Kenji Matsuda

List of Publications by Year
in descending order

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207	10,187	36203	38300
papers	citations	51 h-index	95 g-index

226	226	226	6977
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photochromism of Diarylethene Molecules and Crystals: Memories, Switches, and Actuators. Chemical Reviews, 2014, 114, 12174-12277.	23.0	2,111
2	Diarylethene as a photoswitching unit. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2004, 5, 169-182.	5.6	592
3	Novel Pd(II)- and Pt(II)-Catalyzed Regio- and Stereoselectivetrans-Hydroarylation of Alkynes by Simple Arenes. Journal of the American Chemical Society, 2000, 122, 7252-7263.	6.6	328
4	Full-Color Photochromism of a Fused Dithienylethene Trimer. Journal of the American Chemical Society, 2005, 127, 8922-8923.	6.6	267
5	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
6	Electrochemical Cyclization/Cycloreversion Reactions of Diarylethenes. Organic Letters, 2005, 7, 3315-3318.	2.4	177
7	New Photoswitching Unit for Magnetic Interaction:Â Diarylethene with 2,5-Bis(arylethynyl)-3-thienyl Group. Journal of the American Chemical Society, 2005, 127, 13344-13353.	6.6	152
8	Self-assembly of metalâ€“organic polyhedra into supramolecular polymers with intrinsic microporosity. Nature Communications, 2018, 9, 2506.	5.8	152
9	Hexa-peri-hexabenzo[7]helicene: Homogeneously Ï€-Extended Helicene as a Primary Substructure of Helically Twisted Chiral Graphenes. Journal of the American Chemical Society, 2018, 140, 4317-4326.	6.6	151
10	Reversible Diastereoselective Photocyclization of a Diarylethene in a Single-Crystalline Phase. Journal of the American Chemical Society, 2000, 122, 9631-9637.	6.6	138
11	Design, Synthesis, and Characterization of Three Kinds of .pi.-Cross-Conjugated Hexacarbenes with High-Spin (S = 6) Ground States. Journal of the American Chemical Society, 1995, 117, 5550-5560.	6.6	136
12	Photoswitching of Intramolecular Magnetic Interaction Using a Diarylethene Dimer. Journal of the American Chemical Society, 2001, 123, 9896-9897.	6.6	134
13	Photochromism of Diarylethenes with Two Nitronyl Nitroxides: Photoswitching of an Intramolecular Magnetic Interaction. Chemistry - A European Journal, 2001, 7, 3466.	1.7	134
14	Molecular Design Strategy toward Diarylethenes That Photoswitch with Visible Light. Journal of the American Chemical Society, 2014, 136, 17145-17154.	6.6	133
15	Self-Assembly of Photochromic Diarylethenes with Amphiphilic Side Chains:Â Reversible Thermal and Photochemical Control. Journal of Organic Chemistry, 2006, 71, 7499-7508.	1.7	121
16	Photochromic Reaction of a Fused Dithienylethene: Multicolor Photochromism. Angewandte Chemie - International Edition, 2003, 42, 3537-3540.	7.2	119
17	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
18	Conductance Photoswitching of Diarylethenеâ˜Gold Nanoparticle Network Induced by Photochromic Reaction. Journal of Physical Chemistry C, 2008, 112, 17005-17010.	1.5	117

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19	Tuning Transition Electric and Magnetic Dipole Moments: [7]Helicenes Showing Intense Circularly Polarized Luminescence. Journal of Physical Chemistry Letters, 2021, 12, 686-695.	2.1	107
20	Bimetallic Assemblies [Ni(L)2]3[Fe(CN)6]X2(L = Ethylenediamine, Trimethylenediamine; X = PF6-, ClO4-) with a Three-Dimensional Network Extended through FeIIâˆ'CNâˆ'NiIILinkages. Inorganic Chemistry, 1998, 37, 842-848.	1.9	106
21	Absolute Asymmetric Photocyclization of a Photochromic Diarylethene Derivative in Single Crystals. Angewandte Chemie - International Edition, 2003, 42, 1636-1639.	7.2	99
