Masahiro Irie

List of Publications by Year
in descending order

146	18,127	31902 53	12233 133
papers	citations	h-index	g-index

184	184	184	8186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diarylethenes for Memories and Switches. Chemical Reviews, 2000, 100, 1685-1716.	23.0	3,921
2	Photochromism of Diarylethene Molecules and Crystals: Memories, Switches, and Actuators. Chemical Reviews, 2014, 114, 12174-12277.	23.0	2,111
3	Rapid and reversible shape changes of molecular crystals on photoirradiation. Nature, 2007, 446, 778-781.	13.7	1,106
4	A digital fluorescent molecular photoswitch. Nature, 2002, 420, 759-760.	13.7	1,098
5	Thermally irreversible photochromic systems. Reversible photocyclization of diarylethene derivatives. Journal of Organic Chemistry, 1988, 53, 803-808.	1.7	708
6	Photochromism of 1,2-Bis(2-methyl-5-phenyl-3-thienyl)perfluorocyclopentene in a Single-Crystalline Phase. Journal of the American Chemical Society, 2000, 122, 4871-4876.	6.6	481
7	Digital Photoswitching of Fluorescence Based on the Photochromism of Diarylethene Derivatives at a Single-Molecule Level. Journal of the American Chemical Society, 2004, 126, 14843-14849.	6.6	424
8	Synthesis and Properties of Photochromic Diarylethenes with Heterocyclic Aryl Groups. Bulletin of the Chemical Society of Japan, 1998, 71, 985-996.	2.0	412
9	Diheteroarylethenes as Thermally Stable Photoswitchable Acceptors in Photochromic Fluorescence Resonance Energy Transfer (pcFRET). Journal of the American Chemical Society, 2002, 124, 7481-7489.	6.6	384
10	Single-crystalline photochromism of diarylethenes: reactivityâ€“structure relationship. Chemical Communications, 2002, , 2804-2805.	2.2	325
11	Thermally irreversible photochromic systems. A theoretical study. Journal of Organic Chemistry, 1988, 53, 6136-6138.	1.7	308
12	Thermally irreversible photochromic systems. Reversible photocyclization of 1,2-bis (2-methylbenzo[b]thiophen-3-yl)perfluorocyclocoalkene derivatives. Journal of the Chemical Society Chemical Communications, 1992, , 206.	2.0	306
13	Single-Molecule Fluorescence Photoswitching of a Diaryletheneâ'Perylenebisimide Dyad: Non-destructive Fluorescence Readout. Journal of the American Chemical Society, 2011, 133, 4984-4990.	6.6	276
14	A Diarylethene with Two Nitronyl Nitroxides:Â Photoswitching of Intramolecular Magnetic Interaction. Journal of the American Chemical Society, 2000, 122, 7195-7201.	6.6	265
15	Photochromism of 1,2-Bis(2,5-dimethyl-3-thienyl)perfluoro- cyclopentene in a Single Crystalline Phase. Journal of the American Chemical Society, 1999, 121, 2380-2386.	6.6	222
16	In Situ Preparation of Highly Fluorescent Dyes upon Photoirradiation. Journal of the American Chemical Society, 2011, 133, 13558-13564.	6.6	213
17	Fatigue resistant properties of photochromic dithienylethenes: by-product formation. Chemical Communications, 1999, , 747-750.	2.2	203
18	A photoresponsive laser dye containing photochromic dithienylethene units. Chemical Communications, 2001, , 711-712.	2.2	195

