

Kenji Matsuda

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

203
papers

8,563
citations

48
h-index

88
g-index

226
ext. papers

9,329
ext. citations

6.2
avg, IF

6.31
L-index

#	Paper	IF	Citations
203	Doubly linked chiral phenanthrene oligomers for homogeneously extended helicenes with large effective conjugation length.. <i>Nature Communications</i> , 2022 , 13, 1475	17.4	6
202	Large Enhancement of the Single-Molecular Conductance of a Molecular Wire through a Radical Substituent.. <i>Chemistry - A European Journal</i> , 2022 , e202201141	4.8	
201	Donor-Acceptor Type [5]Helicene Derivative with Strong Circularly Polarized Luminescence. <i>Chemistry Letters</i> , 2021 , 50, 804-807	1.7	2
200	Re-entrant Photoinduced Morphological Transformation and Temperature-Dependent Kinetic Products of a Rectangular Amphiphilic Diarylethene Assembly. <i>Chemistry - A European Journal</i> , 2021 , 27, 11158-11166	4.8	0
199	HOMO-LUMO Energy-Gap Tuning of Conjugated Zwitterions Composed of Electron-Donating Anion and Electron-Accepting Cation. <i>Journal of Organic Chemistry</i> , 2021 , 86, 770-781	4.2	7
198	Tuning Transition Electric and Magnetic Dipole Moments: [7]Helicenes Showing Intense Circularly Polarized Luminescence. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 686-695	6.4	39
197	Evaluation of electron transport capability of armchair graphene nanoribbons (AGNRs) by calculating exchange interaction between terminally attached radicals. <i>Chemical Physics Letters</i> , 2021 , 780, 138923	2.5	0
196	A diarylethene annulated isomer as a highly-conductive molecular wire evaluated by the exchange interaction between two nitroxides. <i>Chemical Communications</i> , 2020 , 56, 2447-2450	5.8	1
195	Photoinduced Morphological Transformation and Photodriven Movement of Objects Using Self-assembly of Amphiphilic Diarylethene in Water 2020 , 327-348		
194	STM apparent height measurements of molecular wires with different physical length attached on 2-D phase separated templates for evaluation of single molecular conductance.. <i>RSC Advances</i> , 2020 , 10, 22054-22057	3.7	1
193	Circularly Polarized Luminescence Designed from Molecular Orbitals: A Figure-Eight-Shaped [5]Helicene Dimer with Symmetry. <i>Organic Letters</i> , 2020 , 22, 9276-9281	6.2	22
192	Photochromism for optically functionalized organic field-effect transistors: a comprehensive review. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10956-10974	7.1	19
191	Origin of aggregation-induced enhanced emission: role of pseudo-degenerate electronic states of excimers formed in aggregation phases. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 8036-8046	7.1	4
190	Photoinduced repetitive separation of a supramolecular assembly composed of an amphiphilic diarylethene mixture. <i>Soft Matter</i> , 2019 , 15, 7918-7925	3.6	
189	Photocontrollable ambipolar transistors with conjugated diarylethene photochromic channels. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, SDDH03	1.4	5
188	The polymorphism of porphyrin 2D assemblies at the liquid-graphite interface: the effect of a polar solvent additive and a flexible spacer on the face-on and edge-on type molecular arrangements. <i>Chemical Communications</i> , 2019 , 55, 8836-8839	5.8	4
187	Fabrication of Robust Spatially Resolved Photochromic Patterns on Cellulose Papers by Covalent Printing for Anticounterfeiting Applications. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1240-1250	4.3	16

