

Masahiro Irie

List of Publications by Year in descending order

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papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Visualization of the microstructure and the position-dependent diffusion coefficient in a blended polymer solid using photo-activation localization microscopy combined with single-molecule tracking based on one-color fluorescence-switching of diarylethene. <i>Polymer Chemistry</i> , 2022, 13, 736-740.	1.9	4
2	Turn-on mode fluorescent diarylethene containing neopentyl substituents that undergoes all-visible-light switching. <i>Chemical Communications</i> , 2022, 58, 4715-4718.	2.2	9
3	Stepwise Assembly of Ultrathin Poly(vinyl alcohol) Films on Photoresponsive Diarylethene Crystals. <i>Chemistry Letters</i> , 2021, 50, 84-86.	0.7	11
4	Fluorescence Switchable Conjugated Polymer Microdisk Arrays by Cosolvent Vapor Annealing. <i>Polymers</i> , 2021, 13, 269.	2.0	5
5	Turn-on mode diarylethenes for bioconjugation and fluorescence microscopy of cellular structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	45
6	Photochemically Switchable Interconnected Microcavities for All-Organic Optical Logic Gate. <i>Advanced Functional Materials</i> , 2021, 31, 2103685.	7.8	24
7	Geometrical Evolution and Formation of the Photoproduct in the Cycloreversion Reaction of a Diarylethene Derivative Probed by Vibrational Spectroscopy. <i>ChemPhysChem</i> , 2020, 21, 1485-1485.	1.0	0
8	Ultrahigh-sensitive fluorescence dosimeters that use turn-on mode fluorescent diarylethenes. <i>Tetrahedron Letters</i> , 2020, 61, 152232.	0.7	6
9	Turn-on mode fluorescent diarylethenes: effect of electron-donating and electron-withdrawing substituents on photoswitching performance. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 783-789.	1.6	22
10	Optical microresonator arrays of fluorescence-switchable diarylethenes with unreplicable spectral fingerprints. <i>Materials Horizons</i> , 2020, 7, 1801-1808.	6.4	36
11	Geometrical Evolution and Formation of the Photoproduct in the Cycloreversion Reaction of a Diarylethene Derivative Probed by Vibrational Spectroscopy. <i>ChemPhysChem</i> , 2020, 21, 1524-1530.	1.0	9
12	Multicolour fluorescent "sulfide" sulfone" diarylethenes with high photo-fatigue resistance. <i>Chemical Communications</i> , 2020, 56, 2198-2201.	2.2	16
13	A dominant factor of the cycloreversion reactivity of diarylethene derivatives as revealed by femtosecond time-resolved absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2020, 152, 034301.	1.2	16
14	Turn-on Mode Photoswitchable Fluorescent Diarylethenes for Super-Resolution Fluorescence Microscopy. , 2020, , 563-580.		0
15	An all-photonic full color RGB system based on molecular photoswitches. <i>Nature Communications</i> , 2019, 10, 3996.	5.8	70
16	Reversibly Photoswitchable Fluorescent Diarylethenes Resistant against Photobleaching in Aqueous Solutions. <i>Journal of the American Chemical Society</i> , 2019, 141, 16471-16478.	6.6	75
17	Synthesis, Structures, and Magnetic Properties of Two Coordination Assemblies of Mn(III) Single Molecule Magnets Bridged via Photochromic Diarylethene Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 2307-2314.	1.9	16
18	Thermally reversible photochromism of dipyrrolylenes. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2136-2141.	1.6	18

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19	Asymmetric Diarylethenes with Oxidized 2-Alkylbenzothiophenyl Units: Chemistry, Fluorescence, and Photoswitching. <i>Advanced Optical Materials</i> , 2019, 7, 1801746.	3.6	35
20	A turn-on mode fluorescent diarylethene: Solvatochromism of fluorescence. <i>Dyes and Pigments</i> , 2018, 153, 144-149.	2.0	29
21	Photoswitchable Turn-on Mode Fluorescent Diarylethenes: Strategies for Controlling the Switching Response. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 237-250.	2.0	72
22	Mesoscopic Motion of Optically Trapped Particle Synchronized with Photochromic Reactions of Diarylethene Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2659-2664.	2.1	19