22	Control of the Photoreactivity of Diarylethene Derivatives by Quaternarization of the Pyridylethynyl Group. Organic Letters, 2008, 10, 2051-2054.	2.4	94
23	Helical Pitch ofm-Phenylene Ethynylene Foldamers by Double Spin Labeling. Journal of the American Chemical Society, 2002, 124, 11836-11837.	6.6	88
24	Recent Development of 6Ï€-Electrocyclic Photochromic Systems. Chemistry Letters, 2006, 35, 1204-1209.	0.7	88
25	Photoswitching of conductance of diarylethene-Au nanoparticle network. Chemical Communications, 2007, , 1355.	2.2	88
26	Synthesis of a Helical Analogue of Kekulene: A Flexible Ï€-Expanded Helicene with Large Helical Diameter Acting as a Soft Molecular Spring. Journal of the American Chemical Society, 2018, 140, 15461-15469.	6.6	87
27	Formation of Ferromagnetic Chains by Photolysis of 1:1 Complexes of Bis(hexafluoroacetylacetonato)copper(II) with Diazodi-4-pyridylmethane. Journal of the American Chemical Society, 1997, 119, 8246-8252.	6.6	86
28	Photoswitching of Intramolecular Magnetic Interaction Using Diarylethene with Oligothiophene Ï€-Conjugated Chain. Journal of Organic Chemistry, 2001, 66, 8799-8803.	1.7	84
29	Photochromism of Metal Complexes Composed of Diarylethene Ligands and Zn(II), Mn(II), and Cu(II) Hexafluoroacetylacetonates. Inorganic Chemistry, 2004, 43, 482-489.	1.9	82
30	Photoinduced Macroscopic Morphological Transformation of an Amphiphilic Diarylethene Assembly: Reversible Dynamic Motion. Journal of the American Chemical Society, 2015, 137, 2722-2729.	6.6	82
31	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
32	pKa Switching Induced by the Change in the Ï€-Conjugated System Based on Photochromism. Chemistry - A European Journal, 2006, 12, 4283-4288.	1.7	81
33	Optically and Electrically Driven Organic Thin Film Transistors with Diarylethene Photochromic Channel Layers. ACS Applied Materials & Interfaces, 2013, 5, 3625-3630.	4.0	78
34	Antiferromagnetic Exchange Interaction among the Three Spins Placed in an Isosceles Triangular Configuration in 2,4-Dimethoxy-1,3,5-benzenetriyltris(N-tert-butyl nitroxide). Journal of the American Chemical Society, 1996, 118, 9347-9351.	6.6	77
35	Photoswitching of the Magnetic Interaction between a Copper(II) Ion and a Nitroxide Radical by Using a Photochromic Spin Coupler. Chemistry - A European Journal, 2003, 9, 5605-5609.	1.7	76
36	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

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37	Theoretical investigation on photochromic diarylethene: A short review. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 200, 10-18.	2.0	72
38	Circularly Polarized Luminescence Designed from Molecular Orbitals: A Figure-Eight-Shaped [5]Helicene Dimer with D₂ Symmetry. Organic Letters, 2020, 22, 9276-9281.	2.4	69
39	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
40	Reversed Photoswitching of Intramolecular Magnetic Interaction Using A Photochromic Bis(2-thienyl)ethene Spin Coupler. Journal of Physical Chemistry B, 2002, 106, 11218-11225.	1.2	64
41	Reversible Photoinduced Change in Molecular Ordering of Diarylethene Derivatives at a Solutionâ^'HOPG Interface. Journal of the American Chemical Society, 2008, 130, 9371-9379.	6.6	64
42	Syntheses and Magnetic Properties of Stable Organic Triradicals with Quartet Ground States Consisting of Different Nitroxide Radicals. Journal of the American Chemical Society, 1998, 120, 7168-7173.	6.6	63
43	Synthesis of An Azobenzene Derivative Bearing Two Stable Nitronyl Nitroxide Radicals as Substituents and Its Magnetic Properties. Bulletin of the Chemical Society of Japan, 1998, 71, 2937-2943.	2.0	63