186	Self-assembly of photochromic diarylethene-peptide conjugates stabilized by sheet formation at the liquid/graphite interface. <i>Chemical Communications</i> , 2019 , 55, 5099-5102	5.8	3
185	Inorganic/Organic Hybrid Photomechanical Crystals Consisting of Diarylethenes and Cage Siloxanes. <i>Chemistry of Materials</i> , 2019 , 31, 9372-9378	9.6	14
184	Photoinduced LCST Behavior of Amphiphilic Diarylethene Assemblies: Phototransformative Supramolecular Architectures and Photodriven Actuation. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2019 , 77, 236-245	0.2	0
183	Ambipolar carrier transport in an optically controllable diarylethene thin film transistor. <i>Organic Electronics</i> , 2019 , 64, 205-208	3.5	12
182	2-D Self-assembly of Alkyl-substituted Oligophenylene Derivatives at the Liquid/Solid Interface: Influence of Core Size and Hydrogen Bonds on the Nucleation/Elongation Process. <i>Chemistry Letters</i> , 2019 , 48, 253-256	1.7	2
181	Photoresponsive supramolecular self-assemblies at the liquid/solid interface. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2018 , 34, 29-40	16.4	18
180	Bundle formation of supramolecular fibers of amphiphilic diarylethene by depletion force. <i>Chemical Communications</i> , 2018 , 54, 4298-4301	5.8	11
179	Hexa- peri-hexabenz[7]helicene: Homogeneously E-Extended Helicene as a Primary Substructure of Helically Twisted Chiral Graphenes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4317-4326	16.4	106
178	Self-assembly of metal-organic polyhedra into supramolecular polymers with intrinsic microporosity. <i>Nature Communications</i> , 2018 , 9, 2506	17.4	109
177	Synthesis of a Helical Analogue of Kekulene: A Flexible E-Expanded Helicene with Large Helical Diameter Acting as a Soft Molecular Spring. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15461-15469	16.4	54
176	Structural Colored Balloon Composed of Temperature-Responsive Polymers Showing LCST Behavior. <i>Langmuir</i> , 2018 , 34, 12853-12860	4	2
175	Radical Cation E-Dimers of Conjugated Oligomers as Molecular Wires: An Analysis Based on Nitronyl Nitroxide Spin Labels. <i>Chemistry - A European Journal</i> , 2018 , 24, 11717-11728	4.8	13
174	Discrimination between Conglomerates and Pseudoracemates Using Surface Coverage Plots in 2D Self-Assemblies at the Liquid-Graphite Interface. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2371-2375	16.4	15
173	Discrimination between Conglomerates and Pseudoracemates Using Surface Coverage Plots in 2D Self-Assemblies at the Liquid-Graphite Interface. <i>Angewandte Chemie</i> , 2017 , 129, 2411-2415	3.6	2
172	Photocontrol of Clustering, Retaining, and Releasing of Microbeads Concomitant with Phototransformation of Supramolecular Architecture of Amphiphilic Diarylethene. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 4265-4272	3.4	7
171	Control over the Emission Properties of [5]Helicenes Based on the Symmetry and Energy Levels of Their Molecular Orbitals. <i>Organic Letters</i> , 2017 , 19, 1776-1779	6.2	22
170	Determination of Quantum Yield of Photoreaction in Solution and in Suspension by Global Fitting of Prolonged Change of Concentration. <i>Chemistry Letters</i> , 2017 , 46, 1564-1566	1.7	4
169	Phototransformative Supramolecular Assembly of Amphiphilic Diarylethenes Realized by a Combination of Photochromism and Lower Critical Solution Temperature Behavior. <i>Chemistry - A European Journal</i> , 2017 , 23, 15059-15066	4.8	11

