

Makoto Miyasaka

List of Publications by Year in descending order

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430874

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1195
citing authors

#	ARTICLE	IF	CITATIONS
1	Helically Annelated and Cross-Conjugated Oligothiophenes: Asymmetric Synthesis, Resolution, and Characterization of a Carbon-Sulfur [7]Helicene. <i>Journal of the American Chemical Society</i> , 2004, 126, 15211-15222.	13.7	167
2	Cross-Conjugated Oligothiophenes Derived from the (C ₂ S) _n Helix: Asymmetric Synthesis and Structure of Carbon-Sulfur [11]Helicene. <i>Journal of the American Chemical Society</i> , 2005, 127, 13806-13807.	13.7	153
3	Annelated, Chiral π -Conjugated Systems: Tetraphenylenes and Helical π^2 -Oligothiophenes. <i>Synlett</i> , 2007, 2007, 1799-1822.	1.8	91
4	Radical Cation of Helical, Cross-Conjugated π^2 -Oligothiophene. <i>Journal of the American Chemical Society</i> , 2010, 132, 3246-3247.	13.7	88
5	Ladderlike Ferromagnetic Spin Coupling Network on a π -Conjugated Pendant Polyradical. <i>Journal of the American Chemical Society</i> , 2003, 125, 3554-3557.	13.7	79
6	A Nanometer-Sized High-Spin Polyradical: Poly(4-phenoxy-1,2-phenylenevinylene) Planarily Extended in a Non-Kekulé Fashion and Its Magnetic Force Microscopic Images. <i>Journal of the American Chemical Society</i> , 2001, 123, 5942-5946.	13.7	72
7	Chiral Molecular Glass: Synthesis and Characterization of Enantiomerically Pure Thiophene-Based [7]Helicene. <i>Chemistry - A European Journal</i> , 2004, 10, 6531-6539.	3.3	60
8	Functionalized Thiophene-Based [7]Helicene: Chiroptical Properties versus Electron Delocalization. <i>Journal of Organic Chemistry</i> , 2009, 74, 7504-7513.	3.2	59
9	Average Octet Radical Polymer: A Stable Polyphenoxy with Star-Shaped π Conjugation. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2400-2402.	13.8	58
10	Noncovalent Interactions in the Asymmetric Synthesis of Rigid, Conjugated Helical Structures. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5954-5957.	13.8	57
11	Regioregular Polythiophene with Pendant Phenoxy Radicals: A New High-Spin Organic Polymer. <i>Macromolecules</i> , 2000, 33, 8211-8217.	4.8	56
12	Synthesis of Dithieno[2,3-b:3',2'-d]thiophenes Building Blocks for Cross-Conjugated π^2 -Oligothiophenes. <i>Journal of Organic Chemistry</i> , 2006, 71, 3264-3266.	3.2	43
13	Intramolecular Cyclization of Thiophene-Based [7]Helicenes to Quasi-[8]Circulenes. <i>Journal of Organic Chemistry</i> , 2009, 74, 9105-9111.	3.2	39
14	Band Gap of Carbon-Sulfur [n]Helicenes. <i>Organic Letters</i> , 2012, 14, 3076-3079.	4.6	36
15	Synthesis and characterization of hyperbranched polymer consisting of silsesquioxane derivatives. <i>Polymer Journal</i> , 2010, 42, 799-803.	2.7	34
16	High-Spin Polyphenoxy Attached to Star-Shaped Poly(phenylenevinylene)s. <i>Journal of Organic Chemistry</i> , 1998, 63, 7399-7407.	3.2	33
17	Hyperbranched poly(phenylenevinylene) bearing pendant phenoxy for a high-spin alignment. <i>Journal of Materials Chemistry</i> , 2002, 12, 3578-3584.	6.7	26
18	Magnetic and electrical properties of poly(3-radical-substituted thiophene)s. <i>Polyhedron</i> , 2001, 20, 1157-1162.	2.2	24