44	Fatigue Mechanism of Photochromic 1,2-Bis(3-thienyl)perfluorocyclopentene. Chemistry Letters, 2000, 29, 1358-1359.	0.7	58
45	Effect of Imino Nitroxyl and Nitronyl Nitroxyl Groups on the Photochromic Reactivity of Diarylethenes. Organic Letters, 2005, 7, 3777-3780.	2.4	58
46	Design and Synthesis of a â€œStarburstâ€â€Type Nonadiazo Compound and Magnetic Characterization of Its Photoproduct. Chemistry - A European Journal, 1996, 2, 259-264.	1.7	56
47	Photoswitching of Intramolecular Magnetic Interaction: A Diarylethene Photochromic Spin Coupler. Chemistry Letters, 2000, 29, 16-17.	0.7	55
48	Photochromism of Dithienylethenes Containing Fluorinated Thiophene Rings. European Journal of Organic Chemistry, 2005, 2005, 91-97.	1.2	55
49	Toward Dendritic Two-Dimensional Polycarbenes: Syntheses of â€˜Starburstâ€™-Type Nona- and Dodecadiazo Compounds and Magnetic Study of Their Photoproducts. Bulletin of the Chemical Society of Japan, 1996, 69, 1483-1494.	2.0	54
50	Tris[p-(N-oxyl-N-tert-butylamino)phenyl]amine, -methyl, and -borane Have Doublet, Triplet, and Doublet Ground States, Respectively. Journal of the American Chemical Society, 2000, 122, 2567-2576.	6.6	53
51	Diastereoselective Cyclization in Chiral Diarylethene Crystals:â€‰ Polymorphism and Selectivity. Organic Letters, 2003, 5, 1769-1772.	2.4	52
52	Excited-State Behavior of a Fluorescent and Photochromic Diarylethene on Silver Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 3853-3862.	1.5	49
53	Photochromism for optically functionalized organic field-effect transistors: a comprehensive review. Journal of Materials Chemistry C, 2020, 8, 10956-10974.	2.7	48
54	Photochromism of Diarylethenes Linked by Hydrogen Bonds in the Single-Crystalline Phase. Chemistry - A European Journal, 2003, 9, 4878-4886.	1.7	47

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55	Phototriggered formation and disappearance of surface-confined self-assembly composed of photochromic 2-thienyl-type diarylethene: a cooperative model at the liquid/solid interface. Chemical Communications, 2014, 50, 5964-5966.	2.2	47
56	Control over the Emission Properties of [5]Helicenes Based on the Symmetry and Energy Levels of Their Molecular Orbitals. Organic Letters, 2017, 19, 1776-1779.	2.4	47
57	Very High Cyclization Quantum Yields of Diarylethene Having TwoN-Methylpyridinium Ions. Chemistry Letters, 2003, 32, 1178-1179.	0.7	46
58	Photochromism of Diarylethene-capped Gold Nanoparticles. Chemistry Letters, 2004, 33, 456-457.	0.7	43
59	Facile Photochemical Synthesis of 5,10-Disubstituted [5]Helicenes by Removing Molecular Orbital Degeneracy. Organic Letters, 2014, 16, 2502-2505.	2.4	41
60	Photochromism of diarylethenes having nitronyl nitroxides. Tetrahedron Letters, 2000, 41, 2577-2580.	0.7	40
61	Photochromic reactivity of a dithienylethene dimer. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 152, 141-146.	2.0	40
62	Brominated isoindolines: precursors to functionalised nitroxides. Journal of the Chemical Society Perkin Transactions II, 1999, , 65-72.	0.9	39
63	Selfâ€Assembly and Aggregateâ€Induced Enhanced Emission of Amphiphilic Fluorescence Dyes in Water and in the Solid State. Chemistry - an Asian Journal, 2011, 6, 1057-1063.	1.7	38
64	Synthesis and Photophysical Properties of a 13,13â€²-Bibenzo[b]perylenyl Derivative as a Ï€-Extended 1,1â€²-Binaphthyl Analog. Organic Letters, 2016, 18, 2118-2121.	2.4	38
65	Laser Patterning of Optically Reconfigurable Transistor Channels in a Photochromic Diarylethene Layer. Nano Letters, 2016, 16, 7474-7480.	4.5	38