168	Anisotropic Diffusion of Microbeads Surrounded by an Anisotropically Elongated Supramolecular Diarylethene Architecture under Linearly Polarized Light. <i>ChemPhotoChem</i> , 2017 , 1, 488-492	3.3	8
167	Influence of Multidirectional Interactions on Domain Size and Shape of 2-D Molecular Assemblies. <i>Langmuir</i> , 2017 , 33, 9151-9159	4	6
166	Anisotropic Diffusion of Microbeads Surrounded by an Anisotropically Elongated Supramolecular Diarylethene Architecture under Linearly Polarized Light. <i>ChemPhotoChem</i> , 2017 , 1, 487-487	3.3	
165	Cooperative Self-assembly of Photochromic Diarylethenes at Liquid/Solid Interface and Highly Sensitive Photoinduced Transformation of the Ordering 2017 , 409-419		1
164	Computational investigation on the switching efficiency of diarylethene: Comparison between the first hyperpolarizability and exchange interaction. <i>Chemical Physics Letters</i> , 2016 , 659, 258-262	2.5	1
163	Two-Photon Cycloreversion Reaction of Diarylethene on Gold Nanotriangles. <i>Advanced Optical Materials</i> , 2016 , 4, 1385-1391	8.1	1
162	Fluorescence behavior of 2,6,10-trisubstituted 4,8,12-triazatriangulene cations in solution and in the solid state. <i>CrystEngComm</i> , 2016 , 18, 7377-7383	3.3	11
161	Laser Patterning of Optically Reconfigurable Transistor Channels in a Photochromic Diarylethene Layer. <i>Nano Letters</i> , 2016 , 16, 7474-7480	11.5	36
160	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. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2811-2819	7.1	12
159	Photoswitching of Conductance of Diarylethene-Gold Nanoparticle Network Based on the Alteration of π Conjugation. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2113-8	6.4	16
158	Rational Design of Highly Photoresponsive Surface-Confined Self-Assembly of Diarylethenes: Reversible Three-State Photoswitching at the Liquid/Solid Interface. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9317-9325	3.8	21
157	Structural Colored Balloons Responsive to pH Change. <i>Langmuir</i> , 2016 , 32, 4945-51	4	3
156	Synthesis and Photophysical Properties of a 13,13'-Bibenzo[b]perylene Derivative as a π Extended 1,1'-Binaphthyl Analog. <i>Organic Letters</i> , 2016 , 18, 2118-21	6.2	36
155	Aggregation of 4,8,12-Triazatriangulene Cation with Amphiphilic Side Chains: Emission Properties in Solution, in Aggregates, and in the Solid State. <i>Chemistry Letters</i> , 2016 , 45, 1090-1092	1.7	2
154	Photoinduced Four-State Three-Step Ordering Transformation of Photochromic Terthiophene at a Liquid/Solid Interface Based on Two Principles: Photochromism and Polymorphism. <i>Langmuir</i> , 2015 , 31, 6404-14	4	23
153	Interface engineering for improving optical switching in a diarylethene-channel transistor. <i>Organic Electronics</i> , 2015 , 21, 149-154	3.5	20
152	Computational Investigation into Photoswitching Efficiency of Diarylethene Derivatives: An Insight Based on the Decay Constant of Electron Tunneling. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20169-20178	3.8	6
151	Fluorescence enhancement of covalently linked 1-cyano-1,2-diphenylethene chromophores with naphthalene-1,8-diyl linker units: analysis based on kinetic constants. <i>Chemistry - A European Journal</i> , 2015 , 21, 1637-44	4.8	31

150	Effects of Alkyl Chain Length and Hydrogen Bonds on the Cooperative Self-Assembly of 2-Thienyl-Type Diarylethenes at a Liquid/Highly Oriented Pyrolytic Graphite (HOPG) Interface. <i>Chemistry - A European Journal</i> , 2015 , 21, 13469-13469	4.8	1
149	Photochemical Cleavage of Axial Group Attached to the Central Carbon Atom of Triangulene Leuco Derivatives at the Ethanol/Au(111) Substrate. <i>Chemistry Letters</i> , 2015 , 44, 1616-1618	1.7	2
148	Photochemical Cleavage of the Axial Group Attached to the Central Carbon Atom of Triazatriangulene. <i>Chemistry Letters</i> , 2015 , 44, 76-78	1.7	10
147	Diarylethene Self-Assembled Monolayers: Cocrystallization and Mixing-Induced Cooperativity Highlighted by Scanning Tunneling Microscopy at the Liquid/Solid Interface. <i>Chemistry - A European Journal</i> , 2015 , 21, 11350-8	4.8	23
146	Investigation on the Surface-Confined Self-Assembly Stabilized by Hydrogen Bonds of Urea and Amide Groups: Quantitative Analysis of Concentration Dependence of Surface Coverage. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1926-31	4.5	10
145	Effects of Alkyl Chain Length and Hydrogen Bonds on the Cooperative Self-Assembly of 2-Thienyl-Type Diarylethenes at a Liquid/Highly Oriented Pyrolytic Graphite (HOPG) Interface. <i>Chemistry - A European Journal</i> , 2015 , 21, 13569-76	4.8	21
144	Photoinduced macroscopic morphological transformation of an amphiphilic diarylethene assembly: reversible dynamic motion. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2722-9	16.4	70
143	Theoretical Investigation on the Decaying Behavior of Exchange Interaction in Quinoid and Aromatic Molecular Wires. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5117-5121	3.8	11
142	Facile photochemical synthesis of 5,10-disubstituted [5]helicenes by removing molecular orbital degeneracy. <i>Organic Letters</i> , 2014 , 16, 2502-5	6.2	31
141	Phototriggered formation and disappearance of surface-confined self-assembly composed of photochromic 2-thienyl-type diarylethene: a cooperative model at the liquid/solid interface. <i>Chemical Communications</i> , 2014 , 50, 5964-6	5.8	40
140	Molecular design strategy toward diarylethenes that photoswitch with visible light. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17145-54	16.4	103
139	Investigation on CD inversion at visible region caused by a tilt of the π -conjugated substituent: theoretical and experimental approaches by using an asymmetric framework of diarylethene annulated isomer. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1084-93	2.8	5
138	The Effect of Cyano Substitution on the Fluorescence Behavior of 1,2-Bis(pyridylphenyl)ethene. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 686-690	3	12
137	Theoretical Investigation of the Dependence of Exchange Interaction on Dihedral Angle between Two Aromatic Rings in a Wire Unit. <i>Chemistry Letters</i> , 2014 , 43, 530-532	1.7	6
136	Photochromism of diarylethene molecules and crystals: memories, switches, and actuators. <i>Chemical Reviews</i> , 2014 , 114, 12174-277	68.1	1643
135	Wavelength dependence and multiple-induced states in photoresponses of copper phthalocyanine-doped gold nanoparticle single-electron device. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 01AC02	1.4	2
134	Optically and electrically driven organic thin film transistors with diarylethene photochromic channel layers. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3625-30	9.5	71
133	Photoisomerization-induced manipulation of single-electron tunneling for novel Si-based optical memory. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11371-6	9.5	12