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19	Poly(1,2-phenylenevinylene) Ferromagnetically 3,5-Bearing Phenoxy Radicals. <i>Macromolecules</i> , 2002, 35, 690-698.	4.8	17
20	Poly(3-phenylgalvinoxylthiophene). A New Conjugated Polyradical with High Spin Concentration.. <i>Polymer Journal</i> , 2001, 33, 849-856.	2.7	14
21	Helically Annelated and Cross-Conjugated \hat{I}^2 -Oligothiophenes: A Fourier Transform Raman Spectroscopic and Quantum Chemical Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4854-4860.	3.1	14
22	Synthesis of Conjugated Carbonyl Containing Polymer Negative Electrodes for Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A434-A438.	2.9	14
23	Synthesis of hyperbranched fluorinated polymers with controllable refractive indices. <i>Polymer Journal</i> , 2011, 43, 325-329.	2.7	13
24	Sign Control of Circularly Polarized Luminescence Based on Geometric Arrangement of Fluorescent Pyrene Units in a Binaphthyl Scaffold. <i>Chemistry Letters</i> , 2019, 48, 874-876.	1.3	13
25	Synthesis of polycarbosilanes by A2 + Bn (n = 2, 3, and 4) type hydrosilylation reaction and evaluation of their refractive index properties. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5746-5751.	2.3	12
26	Significant fluorescence enhancement of Zn ²⁺ by Schiff base macrocycle. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113688.	3.9	12
27	Synthesis and Characterization of Novel Chiral Conjugated Materials. , 0, , 547-581.		10
28	Synthesis of hyperbranched polycarbonate by novel polymerization of di-tert-butyl tricarboxylate with 1,1,1-tris(4-hydroxyphenyl)ethane. <i>Polymer Journal</i> , 2010, 42, 852-859.	2.7	8
29	Synthesis of Functionalized Carbon-Sulfur [5]Helicene: Pd-Catalyzed Negishi Cross-Coupling Between the \hat{I}^2 -Positions of Thiophenes. <i>Synlett</i> , 2004, 2004, 177-181.	1.8	7
30	Spiro Oligothiophenes. <i>Organic Letters</i> , 2010, 12, 3230-3233.	4.6	6
31	Refractive Index Changes in Polymers Bearing Pendant Active Ester Groups by Thermal Rearrangement Reaction. <i>Chemistry Letters</i> , 2011, 40, 1363-1365.	1.3	6
32	A novel Schiff base macrocycle based on 1,1'-binaphthyl for fluorescence recognition. <i>Luminescence</i> , 2021, 36, 1561-1568.	2.9	5
33	Quantitative evaluation of rate-determining steps in polymer complexation. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	3
34	Effects of hydrophilic/hydrophobic surfaces on polymer-complexation kinetics. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46493.	2.6	3
35	Synthesis of Functionalized Carbon-Sulfur [5]Helicene: Pd-Catalyzed Negishi Cross-Coupling Between the \hat{I}^2 -Positions of Thiophenes.. <i>ChemInform</i> , 2004, 35, no.	0.0	1
36	Magnetic Circularly Polarized Luminescence in the Photoexcited States of Racemic [n]Helicenes (n=3-5,7) in Tetrahydrofuran and Dimethyl Sulfoxide Solutions. <i>ChemPhysChem</i> , 2021, 22, 2058-2062.	2.1	1

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37	Optical activities of steroid ketones - Elucidation of the octant rule. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 200, 298-306.	3.9	0
38	Switching of optical resolution selectivity through the Onsager's reaction field: Chiral recognition of dl amino acids by hydrophilic/hydrophobic chitosans. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48317.	2.6	0
39	Structural aspects and electronic states of polyurethane construction of robust extended systems with nonbonding flat bands. <i>Polymer Journal</i> , 2020, 52, 1067-1076.	2.7	0
40	Extended conjugated carbonyl-containing polymer as a negative electrode material for Na-ion batteries. <i>Polymer Journal</i> , 0, , .	2.7	0