23	A Polymerizable Photoswitchable Fluorophore for Super-Resolution Imaging of Polymer Self-Assembly and Dynamics. <i>ACS Macro Letters</i> , 2018, 7, 1432-1437.	2.3	35
24	One-colour control of activation, excitation and deactivation of a fluorescent diarylethene derivative in super-resolution microscopy. <i>Chemical Communications</i> , 2017, 53, 4066-4069.	2.2	56
25	Fluorescent Photoswitchable Diarylethenes for Biolabeling and Single-Molecule Localization Microscopies with Optical Superresolution. <i>Journal of the American Chemical Society</i> , 2017, 139, 6611-6620.	6.6	177
26	Turn-on mode fluorescent diarylethenes: Control of the cycloreversion quantum yield. <i>Tetrahedron</i> , 2017, 73, 4918-4924.	1.0	28
27	Cycloreversion Reaction of a Diarylethene Derivative at Higher Excited States Attained by Two-Color, Two-Photon Femtosecond Pulsed Excitation. <i>Journal of the American Chemical Society</i> , 2017, 139, 17159-17167.	6.6	30
28	Fluorescence Photoswitching of a Diarylethene by Irradiation with Single-Wavelength Visible Light. <i>Journal of the American Chemical Society</i> , 2017, 139, 16498-16501.	6.6	77
29	Efficient Cycloreversion Reaction of a Diarylethene Derivative in Higher Excited States Attained by Off-Resonant Simultaneous Two-Photon Absorption. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3272-3276.	2.1	25
30	Photoswitchable Fluorescent Diarylethene Derivatives with Thiophene 1,1-Dioxide Groups: Effect of Alkyl Substituents at the Reactive Carbons. <i>Materials</i> , 2017, 10, 1021.	1.3	13
31	Turn-On Mode Fluorescent Diarylethenes. , 2017, , 117-131.		2
32	1D Chains of Lanthanoid Ions and a Dithienylethene Ligand Showing Slow Relaxation of the Magnetization. <i>Magnetochemistry</i> , 2016, 2, 21.	1.0	13
33	Photo-activation of Single Molecule Magnet Behavior in a Manganese-based Complex. <i>Scientific Reports</i> , 2016, 6, 23785.	1.6	37
34	Turn-on mode fluorescence photoswitching of diarylethene single crystals. <i>CrystEngComm</i> , 2016, 18, 7241-7248.	1.3	21
35	Solid-state photochemistry. <i>CrystEngComm</i> , 2016, 18, 7175-7179.	1.3	17
36	Carboxylated Photoswitchable Diarylethenes for Biolabeling and Super-Resolution RESOLFT Microscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15429-15433.	7.2	127

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37	Carboxylierte photoschaltbare Diarylethene als Biomarkierungen für hochauflösende RESOLFT-Mikroskopie. <i>Angewandte Chemie</i> , 2016, 128, 15655-15659.	1.6	22
38	Light-Driven Molecular Crystal Actuators: An Approach to Molecular Machinery. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016, 74, 1217-1224.	0.0	1
39	Photo-control of the magnetic properties of Dy(III) and Ho(III) homometal coordination polymers bridged by a diarylethene ligand. <i>Dalton Transactions</i> , 2015, 44, 5996-6002.	1.6	39
40	Light-driven bending of diarylethene mixed crystals. <i>Chemical Science</i> , 2015, 6, 5746-5752.	3.7	58
41	Discovery and development of photochromic diarylethenes. <i>Pure and Applied Chemistry</i> , 2015, 87, 617-626.	0.9	27
42	Fluorescent Photochromic Diarylethene That Turns on with Visible Light. <i>Organic Letters</i> , 2015, 17, 4802-4805.	2.4	45
43	Photochromism of Diarylethene Molecules and Crystals: Memories, Switches, and Actuators. <i>Chemical Reviews</i> , 2014, 114, 12174-12277.	23.0	2,111
44	Control of the Single-Molecule Magnet Behavior of Lanthanide-Diarylethene Photochromic Assemblies by Irradiation with Light. <i>Chemistry - A European Journal</i> , 2014, 20, 12502-12513.	1.7	78
45	Photochromic Diarylethene Derivatives Bearing Hydrophilic Substituents. <i>Israel Journal of Chemistry</i> , 2013, 53, 303-311.	1.0	14
46	Photochromic Performance of 1-Thiazolyl-2-vinylcyclopentene Derivatives Having a Phenyl- or 4-Methoxyphenyl-Substituted Olefin. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 1059-1064.	2.0	5