132	Theoretical Investigation of the β Value of the π Conjugated Molecular Wires by Evaluating Exchange Interaction between Organic Radicals. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 26280-26286	3.8	28
131	Evaluation of the β value of the phenylene ethynylene unit by probing the exchange interaction between two nitronyl nitroxides. <i>Journal of Organic Chemistry</i> , 2013 , 78, 9282-90	4.2	25
130	Photoswitching of chiral supramolecular environments and photoinduced lower critical solution temperature transitions in aqueous media following a supramolecular approach. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 873-80	3.9	16
129	Theoretical investigation of the β value of the phenylene and phenylene ethynylene units by evaluating exchange interaction between organic radicals. <i>Chemical Physics Letters</i> , 2013 , 555, 187-190	2.5	19
128	Photocontrol of solvent responsiveness of structural colored balloons. <i>Langmuir</i> , 2013 , 29, 7047-51	4	4
127	Photoresponses in Gold Nanoparticle Single-Electron Transistors with Molecular Floating Gates. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 110102	1.4	12
126	Formation of Two-dimensionally Ordered Diarylethene Annulated Isomer at the Liquid/HOPG Interface upon In Situ UV Irradiation. <i>Chemistry Letters</i> , 2013 , 42, 1537-1539	1.7	24
125	Photochromism of Diarylethenes at Surfaces and Interfaces 2013 , 101-116		
124	Solvent-responsive structural colored balloons. <i>Langmuir</i> , 2012 , 28, 5432-7	4	11
123	Photoinduced conductance switching in a dye-doped gold nanoparticle transistor. <i>Applied Physics Letters</i> , 2012 , 101, 023103	3.4	11
122	Singlet Excitation Energy Transfer Mediated by Local Exciton Bridges. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13865-13876	3.8	2
121	Chronological change from face-on to edge-on ordering of zinc-tetraphenylporphyrin at the phenyloctane-highly oriented pyrolytic graphite interface. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 394-9	4.5	9
120	Photoswitching Property of Diarylethenes in Molecular Magnetism and Electronics 2011 , 215-235		1
119	Theoretical study of the excited states of the photosynthetic reaction center in photosystem II: electronic structure, interactions, and their origin. <i>Biophysical Chemistry</i> , 2011 , 159, 227-36	3.5	8
118	Self-assembly and aggregate-induced enhanced emission of amphiphilic fluorescence dyes in water and in the solid state. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1057-63	4.5	35
117	Theoretical study of the excited states and the redox potentials of unusually distorted β -trifluoromethylporphycene. <i>Theoretical Chemistry Accounts</i> , 2011 , 130, 175-185	1.9	4
116	Bridge-mediated excitation energy transfer pathways through protein media: a Slater determinant-based electronic coupling calculation combined with localized molecular orbitals. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 10814-22	2.8	16
115	Comparison of molecular conductance between planar and twisted 4-phenylpyridines by means of two-dimensional phase separation of tetraphenylporphyrin templates at a liquid-HOPG interface. <i>Chemical Communications</i> , 2011 , 47, 8427-9	5.8	10