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19	Synthesis and Photoisomerization of Dithienylethene-Bridged Diporphyrins. Journal of Organic Chemistry, 2001, 66, 3913-3923.	1.7	179
20	Fluorescent Photoswitchable Diarylethenes for Biolabeling and Single-Molecule Localization Microscopies with Optical Superresolution. Journal of the American Chemical Society, 2017, 139, 6611-6620.	6.6	177
21	Asymmetric Photocyclization of Diarylethene Derivatives. Journal of the American Chemical Society, 1997, 119, 6066-6071.	6.6	176
22	Synthesis of Fluorescent Diarylethenes Having a 2,4,5-Triphenylimidazole Chromophore. Journal of Organic Chemistry, 2001, 66, 5419-5423.	1.7	171
23	Coordination Assemblies of [Mn₄] Single-Molecule Magnets Linked by Photochromic Ligands: Photochemical Control of the Magnetic Properties. Journal of the American Chemical Society, 2009, 131, 9823-9835.	6.6	166
24	X-ray Crystallographic Study on Single-Crystalline Photochromism of Bis(2,5-dimethyl-3-thienyl)perfluorocyclopentene. Journal of the American Chemical Society, 2000, 122, 1589-1592.	6.6	165
25	Photochromism of 1,2-Bis(2-methyl-6-nitro-1-benzothiophen-3-yl)perfluorocyclopentene in a Single-Crystalline Phase:Â Dichroism of the Closed-Ring Form Isomer. Journal of the American Chemical Society, 1999, 121, 8450-8456.	6.6	160
26	Photochromism of Diarylethene Single Molecules in Polymer Matrices. Journal of the American Chemical Society, 2007, 129, 5932-5938.	6.6	157
27	Carboxylated Photoswitchable Diarylethenes for Biolabeling and Superâ€Resolution RESOLFT Microscopy. Angewandte Chemie - International Edition, 2016, 55, 15429-15433.	7.2	127
28	Photoswitching of Intramolecular Magnetic Interaction Using a Photochromic Spin Coupler:Â An ESR Study. Journal of the American Chemical Society, 2000, 122, 8309-8310.	6.6	117
29	An ab Initio MO Study of the Photochromic Reaction of Dithienylethenes. Journal of Physical Chemistry A, 2002, 106, 7222-7227.	1.1	117
30	Photochromism of diarylethene single molecules and single crystals. Photochemical and Photobiological Sciences, 2010, 9, 1535-1542.	1.6	106
31	Photoswitching of Helical Twisting Power of a Chiral Diarylethene Dopant:â€‰ Pitch Change in a Chiral Nematic Liquid Crystal. Chemistry of Materials, 2000, 12, 869-871.	3.2	103
32	8â€ƒâ€ƒPhotochromism. Annual Reports on the Progress of Chemistry Section C, 2003, 99, 277-313.	4.4	102
33	Photochromism of diarylethene molecules and crystals. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2010, 86, 472-483.	1.6	96
34	Refractive Index Changes of Amorphous Diarylethenes Containing 2,4-Diphenylphenyl Substituents. Chemistry of Materials, 2003, 15, 4539-4543.	3.2	92
35	Photoswitching of Intramolecular Magnetic Interaction Using Diarylethene with Oligothiophene Ï€-Conjugated Chain. Journal of Organic Chemistry, 2001, 66, 8799-8803.	1.7	84
36	Photochromic Reactions of Diarylethenes in Single Crystals with Intermolecular Oï£¿Hâ‹…â‹…â‹…N Hydrogen-Bonding Networks. Chemistry - A European Journal, 2006, 12, 4275-4282.	1.7	84

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37	Thermally Reversible Photochromic Systems. Photochromism of a Dipyrrolylperfluorocyclopentene. Chemistry Letters, 1999, 28, 835-836.	0.7	82
38	Fatigue Mechanism of Photochromic 1,2-Bis(2,5-dimethyl-3-thienyl)perfluorocyclopentene. Bulletin of the Chemical Society of Japan, 2000, 73, 2389-2394.	2.0	81
39	Copper(ii)-terbium(iii) Single-Molecule Magnets linked by photochromic ligands. Dalton Transactions, 2011, 40, 2275.	1.6	79
40	Cyclization Reaction Dynamics of a Photochromic Diarylethene Derivative as Revealed by Femtosecond to Microsecond Time-Resolved Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 4265-4272.	1.5	78
41	Control of the Singleâ€Molecule Magnet Behavior of Lanthanideâ€Diarylethene Photochromic Assemblies by Irradiation with Light. Chemistry - A European Journal, 2014, 20, 12502-12513.	1.7	78
42	Fluorescence Photoswitching of a Diarylethene by Irradiation with Single-Wavelength Visible Light. Journal of the American Chemical Society, 2017, 139, 16498-16501.	6.6	77
43	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). Chemical Communications, 2001, , 363-364.	2.2	75
44	Reversibly Photoswitchable Fluorescent Diarylethenes Resistant against Photobleaching in Aqueous Solutions. Journal of the American Chemical Society, 2019, 141, 16471-16478.	6.6	75
45	Photoswitchable Turn-on Mode Fluorescent Diarylethenes: Strategies for Controlling the Switching Response. Bulletin of the Chemical Society of Japan, 2018, 91, 237-250.	2.0	72
46	A fluorescent photochromic compound for labeling biomolecules. Chemical Communications, 2007, , 5206.	2.2	71
47	An all-photonic full color RGB system based on molecular photoswitches. Nature Communications, 2019, 10, 3996.	5.8	70
48	Three-dimensional erasable optical memory using a photochromic diarylethene single crystal as the recording medium. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2001, 77, 30-35.	1.6	67
49	Temperatureâ€Light Dual Control of Clouding Behavior of an Oligo(ethylene glycol)â€Diarylethene Hybrid System. Advanced Materials, 2008, 20, 2137-2141.	11.1	67
50	Femtosecond Laser Photolysis Studies on Temperature Dependence of Cyclization and Cycloreversion Reactions of a Photochromic Diarylethene Derivative. Journal of Physical Chemistry C, 2012, 116, 4862-4869.	1.5	64
51	Solvent Viscosity Effects on Photochromic Reactions of a Diarylethene Derivative As Revealed by Picosecond Laser Spectroscopy. Journal of Physical Chemistry A, 2002, 106, 8096-8102.	1.1	60
52	Light-driven bending of diarylethene mixed crystals. Chemical Science, 2015, 6, 5746-5752.	3.7	58
53	Photochromism of dinaphthylethene derivatives. Stability of the closed-ring forms. Research on Chemical Intermediates, 1995, 21, 861-876.	1.3	57
54	Synthesis and Photochromism of Diarylethenes with Isopropyl Groups at the Reactive Carbons and Long Ï€-Conjugated Heteroaryl Groups. Chemistry Letters, 2003, 32, 1078-1079.	0.7	57