66	Diastereoselective cyclization of a diarylethene having a chiral N -phenylethylamide substituent in crystals. Tetrahedron Letters, 2001, 42, 7291-7293.	0.7	37
67	A Spin-Frustrated System Composed of Organic Radicals and Magnetic Metal Ions. Angewandte Chemie - International Edition, 1998, 37, 810-812.	7.2	35
68	Characterization of Cationic Diarylethene by Electron Spin Resonance and Absorption SpectraRatio of Open/Closed-Ring Isomers. Journal of Physical Chemistry A, 2006, 110, 8137-8143.	1.1	35
69	Self-assembly of amphiphilic fluorescent dyes showing aggregate-induced enhanced emission: temperature dependence of molecular alignment and intermolecular interaction in aqueous environment. Chemical Communications, 2009, , 5832.	2.2	35
70	Singlet and Triplet States Are Degenerate in 2,3-Dimethylenecyclohexane-1,4-diyl. Journal of the American Chemical Society, 1997, 119, 7412-7413.	6.6	34
71	Photochromism of Metal Complexes Composed of Diarylethene Ligands and ZnCl2. Inorganic Chemistry, 2004, 43, 3774-3776.	1.9	34
72	Photochromism of Diarylethenes on Gold and Silver Nanoparticles. Bulletin of the Chemical Society of Japan, 2006, 79, 1413-1419.	2.0	34

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73	Theoretical Investigation of the Î² Value of the Ï€-Conjugated Molecular Wires by Evaluating Exchange Interaction between Organic Radicals. Journal of Physical Chemistry C, 2013, 117, 26280-26286.	1.5	34
74	Fluorescence Enhancement of Covalently Linked 1â€Cyanoâ€1,2â€diphenylethene Chromophores with Naphthaleneâ€1,8â€diyl Linker Units: Analysis Based on Kinetic Constants. Chemistry - A European Journal, 2015, 21, 1637-1644.	1.7	34
75	Evaluation of the Î² Value of the Phenylene Ethynylene Unit by Probing the Exchange Interaction between Two Nitronyl Nitroxides. Journal of Organic Chemistry, 2013, 78, 9282-9290.	1.7	32
76	A Triphenylamine Derivative with Threep-(N-tert-Butyl-N-oxylamino)phenyl Radical Units and Yet a Doublet Ground State. Angewandte Chemie - International Edition, 1999, 38, 1791-1793.	7.2	31
77	HOMOâ€“LUMO Energy-Gap Tuning of Ï€-Conjugated Zwitterions Composed of Electron-Donating Anion and Electron-Accepting Cation. Journal of Organic Chemistry, 2021, 86, 770-781.	1.7	31
78	One-dimensional chains consisting of copper(II) ions and an orthogonal anthracene-pyrimidine derivative: hierarchical formation of high-dimensional networks and their magnetic properties. New Journal of Chemistry, 2000, 24, 609-613.	1.4	30
79	Fabrication of Robust Spatially Resolved Photochromic Patterns on Cellulose Papers by Covalent Printing for Anticounterfeiting Applications. ACS Applied Polymer Materials, 2019, 1, 1240-1250.	2.0	30
80	Selfâ€Assembly of Photochromic Diarylethenes with Amphiphilic Side Chains: Coreâ€Chain Ratio Dependence on Supramolecular Structures. Chemistry - an Asian Journal, 2009, 4, 58-66.	1.7	29
81	Evaluation of the Î² Value of the Phenylene Unit by Probing Exchange Interaction between Two Nitroxides. Organic Letters, 2010, 12, 5284-5286.	2.4	29
82	Formation of Two-dimensionally Ordered Diarylethene Annulated Isomer at the Liquid/HOPG Interface upon In Situ UV Irradiation. Chemistry Letters, 2013, 42, 1537-1539.	0.7	28
83	Photoresponsive supramolecular self-assemblies at the liquid/solid interface. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2018, 34, 29-40.	5.6	27
84	Diarylethene Selfâ€Assembled Monolayers: Cocrystallization and Mixingâ€Induced Cooperativity Highlighted by Scanning Tunneling Microscopy at the Liquid/Solid Interface. Chemistry - A European Journal, 2015, 21, 11350-11358.	1.7	26