114	π-Conjugation of two nitronyl nitroxides-attached diarylethenes. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 5685-92	3.4	14
113	Chemical-intuition based LMO transformation simplifies excited-state wave functions of peptides. <i>Chemical Physics Letters</i> , 2011 , 508, 171-176	2.5	12
112	A photoresponsive single electron transistor prepared from oligothiophene molecules and gold nanoparticles in a nanogap electrode. <i>Applied Physics Letters</i> , 2010 , 96, 103117	3.4	19
111	Evaluation of the π-value of the phenylene unit by probing exchange interaction between two nitroxides. <i>Organic Letters</i> , 2010 , 12, 5284-6	6.2	23
110	Theoretical Investigation on the Origin of the CD Signal Reversal for the Closed-ring Isomer of Diarylethene with Peripheral π-Conjugated Substituents. <i>Chemistry Letters</i> , 2010 , 39, 516-517	1.7	7
109	Generalizing the bra state in the symmetry-adapted cluster singles and doubles method and the second-order perturbation correction. <i>Chemical Physics Letters</i> , 2010 , 486, 84-88	2.5	1
108	Self-assembly of photochromic diarylethenes with amphiphilic side chains: core-chain ratio dependence on supramolecular structures. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 58-66	4.5	28
107	Self-assembly of amphiphilic fluorescent dyes showing aggregate-induced enhanced emission: temperature dependence of molecular alignment and intermolecular interaction in aqueous environment. <i>Chemical Communications</i> , 2009 , 5832-4	5.8	35
106	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	3.6	7
105	Photo- and Electrochromic Switching of Diarylethene-Gold Nanoparticle Network on Interdigitated Electrodes. <i>Chemistry Letters</i> , 2009 , 38, 946-947	1.7	12
104	3P-221 Theoretical Study of Excited States of Photosynthetic Reaction Center in Photosystem II: Structure and Interaction (Photobiology: Photosynthesis, The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2009 , 49, S188	0	
103	Control of the photoreactivity of diarylethene derivatives by quaternarization of the pyridylethynyl group. <i>Organic Letters</i> , 2008 , 10, 2051-4	6.2	85
102	Conductance Photoswitching of Diarylethene-Gold Nanoparticle Network Induced by Photochromic Reaction. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 17005-17010	3.8	107
101	Reversible photoinduced change in molecular ordering of diarylethene derivatives at a solution-HOPG interface. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9371-9	16.4	61
100	Percolation-type Photoswitching Behavior in Conductance of Diarylethene-Silver Nanoparticle Networks. <i>Chemistry Letters</i> , 2008 , 37, 634-635	1.7	11
99	Photochromic diarylethene as an information processing unit: Magnetic and electric switching. <i>Pure and Applied Chemistry</i> , 2008 , 80, 555-561	2.1	5
98	Temperature-Light Dual Control of Clouding Behavior of an Oligo(ethylene glycol)-Diarylethene Hybrid System. <i>Advanced Materials</i> , 2008 , 20, 2137-2141	24	64
97	Theoretical investigation on photochromic diarylethene: A short review. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 200, 10-18	4.7	69

96	Excited-State Behavior of a Fluorescent and Photochromic Diarylethene on Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3853-3862	3.8	46
95	Photoswitching of Solvatochromism Using Diarylethenes with 2,5-Disubstituted 3-Thienyl Unit. <i>Chemistry Letters</i> , 2007 , 36, 1232-1233	1.7	6
94	Photostimulated Crystal Lattice Change Induced by the Photochemical Ring-Opening Reaction of Diarylethene Molecules. <i>Bulletin of the Chemical Society of Japan</i> , 2007 , 80, 365-370	5.1	6
93	Photoswitching of conductance of diarylethene-Au nanoparticle network. <i>Chemical Communications</i> , 2007 , 1355-7	5.8	84
92	pK(a) Switching induced by the change in the pi-conjugated system based on photochromism. <i>Chemistry - A European Journal</i> , 2006 , 12, 4283-8	4.8	70
91	Self-assembly of photochromic diarylethenes with amphiphilic side chains: reversible thermal and photochemical control. <i>Journal of Organic Chemistry</i> , 2006 , 71, 7499-508	4.2	119
90	Characterization of cationic diarylethene by electron spin resonance and absorption spectra-ratio of open/closed-ring isomers. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 8137-43	2.8	35
89	Direct Observation of Cation Radicals of a Diarylethene during Oxidative Ring-opening Reaction. <i>Chemistry Letters</i> , 2006 , 35, 900-901	1.7	14
88	Recent Development of π -Electrocyclic Photochromic Systems. <i>Chemistry Letters</i> , 2006 , 35, 1204-1209	1.7	80
87	Photochromism of Diarylethenes on Gold and Silver Nanoparticles. <i>Bulletin of the Chemical Society of Japan</i> , 2006 , 79, 1413-1419	5.1	32
86	Electrochemical cyclization/cycloreversion reactions of diarylethenes. <i>Organic Letters</i> , 2005 , 7, 3315-8	6.2	166
85	Synthesis of New Photochromic Diarylethenes Having 2,5-Bis(trimethylsilylethynyl)-3-Thienyl Unit. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 430, 75-79	0.5	2
84	Full-color photochromism of a fused dithienylethene trimer. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8922-3	16.4	240
83	New photoswitching unit for magnetic interaction: diarylethene with 2,5-bis(arylethynyl)-3-thienyl group. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13344-53	16.4	142
82	Photochromic Oligothiophenes. <i>Chemistry Letters</i> , 2005 , 34, 1580-1581	1.7	11
81	Photoswitching of Intramolecular Magnetic Interaction Using Diarylethene Photochromic Spin Couplers. <i>Bulletin of the Chemical Society of Japan</i> , 2005 , 78, 383-392	5.1	22
80	Effective photoswitching of intramolecular magnetic interaction by diarylethene: Backgrounds and applications. <i>Polyhedron</i> , 2005 , 24, 2477-2483	2.7	16
79	Synthesis of a new diarylethene diradical which has extended π -conjugated chains from the 2,5-position of one thiophene ring. <i>Polyhedron</i> , 2005 , 24, 2484-2490	2.7	16

