8	57
20	Intramolecular Cyclization of Thiophene-Based [7]Helicenes to Quasi-[8]Circulenes. Journal of Organic Chemistry, 2009, 74, 9105-9111.	3.2	39
21	Functionalized Thiophene-Based [7]Helicene: Chirooptical Properties versus Electron Delocalization. Journal of Organic Chemistry, 2009, 74, 7504-7513.	3.2	59
22	Annelated, Chiral Ï€-Conjugated Systems: Tetraphenylenes and Helical Î²-Oligothiophenes. Synlett, 2007, 2007, 1799-1822.	1.8	91
23	Helically Annelated and Cross-Conjugated Î²-Oligothiophenes:Â A Fourier Transform Raman Spectroscopic and Quantum Chemical Density Functional Theory Study. Journal of Physical Chemistry C, 2007, 111, 4854-4860.	3.1	14
24	Synthesis of Dithieno[2,3-b:3â€˜,2â€˜-d]thiophenesBuilding Blocks for Cross-Conjugated Î²-Oligothiophenes. Journal of Organic Chemistry, 2006, 71, 3264-3266.	3.2	43
25	Cross-Conjugated Oligothiophenes Derived from the (C2S)nHelix:Â Asymmetric Synthesis and Structure of Carbonâ“Sulfur [11]Helicene. Journal of the American Chemical Society, 2005, 127, 13806-13807.	13.7	153
26	Synthesis of Functionalized Carbon-Sulfur [5]Helicene: Pd-Catalyzed Negishi Cross-Coupling Between the Î²-Positions of Thiophenes. Synlett, 2004, 2004, 177-181.	1.8	7
27	Synthesis of Functionalized Carbonâ€”Sulfur [5]Helicene: Pd-Catalyzed Negishi Cross-Coupling Between the Î²-Positions of Thiophenes.. ChemInform, 2004, 35, no.	0.0	1
28	Chiral Molecular Glass: Synthesis and Characterization of Enantiomerically Pure Thiophene-Based [7]Helicene. Chemistry - A European Journal, 2004, 10, 6531-6539.	3.3	60
29	Helically Annelated and Cross-Conjugated Oligothiophenes:Â Asymmetric Synthesis, Resolution, and Characterization of a Carbonâ“Sulfur [7]Helicene. Journal of the American Chemical Society, 2004, 126, 15211-15222.	13.7	167
30	Ladderlike Ferromagnetic Spin Coupling Network on a Ï€-Conjugated Pendant Polyradical. Journal of the American Chemical Society, 2003, 125, 3554-3557.	13.7	79
31	Poly(1,2-phenylenevinylene) Ferromagnetically 3,5-Bearing Phenoxyl Radicals. Macromolecules, 2002, 35, 690-698.	4.8	17
32	Hyperbranched poly(phenylenevinylene) bearing pendant phenoxys for a high-spin alignment. Journal of Materials Chemistry, 2002, 12, 3578-3584.	6.7	26
33	A Nanometer-Sized High-Spin Polyradical:Â Poly(4-phenoxyl-1,2-phenylenevinylene) Planarily Extended in a Non-KekulÃ© Fashion and Its Magnetic Force Microscopic Images. Journal of the American Chemical Society, 2001, 123, 5942-5946.	13.7	72
34	Magnetic and electrical properties of poly(3-radical-substituted thiophene)s. Polyhedron, 2001, 20, 1157-1162.	2.2	24
35	Poly(3-phenylgalvinoxylthiophene). A New Conjugated Polyradical with High Spin Concentration.. Polymer Journal, 2001, 33, 849-856.	2.7	14
36	Regioregular Polythiophene with Pendant Phenoxyl Radicals:Â A New High-Spin Organic Polymer. Macromolecules, 2000, 33, 8211-8217.	4.8	56

#	Article	IF	Citations
37	Average Octet Radical Polymer: A Stable Polyphenoxyl with Star-Shaped Ï€ Conjugation. Angewandte Chemie - International Edition, 1998, 37, 2400-2402.	13.8	58
38	High-Spin Polyphenoxyls Attached to Star-Shaped Poly(phenylenevinylene)s. Journal of Organic Chemistry, 1998, 63, 7399-7407.	3.2	33
39	Synthesis and Characterization of Novel Chiral Conjugated Materials. , 0, , 547-581.		10
40	Extended conjugated carbonyl-containing polymer as a negative electrode material for Na-ion batteries. Polymer Journal, 0, , .	2.7	0