47	Crystal Structures and Dielectric Properties of 2-Imidazoline Derivatives Having Intermolecular Hydrogen-bonded Networks. <i>Chemistry Letters</i> , 2012, 41, 525-527.	0.7	1
48	Femtosecond Laser Photolysis Studies on Temperature Dependence of Cyclization and Cycloreversion Reactions of a Photochromic Diarylethene Derivative. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4862-4869.	1.5	64
49	Photoswitchable fluorescent diarylethene derivatives with short alkyl chain substituents. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1661-1665.	1.6	47
50	Cyclization Reaction Dynamics of a Photochromic Diarylethene Derivative as Revealed by Femtosecond to Microsecond Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4265-4272.	1.5	78
51	In Situ Preparation of Highly Fluorescent Dyes upon Photoirradiation. <i>Journal of the American Chemical Society</i> , 2011, 133, 13558-13564.	6.6	213
52	Copper(II)-terbium(III) Single-Molecule Magnets linked by photochromic ligands. <i>Dalton Transactions</i> , 2011, 40, 2275.	1.6	79
53	Single-Molecule Fluorescence Photoswitching of a Diarylethene-Perylenebisimide Dyad: Non-destructive Fluorescence Readout. <i>Journal of the American Chemical Society</i> , 2011, 133, 4984-4990.	6.6	276
54	Photochromism of diarylethene molecules and crystals. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2010, 86, 472-483.	1.6	96

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55	Photochromism of diarylethene single molecules and single crystals. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1535-1542.	1.6	106
56	Photochromic diarylethene molecules and crystals. <i>Pure and Applied Chemistry</i> , 2009, 81, 1655-1665.	0.9	29
57	Coordination Assemblies of [Mn ₄] Single-Molecule Magnets Linked by Photochromic Ligands: Photochemical Control of the Magnetic Properties. <i>Journal of the American Chemical Society</i> , 2009, 131, 9823-9835.	6.6	166
58	The photochromic and self-assembling properties of diarylethenes having chiral amphiphilic chains at the reactive carbon atoms. <i>New Journal of Chemistry</i> , 2009, 33, 1332.	1.4	8
59	Ultrafast laser spectroscopic study on photochromic cycloreversion dynamics in fulgide derivatives: one-photon and multiphoton-gated reactions. <i>New Journal of Chemistry</i> , 2009, 33, 1409.	1.4	32
60	Photo-induced reversible topographical changes of photochromic dithienylethene microcrystalline surfaces. <i>New Journal of Chemistry</i> , 2009, 33, 1324.	1.4	19
61	Temperature-Light Dual Control of Clouding Behavior of an Oligo(ethylene glycol)-Diarylethene Hybrid System. <i>Advanced Materials</i> , 2008, 20, 2137-2141.	11.1	67
62	Photochromic Reaction Control by Laser-induced Multiphoton Absorption Process in Fulgide derivatives. , 2007, , .		0
63	Photochromism of Diarylethene Single Molecules in Polymer Matrices. <i>Journal of the American Chemical Society</i> , 2007, 129, 5932-5938.	6.6	157
64	A fluorescent photochromic compound for labeling biomolecules. <i>Chemical Communications</i> , 2007, , 5206.	2.2	71
65	Photochromism of 1,2-Bis(3- <i>n</i> -alkyl-1-benzothiophen-2-yl)perfluorocyclopentene Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 474, 111-118.	0.4	9
66	Synthesis of thienyl-containing photochromes (dithienylethenes, fulgides, fulgimides, and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	0.4	18
67	Multiphoton-gated photochromic reaction of diarylethene derivatives in PMMA solid film. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 953-959.	0.9	17
68	Single-crystalline photochromism of diarylethene dimers bridged by a spiro structure. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 960-967.	0.9	26
69	Photochromism of dithiazolylenes having pyridyl and N-methylpyridinium groups. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 894-899.	0.9	6
70	Substituent effect of diarylethenes on IR spectra for application of non-destructive readout of photochromic recording. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 998-1006.	0.9	18