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55	One-colour control of activation, excitation and deactivation of a fluorescent diarylethene derivative in super-resolution microscopy. Chemical Communications, 2017, 53, 4066-4069.	2.2	56
56	Photochromism of Dithienylethenes Containing Fluorinated Thiophene Rings. European Journal of Organic Chemistry, 2005, 2005, 91-97.	1.2	55
57	Photochromism of Dithiazolylethenes Having Methoxy Groups at the Reaction Centers. European Journal of Organic Chemistry, 2002, 2002, 3796-3800.	1.2	48
58	Photoswitchable fluorescent diarylethene derivatives with short alkyl chain substituents. Photochemical and Photobiological Sciences, 2012, 11, 1661-1665.	1.6	47
59	Fluorescent Photochromic Diarylethene That Turns on with Visible Light. Organic Letters, 2015, 17, 4802-4805.	2.4	45
60	Turn-on mode diarylethenes for bioconjugation and fluorescence microscopy of cellular structures. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	45
61	Photo-control of the magnetic properties of Dy(<scp>iii</scp>) and Ho(<scp>iii</scp>) homometal coordination polymers bridged by a diarylethene ligand. Dalton Transactions, 2015, 44, 5996-6002.	1.6	39
62	Photochromism of Diarylethenes Having Isopropyl Groups at the Reactive Carbons. Thermal Cycloreversion of the Closed-Ring Isomers. Chemistry Letters, 2000, 29, 1340-1341.	0.7	38
63	Photo-activation of Single Molecule Magnet Behavior in a Manganese-based Complex. Scientific Reports, 2016, 6, 23785.	1.6	37
64	Optical microresonator arrays of fluorescence-switchable diarylethenes with unreplicable spectral fingerprints. Materials Horizons, 2020, 7, 1801-1808.	6.4	36
65	A Polymerizable Photoswitchable Fluorophore for Super-Resolution Imaging of Polymer Self-Assembly and Dynamics. ACS Macro Letters, 2018, 7, 1432-1437.	2.3	35
66	Asymmetric Diarylethenes with Oxidized 2â€Alkylbenzothiophenâ€3â€yl Units: Chemistry, Fluorescence, and Photoswitching. Advanced Optical Materials, 2019, 7, 1801746.	3.6	35
67	Synthesis of Fluorescent Amorphous Diarylethenes. Chemistry Letters, 2001, 30, 702-703.	0.7	32
68	Ultrafast laser spectroscopic study on photochromic cycloreversion dynamics in fulgide derivatives: one-photon and multiphoton-gated reactions. New Journal of Chemistry, 2009, 33, 1409.	1.4	32
69	Photochromic and fluorescent properties of bisfurylethene derivatives. Journal of Materials Chemistry, 2006, 16, 4690.	6.7	30
70	Cycloreversion Reaction of a Diarylethene Derivative at Higher Excited States Attained by Two-Color, Two-Photon Femtosecond Pulsed Excitation. Journal of the American Chemical Society, 2017, 139, 17159-17167.	6.6	30
71	Photochromic diarylethene molecules and crystals. Pure and Applied Chemistry, 2009, 81, 1655-1665.	0.9	29
72	A turn-on mode fluorescent diarylethene: Solvatochromism of fluorescence. Dyes and Pigments, 2018, 153, 144-149.	2.0	29