85	Photoinduced Four-State Three-Step Ordering Transformation of Photochromic Terthiophene at a Liquid/Solid Interface Based on Two Principles: Photochromism and Polymorphism. Langmuir, 2015, 31, 6404-6414.	1.6	26
86	Effects of Alkyl Chain Length and Hydrogen Bonds on the Cooperative Selfâ€Assembly of 2â€Thienylâ€Type Diarylethenes at a Liquid/Highly Oriented Pyrolytic Graphite (HOPG) Interface. Chemistry - A European Journal, 2015, 21, 13569-13576.	1.7	25
87	Doubly linked chiral phenanthrene oligomers for homogeneously Ï€-extended helicenes with large effective conjugation length. Nature Communications, 2022, 13, 1475.	5.8	24
88	Photoswitching of Intramolecular Magnetic Interaction Using Diarylethene Photochromic Spin Couplers. Bulletin of the Chemical Society of Japan, 2005, 78, 383-392.	2.0	23
89	Crystal Structures and Magnetic Properties ofm-Phenylenebis(imidazole) Derivatives Having Two Nitronyl Nitroxide or Iminyl Nitroxide Radicals. The Two Kinds of Antiferromagnetic Interaction Alternating along One-Dimensional Chains. Journal of Organic Chemistry, 1997, 62, 8854-8861.	1.7	22
90	Demonstration of the degeneracy of the singlet and triplet states in 2,3-dimethylenecyclohexane-1,4-diyl by measurement of its magnetic propertiesâ€Šâ€. Journal of the Chemical Society Perkin Transactions II, 1998, , 1023-1026.	0.9	22

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91	Theoretical investigation of the Î² value of the phenylene and phenylene ethynylene units by evaluating exchange interaction between organic radicals. Chemical Physics Letters, 2013, 555, 187-190.	1.2	22
92	Interface engineering for improving optical switching in a diarylethene-channel transistor. Organic Electronics, 2015, 21, 149-154.	1.4	22
93	Rational Design of Highly Photoresponsive Surface-Confined Self-Assembly of Diarylethenes: Reversible Three-State Photoswitching at the Liquid/Solid Interface. Journal of Physical Chemistry C, 2016, 120, 9317-9325.	1.5	22
94	A photoresponsive single electron transistor prepared from oligothiophene molecules and gold nanoparticles in a nanogap electrode. Applied Physics Letters, 2010, 96, 103117.	1.5	21
95	Inorganicâ€“Organic Hybrid Photomechanical Crystals Consisting of Diarylethenes and Cage Siloxanes. Chemistry of Materials, 2019, 31, 9372-9378.	3.2	21
96	Logical Design of Small HOMOâ€“LUMO Gap: Tetrabenzo[f,jk,mn,r][7]helicene as a Small-Molecule Near-Infrared Emitter. Organic Letters, 2022, 24, 648-652.	2.4	21
97	Synthesis and EPR characterisation of triphenylmethane derivatives carrying N-tert-butyl nitroxide radical moieties: use of the diradical as a ligand for a complex with Mn II (hfac)2. Journal of the Chemical Society Perkin Transactions II, 1996, , 907.	0.9	20
98	Absolute Asymmetric Photocyclization of a Photochromic Diarylethene Derivative in Single Crystals. Angewandte Chemie, 2003, 115, 1674-1677.	1.6	19
99	Effective photoswitching of intramolecular magnetic interaction by diarylethene: Backgrounds and applications. Polyhedron, 2005, 24, 2477-2483.	1.0	19
100	Photoswitching of chiral supramolecular environments and photoinduced lower critical solution temperature transitions in aqueous media following a supramolecular approach. Organic and Biomolecular Chemistry, 2013, 11, 873.	1.5	19
101	Synthesis, Structure, and Magnetic Properties of a Cyclic Dimer of Bis(hexafluoroacetylacetonato){1,3-bis(N-tert-butyl-N-oxylamino)-5-tert-butylbenzene}manganese(II). Inorganic Chemistry, 1998, 37, 2083-2085.	1.9	18