71	Rapid and reversible shape changes of molecular crystals on photoirradiation. <i>Nature</i> , 2007, 446, 778-781.	13.7	1,106
72	Single-molecule Optical Memory Based on Photochromic Materials. <i>The Review of Laser Engineering</i> , 2007, 35, 205-206.	0.0	0

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73	Photochromic and fluorescent properties of bisfurylene derivatives. <i>Journal of Materials Chemistry</i> , 2006, 16, 4690.	6.7	30
74	Photochromic Reactions of Diarylethenes in Single Crystals with Intermolecular O-H...N Hydrogen-Bonding Networks. <i>Chemistry - A European Journal</i> , 2006, 12, 4275-4282.	1.7	84
75	Photochromism of 1,2-Bis(2-alkyl-1-benzofuran-3-yl)perfluorocyclopentene Derivatives. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3105-3111.	1.2	20
76	Photochromism of Dithienylethenes Containing Fluorinated Thiophene Rings. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 91-97.	1.2	55
77	Photochemically Stable Novel Yellow Developing Photochromic Compounds Having a Thiazole Group. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 467-471.	0.4	5
78	Synthesis of a Fluorescent Diarylene Derivative for a Single Molecule Logic Gate. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 555-558.	0.4	3
79	Crystal Engineering of Photochromic Diarylene Derivatives by Aryl-perfluoroaryl Interaction. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 529-534.	0.4	4
80	Multi-States Photochromic Recording and Nondestructive Readout Using IR Light. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 430, 31-36.	0.4	5
81	Nanolayered Structures in Photochromic Crystal of 1,2-Bis(2-methyl-5-p-methoxyphenyl-3-thienyl)perfluorocyclopentene. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 523-527.	0.4	4
82	Photochromism of Diarylene Zinc Complexes. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 429-432.	0.4	1
83	Photochromic Reactions of the Oxidation Polymer Film of a Diarylene Derivative. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 315-320.	0.4	1
84	Development of Photochromic Two-Photon Absorption Dyes. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 430, 173-179.	0.4	9
85	Picosecond laser photolysis studies on a photochromic oxidation polymer film consisting of diarylene molecules. <i>Journal of Materials Chemistry</i> , 2005, 15, 2128.	6.7	27
86	Photochromism of Diarylene Single Crystals and Single Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 430, 1-7.	0.4	4
87	Synthesis of New Photochromic Diarylenes Having 2,5-Bis(trimethylsilylethynyl)-3-Thienyl Unit. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 430, 75-79.	0.4	2
88	The Radiation-Induced Coloration of Dithienylene Amorphous Films. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 441-444.	0.4	1
89	Control of Cycloreversion Quantum Yields of Diarylenes by Introduction of Substituents at the Reactive Carbons. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 451-454.	0.4	17
90	Digital Photoswitching of Fluorescence Based on the Photochromism of Diarylene Derivatives at a Single-Molecule Level. <i>Journal of the American Chemical Society</i> , 2004, 126, 14843-14849.	6.6	424

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91	Refractive Index Changes of Amorphous Diarylethenes Containing 2,4-Diphenylphenyl Substituents. <i>Chemistry of Materials</i> , 2003, 15, 4539-4543.	3.2	92
92	Photochromism. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2003, 99, 277-313.	4.4	102
93	Synthesis and Photochromism of Diarylethenes with Isopropyl Groups at the Reactive Carbons and Long π -Conjugated Heteroaryl Groups. <i>Chemistry Letters</i> , 2003, 32, 1078-1079.	0.7	57
94	An ab Initio MO Study of the Photochromic Reaction of Dithienylethenes. <i>Journal of Physical Chemistry A</i> , 2002, 106, 7222-7227.	1.1	117
95	Solvent Viscosity Effects on Photochromic Reactions of a Diarylethene Derivative As Revealed by Picosecond Laser Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8096-8102.	1.1	60