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73	Turn-on mode fluorescent diarylethenes: Control of the cycloreversion quantum yield. Tetrahedron, 2017, 73, 4918-4924.	1.0	28
74	Picosecond laser photolysis studies on a photochromic oxidation polymer film consisting of diarylethene molecules. Journal of Materials Chemistry, 2005, 15, 2128.	6.7	27
75	Discovery and development of photochromic diarylethenes. Pure and Applied Chemistry, 2015, 87, 617-626.	0.9	27
76	Single-crystalline photochromism of diarylethene dimers bridged by a spiro structure. Journal of Physical Organic Chemistry, 2007, 20, 960-967.	0.9	26
77	Efficient Cycloreversion Reaction of a Diarylethene Derivative in Higher Excited States Attained by Off-Resonant Simultaneous Two-Photon Absorption. Journal of Physical Chemistry Letters, 2017, 8, 3272-3276.	2.1	25
78	Photochromism of dithienylethene-bis(trimethylammonium) iodide in cyclodextrin cavities. Perkin Transactions II RSC, 2000, , 619-622.	1.1	24
79	Photochemically Switchable Interconnected Microcavities for Allâ€Organic Optical Logic Gate. Advanced Functional Materials, 2021, 31, 2103685.	7.8	24
80	Fatigue-Resistance Property of Diarylethene LB Films in Repeating Photochromic Reaction. Langmuir, 1997, 13, 5504-5506.	1.6	22
81	Carboxylierte photoschaltbare Diarylethene als Biomarkierungen fÃ¼r hochauflÃ¶sende RESOLFTâ€Mikroskopie. Angewandte Chemie, 2016, 128, 15655-15659.	1.6	22
82	Turn-on mode fluorescent diarylethenes: effect of electron-donating and electron-withdrawing substituents on photoswitching performance. Photochemical and Photobiological Sciences, 2020, 19, 783-789.	1.6	22
83	Synthesis of silsesquioxanes having photochromic diarylethene pendant groups. Macromolecular Rapid Communications, 1997, 18, 625-633.	2.0	21
84	Phase Transition of a Liquid Crystal Induced by Chiral Photochromic Dopants. Molecular Crystals and Liquid Crystals, 2000, 345, 287-292.	0.3	21
85	Turn-on mode fluorescence photoswitching of diarylethene single crystals. CrystEngComm, 2016, 18, 7241-7248.	1.3	21
86	Photochromism of 1,2-Bis(2-alkyl-1-benzofuran-3-yl)perfluorocyclopentene Derivatives. European Journal of Organic Chemistry, 2006, 2006, 3105-3111.	1.2	20
87	Photo-induced reversible topographical changes of photochromic dithienylethene microcrystalline surfaces. New Journal of Chemistry, 2009, 33, 1324.	1.4	19
88	Mesoscopic Motion of Optically Trapped Particle Synchronized with Photochromic Reactions of Diarylethene Derivatives. Journal of Physical Chemistry Letters, 2018, 9, 2659-2664.	2.1	19
89	Synthesis of thienylâ€containing photochromes (dithienylethenes, fulgides, fulgimides, and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.4	18
90	Substituent effect of diarylethenes on IR spectra for application of nonâ€destructive readout of photochromic recording. Journal of Physical Organic Chemistry, 2007, 20, 998-1006.	0.9	18