102	Photoswitching of Intramolecular Magnetic Interaction Using Photochromic Diarylethene Spin Coupler: Introduction of Thiophene Spacer. Chemistry Letters, 2001, 30, 436-437.	0.7	18
103	Photoswitching of Conductance of Diarylethieneâ€“Gold Nanoparticle Network Based on the Alteration of Ï€-Conjugation. Journal of Physical Chemistry Letters, 2016, 7, 2113-2118.	2.1	18
104	Fluorescence behavior of 2,6,10-trisubstituted 4,8,12-triazatriangulene cations in solution and in the solid state. CrystEngComm, 2016, 18, 7377-7383.	1.3	18
105	Exploratory and Mechanistic Studies of the Trimerization Reaction of Benzoylacetylenes in the Presence of a Secondary Amine. Chemistry Letters, 1994, 23, 1765-1768.	0.7	17
106	Photoswitching of magnetic interaction: diarylethene photochromic spin couplers. Polyhedron, 2001, 20, 1391-1395.	1.0	17
107	Synthesis of a new diarylethene diradical which has extended Ï€-conjugated chains from the 2,5-position of one thiophene ring. Polyhedron, 2005, 24, 2484-2490.	1.0	17
108	Radical Cation Ï€â€Dimers of Conjugated Oligomers as Molecular Wires: An Analysis Based on Nitronyl Nitroxide Spin Labels. Chemistry - A European Journal, 2018, 24, 11717-11728.	1.7	17

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109	Bridge-Mediated Excitation Energy Transfer Pathways through Protein Media: a Slater Determinant-Based Electronic Coupling Calculation Combined with Localized Molecular Orbitals. Journal of Physical Chemistry A, 2011, 115, 10814-10822.	1.1	16
110	Control of the â€œSuperexchangeâ€•Interaction through Diphenyl Sulfide 4,4â€˜-Diyl Magnetic Coupler by Changing the Oxidation State and Conformation of the Sulfur Atom. Journal of the American Chemical Society, 1997, 119, 8058-8064.	6.6	15
111	Exchange Coupling Parameters and Energy Levels for Cyclic Metal-Radical Complexes of Bis(hexafluoroacetylacetonato)manganese(II) with 5-tert-Butyl-1,3-phenylenebis(N-tert-butylaminoxyl) and (4-N-tert-Butyl-N-oxyamino)pyridine. European Journal of Inorganic Chemistry, 2000, 2000, 211-216.	1.0	15
112	The Ground Spin States of Tris[p-(N-oxyl-N-tert-butylamino)phenyl] amine, -Methyl, and -Borane. Prospects of Further Studies. Journal of Solid State Chemistry, 2001, 159, 428-439.	1.4	15
113	Ï€-Conjugation of Two Nitronyl Nitroxides-Attached Diarylethenes. Journal of Physical Chemistry B, 2011, 115, 5685-5692.	1.2	15
114	Fluorescence behavior of 5,10-disubstituted [5]helicene derivatives in solution and the effect of self-assembly on their radiative and non-radiative rate constants. Journal of Materials Chemistry C, 2016, 4, 2811-2819.	2.7	15
115	Discrimination between Conglomerates and Pseudoracemates Using Surface Coverage Plots in 2D Selfâ€Assemblies at the Liquidâ€“Graphite Interface. Angewandte Chemie - International Edition, 2017, 56, 2371-2375.	7.2	15
116	Phototransformative Supramolecular Assembly of Amphiphilic Diarylethenes Realized by a Combination of Photochromism and Lower Critical Solution Temperature Behavior. Chemistry - A European Journal, 2017, 23, 15059-15066.	1.7	15
117	Direct Observation of Cation Radicals of a Diarylethene during Oxidative Ring-opening Reaction. Chemistry Letters, 2006, 35, 900-901.	0.7	14
118	Photo- and Electrochromic Switching of Diaryletheneâ€“Gold Nanoparticle Network on Interdigitated Electrodes. Chemistry Letters, 2009, 38, 946-947.	0.7	14
119	Ambipolar carrier transport in an optically controllable diarylethene thin film transistor. Organic Electronics, 2019, 64, 205-208.	1.4	14
120	Diastereoselection in Crystalline State Photochromism of a Diarylethene Having a Chiral Substituent. Chemistry Letters, 1999, 28, 1003-1004.	0.7	13