96	Diheteroarylethenes as Thermally Stable Photoswitchable Acceptors in Photochromic Fluorescence Resonance Energy Transfer (pcFRET). <i>Journal of the American Chemical Society</i> , 2002, 124, 7481-7489.	6.6	384
97	Single-crystalline photochromism of diarylethenes: reactivity-structure relationship. <i>Chemical Communications</i> , 2002, , 2804-2805.	2.2	325
98	Photochromism of Dithiazolylethenes Having Methoxy Groups at the Reaction Centers. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 3796-3800.	1.2	48
99	A digital fluorescent molecular photoswitch. <i>Nature</i> , 2002, 420, 759-760.	13.7	1,098
100	Frontiers in Crystal Chemistry: Prediction of Structures and Properties. Part 2. Solid-State Properties and Reactions Predicted from Crystal Structures. Photochromism in a Crystalline Phase.. <i>Nihon Kessho Gakkaishi</i> , 2002, 44, 61-64.	0.0	0
101	Photoswitching of Intramolecular Magnetic Interaction Using Diarylethene with Oligothiophene π -Conjugated Chain. <i>Journal of Organic Chemistry</i> , 2001, 66, 8799-8803.	1.7	84
102	Synthesis and Photoisomerization of Dithienylethene-Bridged Diporphyrins. <i>Journal of Organic Chemistry</i> , 2001, 66, 3913-3923.	1.7	179
103	Synthesis of Fluorescent Diarylethenes Having a 2,4,5-Triphenylimidazole Chromophore. <i>Journal of Organic Chemistry</i> , 2001, 66, 5419-5423.	1.7	171
104	A photoresponsive laser dye containing photochromic dithienylethene units. <i>Chemical Communications</i> , 2001, , 711-712.	2.2	195
105	Single-crystalline photochromism of a linear coordination polymer composed of 1,2-bis[2-methyl-5-(4-pyridyl)-3-thienyl]perfluorocyclopentene and bis(hexafluoroacetylacetonato)zinc(ii). <i>Chemical Communications</i> , 2001, , 363-364.	2.2	75
106	Three-dimensional erasable optical memory using a photochromic diarylethene single crystal as the recording medium. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2001, 77, 30-35.	1.6	67
107	Asymmetric Cyclization Reaction of Diarylethene Derivatives. <i>Journal of the Japan Society of Colour Material</i> , 2001, 74, 8-14.	0.0	0
108	Synthesis of Fluorescent Amorphous Diarylethenes. <i>Chemistry Letters</i> , 2001, 30, 702-703.	0.7	32

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109	Two-photon Absorption in Photochromic Layer with Highly Localized Coherent Photons. <i>Optical Review</i> , 2001, 8, 206-207.	1.2	1
110	Aggregation and Photodimerization of Areno-Condensed Annulenes. <i>Helvetica Chimica Acta</i> , 2001, 84, 2467.	1.0	9
111	Fatigue Mechanism of Photochromic 1,2-Bis(2,5-dimethyl-3-thienyl)perfluorocyclopentene. <i>Bulletin of the Chemical Society of Japan</i> , 2000, 73, 2389-2394.	2.0	81
112	Photochromism of Diarylethenes Having Isopropyl Groups at the Reactive Carbons. Thermal Cycloreversion of the Closed-Ring Isomers. <i>Chemistry Letters</i> , 2000, 29, 1340-1341.	0.7	38
113	Photochromism of a Diarylethene Having a Chiral Substituent in the Crystalline Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 344, 307-312.	0.3	3
114	Photochromism of Diarylethenes in Single-Crystalline Phases. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 344, 185-190.	0.3	6
115	Photochromic Reaction and Fluorescence of Dithienylethenes in Solid States. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 345, 45-50.	0.3	3
116	Photochromism of Diarylethene Diammonium Derivative in the Cyclodextrin Cavity. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 345, 107-112.	0.3	7
117	Phase Transition of a Liquid Crystal Induced by Chiral Photochromic Dopants. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 345, 287-292.	0.3	21
118	Photoswitching of Magnetic Properties by using Diarylethene Photochromic Spin Coupler. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 345, 155-160.	0.3	5
119	Photochromism of 1,2-Bis(2-methyl-5-phenyl-3-thienyl)perfluorocyclopentene in a Single-Crystalline Phase. <i>Journal of the American Chemical Society</i> , 2000, 122, 4871-4876.	6.6	481