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91	Thermally reversible photochromism of dipyrrolylethenes. Photochemical and Photobiological Sciences, 2019, 18, 2136-2141.	1.6	18
92	Synthesis and Photochromism of Amorphous Diarylethene Having Styryl Substituents. Molecular Crystals and Liquid Crystals, 2000, 345, 251-255.	0.3	17
93	Control of Cycloreversion Quantum Yields of Diarylethenes by Introduction of Substituents at the Reactive Carbons. Molecular Crystals and Liquid Crystals, 2005, 431, 451-454.	0.4	17
94	Multiphotonâ€gated photochromic reaction of diarylethene derivatives in PMMA solid film. Journal of Physical Organic Chemistry, 2007, 20, 953-959.	0.9	17
95	Solid-state photochemistry. CrystEngComm, 2016, 18, 7175-7179.	1.3	17
96	Synthesis, Structures, and Magnetic Properties of Two Coordination Assemblies of Mn(III) Single Molecule Magnets Bridged via Photochromic Diarylethene Ligands. Inorganic Chemistry, 2019, 58, 2307-2314.	1.9	16
97	Multicolour fluorescent â€œsulfideâ€“sulfoneâ€•diarylethenes with high photo-fatigue resistance. Chemical Communications, 2020, 56, 2198-2201.	2.2	16
98	A dominant factor of the cycloreversion reactivity of diarylethene derivatives as revealed by femtosecond time-resolved absorption spectroscopy. Journal of Chemical Physics, 2020, 152, 034301.	1.2	16
99	Photochromic Diarylethene Derivatives Bearing Hydrophilic Substituents. Israel Journal of Chemistry, 2013, 53, 303-311.	1.0	14
100	1D Chains of Lanthanoid Ions and a Dithienylethene Ligand Showing Slow Relaxation of the Magnetization. Magnetochemistry, 2016, 2, 21.	1.0	13
101	Photoswitchable Fluorescent Diarylethene Derivatives with Thiophene 1,1-Dioxide Groups: Effect of Alkyl Substituents at the Reactive Carbons. Materials, 2017, 10, 1021.	1.3	13
102	Photochromism of Single Crystalline Diaruthenes. Molecular Crystals and Liquid Crystals, 1997, 297, 81-84.	0.3	12
103	Stepwise Assembly of Ultrathin Poly(vinyl alcohol) Films on Photoresponsive Diarylethene Crystals. Chemistry Letters, 2021, 50, 84-86.	0.7	11
104	Theoretical Analysis of Super-Resolution Optical Disk Mastering Using a Photoreactive Dye Mask Layer. Optical Review, 1997, 4, 385-389.	1.2	10
105	Aggregation and Photodimerization of Areno-Condensed Annulenes. Helvetica Chimica Acta, 2001, 84, 2467.	1.0	9
106	Development of Photochromic Two-Photon Absorption Dyes. Molecular Crystals and Liquid Crystals, 2005, 430, 173-179.	0.4	9
107	Photochromism of 1,2-Bis(3-n-alkyl-1-benzothiophen-2-yl)perfluorocyclopentene Derivatives. Molecular Crystals and Liquid Crystals, 2007, 474, 111-118.	0.4	9
108	Geometrical Evolution and Formation of the Photoproduct in the Cycloreversion Reaction of a Diarylethene Derivative Probed by Vibrational Spectroscopy. ChemPhysChem, 2020, 21, 1524-1530.	1.0	9

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109	Turn-on mode fluorescent diarylethene containing neopentyl substituents that undergoes all-visible-light switching. Chemical Communications, 2022, 58, 4715-4718.	2.2	9
110	The photochromic and self-assembling properties of diarylethenes having chiral amphiphilic chains at the reactive carbon atoms. New Journal of Chemistry, 2009, 33, 1332.	1.4	8
111	Photochromism of Diarylethene Diammonium Derivative in the Cyclodextrin Cavity. Molecular Crystals and Liquid Crystals, 2000, 345, 107-112.	0.3	7
112	Photochromism of Diarylethenes in Single-Crystalline Phases. Molecular Crystals and Liquid Crystals, 2000, 344, 185-190.	0.3	6
113	Photochromism of dithiazolylethenes having pyridyl andN-methylpyridinium groups. Journal of Physical Organic Chemistry, 2007, 20, 894-899.	0.9	6
114	Ultrahigh-sensitive fluorescence dosimeters that use turn-on mode fluorescent diarylethenes. Tetrahedron Letters, 2020, 61, 152232.	0.7	6
115	Analysis of Signal-to-Noise Ratio in Photochromic Super-Resolution Readout. Optical Review, 1997, 4, 655-659.	1.2	5
116	Photoswitching of Magnetic Properties by using Diarylethene Photochromic Spin Coupler. Molecular Crystals and Liquid Crystals, 2000, 345, 155-160.	0.3	5
117	Photochemically Stable Novel Yellow Developing Photochromic Compounds Having a Thiazole Group. Molecular Crystals and Liquid Crystals, 2005, 431, 467-471.	0.4	5
118	Multi-States Photochromic Recording and Nondestructive Readout Using IR Light. Molecular Crystals and Liquid Crystals, 2005, 430, 31-36.	0.4	5
119	Photochromic Performance of 1-Thiazolyl-2-vinylcyclopentene Derivatives Having a Phenyl- or 4-Methoxyphenyl-Substituted Olefin. Bulletin of the Chemical Society of Japan, 2013, 86, 1059-1064.	2.0	5
120	Fluorescence Switchable Conjugated Polymer Microdisk Arrays by Cosolvent Vapor Annealing. Polymers, 2021, 13, 269.	2.0	5
121	Photochromic Reactions of Diarylethenes with Isopropyl Groups. Molecular Crystals and Liquid Crystals, 2000, 345, 9-14.	0.3	4
122	Crystal Engineering of Photochromic Diarylethene Derivatives by Aryl-perfluoroaryl Interaction. Molecular Crystals and Liquid Crystals, 2005, 431, 529-534.	0.4	4
123	Nanolayered Structures in Photochromic Crystal of 1,2-Bis(2-methyl-5-p-methoxyphenyl-3-thienyl)perfluorocyclopentene. Molecular Crystals and Liquid Crystals, 2005, 431, 523-527.	0.4	4
124	Photochromism of Diarylethene Single Crystals and Single Molecules. Molecular Crystals and Liquid Crystals, 2005, 430, 1-7.	0.4	4
125	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. Polymer Chemistry, 2022, 13, 736-740.	1.9	4
126	Photochromism of a Diarylethene Having a Chiral Substituent in the Crystalline Phase. Molecular Crystals and Liquid Crystals, 2000, 344, 307-312.	0.3	3