121	Photochromic Reaction of a Fused Dithienylethene: Multicolor Photochromism. Angewandte Chemie, 2003, 115, 3661-3664.	1.6	13
122	Solvent-Responsive Structural Colored Balloons. Langmuir, 2012, 28, 5432-5437.	1.6	13
123	Photoisomerization-Induced Manipulation of Single-Electron Tunneling for Novel Si-Based Optical Memory. ACS Applied Materials & Interfaces, 2013, 5, 11371-11376.	4.0	13
124	Photoresponses in Gold Nanoparticle Single-Electron Transistors with Molecular Floating Gates. Japanese Journal of Applied Physics, 2013, 52, 110102.	0.8	13
125	Theoretical Investigation on the Decaying Behavior of Exchange Interaction in Quinoid and Aromatic Molecular Wires. Journal of Physical Chemistry C, 2015, 119, 5117-5121.	1.5	13
126	Photochromic Oligothiophenes. Chemistry Letters, 2005, 34, 1580-1581.	0.7	12

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127	Percolation-type Photoswitching Behavior in Conductance of Diaryletheneâ€“Silver Nanoparticle Networks. Chemistry Letters, 2008, 37, 634-635.	0.7	12
128	Chemical-intuition based LMO transformation simplifies excited-state wave functions of peptides. Chemical Physics Letters, 2011, 508, 171-176.	1.2	12
129	Photoinduced conductance switching in a dye-doped gold nanoparticle transistor. Applied Physics Letters, 2012, 101, .	1.5	12
130	The Effect of Cyano Substitution on the Fluorescence Behavior of 1,2â€Bis(pyridylphenyl)ethene. Asian Journal of Organic Chemistry, 2014, 3, 686-690.	1.3	12
131	Investigation on the Surfaceâ€Confined Selfâ€Assembly Stabilized by Hydrogen Bonds of Urea and Amide Groups: Quantitative Analysis of Concentration Dependence of Surface Coverage. Chemistry - an Asian Journal, 2015, 10, 1926-1931.	1.7	12
132	Bundle formation of supramolecular fibers of amphiphilic diarylethene by depletion force. Chemical Communications, 2018, 54, 4298-4301.	2.2	12
133	Single-crystal weak ferromagnetism of 1,3,5-triphenyl-6-oxoverdazyl free radical and ferromagnetic behavior of (TOV)1-x (TOV-H)x diluted system. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 789-791.	1.0	11
134	Formation of Nitrile Ylide by Addition of Carbene with Acetonitrile in a Low-Temperature Argon Matrix. Journal of Physical Chemistry A, 1999, 103, 8187-8192.	1.1	11
135	Comparison of molecular conductance between planar and twisted 4-phenylpyridines by means of two-dimensional phase separation of tetraphenylporphyrin templates at a liquidâ€“HOPG interface. Chemical Communications, 2011, 47, 8427.	2.2	11
136	Photochemical Cleavage of the Axial Group Attached to the Central Carbon Atom of Triazatriangulene. Chemistry Letters, 2015, 44, 76-78.	0.7	11
137	Donor-Acceptor Type [5]Helicene Derivative with Strong Circularly Polarized Luminescence. Chemistry Letters, 2021, 50, 804-807.	0.7	11
138	Design and synthesis of diphenyldiazomethanes possessing stable aminoxyl radicals: photolytic generation of quartet species and their reaction with C60. Journal of the Chemical Society Perkin Transactions II, 1998, , 1581-1588.	0.9	10
139	Computational Investigation into Photoswitching Efficiency of Diarylethene Derivatives: An Insight Based on the Decay Constant of Electron Tunneling. Journal of Physical Chemistry C, 2015, 119, 20169-20178.	1.5	10
140	Design, Synthesis, and Characterization of Ï€-Cross-Conjugated Polycarbenes with High-Spin Ground States. ACS Symposium Series, 1996, , 142-156.	0.5	9
141	High-spin organic molecular materials. Current Opinion in Solid State and Materials Science, 1997, 2, 446-450.	5.6	9
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