78	Effect of imino nitroxyl and nitronyl nitroxyl groups on the photochromic reactivity of diarylethenes. <i>Organic Letters</i> , 2005 , 7, 3777-80	6.2	55
77	Photochromism of Dithienylethenes Containing Fluorinated Thiophene Rings. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 91-97	3.2	48
76	Photochromism of Diarylethene Zinc Complexes. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 431, 429-432	3.2	1
75	Photochromism of metal complexes composed of diarylethene ligands and Zn(II), Mn(II), and Cu(II) hexafluoroacetylacetonates. <i>Inorganic Chemistry</i> , 2004 , 43, 482-9	5.1	80
74	Photochromism of metal complexes composed of diarylethene ligands and ZnCl ₂ . <i>Inorganic Chemistry</i> , 2004 , 43, 3774-6	5.1	34
73	Photochromism of Diarylethene-capped Gold Nanoparticles. <i>Chemistry Letters</i> , 2004 , 33, 456-457	1.7	41
72	Diarylethene as a photoswitching unit. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2004 , 5, 169-182	16.4	535
71	Very High Cyclization Quantum Yields of Diarylethene Having Two N-Methylpyridinium Ions. <i>Chemistry Letters</i> , 2003 , 32, 1178-1179	1.7	40
70	Absolute Asymmetric Photocyclization of a Photochromic Diarylethene Derivative in Single Crystals. <i>Angewandte Chemie</i> , 2003 , 115, 1674-1677	3.6	14
69	Photochromic Reaction of a Fused Dithienylethene: Multicolor Photochromism. <i>Angewandte Chemie</i> , 2003 , 115, 3661-3664	3.6	11
68	Titelbild: Absolute Asymmetric Photocyclization of a Photochromic Diarylethene Derivative in Single Crystals (Angew. Chem. 14/2003). <i>Angewandte Chemie</i> , 2003 , 115, 1589-1589	3.6	2
67	Photochromism of diarylethenes linked by hydrogen bonds in the single-crystalline phase. <i>Chemistry - A European Journal</i> , 2003 , 9, 4878-86	4.8	44
66	Photoswitching of the magnetic interaction between a copper(II) ion and a nitroxide radical by using a photochromic spin coupler. <i>Chemistry - A European Journal</i> , 2003 , 9, 5605-9	4.8	75
65	Absolute asymmetric photocyclization of a photochromic diarylethene derivative in single crystals. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1636-9	16.4	90
64	Photochromic reaction of a fused dithienylethene: multicolor photochromism. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3537-40	16.4	110
63	Cover Picture: Absolute Asymmetric Photocyclization of a Photochromic Diarylethene Derivative in Single Crystals (Angew. Chem. Int. Ed. 14/2003). <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1551-1551	16.4	
62	Diastereoselective cyclization in chiral diarylethene crystals: polymorphism and selectivity. <i>Organic Letters</i> , 2003 , 5, 1769-72	6.2	50
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59	Reversed Photoswitching of Intramolecular Magnetic Interaction Using A Photochromic Bis(2-thienyl)ethene Spin Coupler. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 11218-11225	3.4	60
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