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127	Photochromic Reaction and Fluorescence of Dithienylethenes in Solid States. Molecular Crystals and Liquid Crystals, 2000, 345, 45-50.	0.3	3
128	Synthesis of a Fluorescent Diarylethene Derivative for a Single Molecule Logic Gate. Molecular Crystals and Liquid Crystals, 2005, 431, 555-558.	0.4	3
129	Laser Reviews. Ultrahigh Density Optical Recording by the Use of Scanning Near-Field Optical Microscope.. The Review of Laser Engineering, 1996, 24, 1045-1050.	0.0	3
130	Synthesis of New Photochromic Diarylethenes Having 2,5-Bis(trimethylsilylethynyl)-3-Thienyl Unit. Molecular Crystals and Liquid Crystals, 2005, 430, 75-79.	0.4	2
131	Photochromic Bulk Materials. , 0, , 281-360.		2
132	Turn-On Mode Fluorescent Diarylethenes. , 2017, , 117-131.		2
133	Spot Shape on Super-Resolution Optical Disks with a Photon-Mode Mask Layer. Optical Review, 1998, 5, 158-162.	1.2	1
134	Two-photon Absorption in Photochromic Layer with Highly Localized Coherent Photons. Optical Review, 2001, 8, 206-207.	1.2	1
135	Photochromism of Diarylethene Zinc Complexes. Molecular Crystals and Liquid Crystals, 2005, 431, 429-432.	0.4	1
136	Photochromic Reactions of the Oxidation Polymer Film of a Diarylethene Derivative. Molecular Crystals and Liquid Crystals, 2005, 431, 315-320.	0.4	1
137	The Radiation-Induced Coloration of Dithienylethene Amorphous Films. Molecular Crystals and Liquid Crystals, 2005, 431, 441-444.	0.4	1
138	Crystal Structures and Dielectric Properties of 2-Imidazoline Derivatives Having Intermolecular Hydrogen-bonded Networks. Chemistry Letters, 2012, 41, 525-527.	0.7	1
139	Light-Driven Molecular Crystal Actuators: An Approach to Molecular Machinery. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2016, 74, 1217-1224.	0.0	1
140	Photoluminescence of CdSe Quantum Dots: Shifting, Enhancement and Blinking. , 0, , 293-314.		1
141	Asymmetric Cyclization Reaction of Diarylethene Derivatives. Journal of the Japan Society of Colour Material, 2001, 74, 8-14.	0.0	0
142	Photochromic Reaction Control by Laser-induced Multiphoton Absorption Process in Fulgide derivatives. , 2007, , .		0
143	Geometrical Evolution and Formation of the Photoproduct in the Cycloreversion Reaction of a Diarylethene Derivative Probed by Vibrational Spectroscopy. ChemPhysChem, 2020, 21, 1485-1485.	1.0	0
144	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.. Nihon Kessho Gakkaishi, 2002, 44, 61-64.	0.0	0

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145	Single-molecule Optical Memory Based on Photochromic Materials. The Review of Laser Engineering, 2007, 35, 205-206.	0.0	0
146	Turn-on Mode Photoswitchable Fluorescent Diarylethenes for Super-Resolution Fluorescence Microscopy. , 2020, , 563-580.		0