120	Photoswitching of Helical Twisting Power of a Chiral Diarylethene Dopant: Pitch Change in a Chiral Nematic Liquid Crystal. <i>Chemistry of Materials</i> , 2000, 12, 869-871.	3.2	103
121	Photochromism of dithienylethene-bis(trimethylammonium) iodide in cyclodextrin cavities. <i>Perkin Transactions II RSC</i> , 2000, , 619-622.	1.1	24
122	Photochromic Reactions of Diarylethenes with Isopropyl Groups. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 345, 9-14.	0.3	4
123	X-ray Crystallographic Study on Single-Crystalline Photochromism of Bis(2,5-dimethyl-3-thienyl)perfluorocyclopentene. <i>Journal of the American Chemical Society</i> , 2000, 122, 1589-1592.	6.6	165
124	Synthesis and Photochromism of Amorphous Diarylethene Having Styryl Substituents. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 345, 251-255.	0.3	17
125	Photoswitching of Intramolecular Magnetic Interaction Using a Photochromic Spin Coupler: An ESR Study. <i>Journal of the American Chemical Society</i> , 2000, 122, 8309-8310.	6.6	117
126	A Diarylethene with Two Nitronyl Nitroxides: Photoswitching of Intramolecular Magnetic Interaction. <i>Journal of the American Chemical Society</i> , 2000, 122, 7195-7201.	6.6	265

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127	Diarylethenes for Memories and Switches. <i>Chemical Reviews</i> , 2000, 100, 1685-1716.	23.0	3,921
128	Fatigue resistant properties of photochromic dithienylethenes: by-product formation. <i>Chemical Communications</i> , 1999, , 747-750.	2.2	203
129	Photochromism of 1,2-Bis(2,5-dimethyl-3-thienyl)perfluoro- cyclopentene in a Single Crystalline Phase. <i>Journal of the American Chemical Society</i> , 1999, 121, 2380-2386.	6.6	222
130	Photochromism of 1,2-Bis(2-methyl-6-nitro-1-benzothiophen-3-yl)perfluorocyclopentene in a Single-Crystalline Phase: Dichroism of the Closed-Ring Form Isomer. <i>Journal of the American Chemical Society</i> , 1999, 121, 8450-8456.	6.6	160
131	Thermally Reversible Photochromic Systems. Photochromism of a Dipyrrolylperfluorocyclopentene. <i>Chemistry Letters</i> , 1999, 28, 835-836.	0.7	82
132	Spot Shape on Super-Resolution Optical Disks with a Photon-Mode Mask Layer. <i>Optical Review</i> , 1998, 5, 158-162.	1.2	1
133	Synthesis and Properties of Photochromic Diarylethenes with Heterocyclic Aryl Groups. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 985-996.	2.0	412
134	Photochromism of Single Crystalline Diaruthenes. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 297, 81-84.	0.3	12
135	Fatigue-Resistance Property of Diarylethene LB Films in Repeating Photochromic Reaction. <i>Langmuir</i> , 1997, 13, 5504-5506.	1.6	22
136	Asymmetric Photocyclization of Diarylethene Derivatives. <i>Journal of the American Chemical Society</i> , 1997, 119, 6066-6071.	6.6	176
137	Theoretical Analysis of Super-Resolution Optical Disk Mastering Using a Photoreactive Dye Mask Layer. <i>Optical Review</i> , 1997, 4, 385-389.	1.2	10
138	Analysis of Signal-to-Noise Ratio in Photochromic Super-Resolution Readout. <i>Optical Review</i> , 1997, 4, 655-659.	1.2	5
139	Synthesis of silsesquioxanes having photochromic diarylethene pendant groups. <i>Macromolecular Rapid Communications</i> , 1997, 18, 625-633.	2.0	21
140	Laser Reviews. Ultrahigh Density Optical Recording by the Use of Scanning Near-Field Optical Microscope.. <i>The Review of Laser Engineering</i> , 1996, 24, 1045-1050.	0.0	3
141	Photochromism of dinaphthylethene derivatives. Stability of the closed-ring forms. <i>Research on Chemical Intermediates</i> , 1995, 21, 861-876.	1.3	57
142	Thermally irreversible photochromic systems. Reversible photocyclization of 1,2-bis (2-methylbenzo[b]thiophen-3-yl)perfluorocycloalkene derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 206.	2.0	306
143	Thermally irreversible photochromic systems. A theoretical study. <i>Journal of Organic Chemistry</i> , 1988, 53, 6136-6138.	1.7	308
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