

# Kenji Matsuda

## List of Publications by Citations

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203  
papers

8,563  
citations

48  
h-index

88  
g-index

226  
ext. papers

9,329  
ext. citations

6.2  
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6.31  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 203 | Photochromism of diarylethene molecules and crystals: memories, switches, and actuators. <i>Chemical Reviews</i> , <b>2014</b> , 114, 12174-277   | 68.1 | 1643      |
| 202 | Diarylethene as a photoswitching unit. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2004</b> , 5, 169-182   | 16.4 | 535       |
| 201 | Novel Pd(II)- and Pt(II)-Catalyzed Regio- and Stereoselective trans-Hydroarylation of Alkynes by Simple Arenes. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 7252-7263                          | 16.4 | 291       |
| 200 | Full-color photochromism of a fused dithienylethene trimer. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8922-3   | 16.4 | 240       |
| 199 | A Diarylethene with Two Nitronyl Nitroxides: Photoswitching of Intramolecular Magnetic Interaction. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 7195-7201                                      | 16.4 | 236       |
| 198 | Electrochemical cyclization/cycloreversion reactions of diarylethenes. <i>Organic Letters</i> , <b>2005</b> , 7, 3315-8   | 6.2  | 166       |
| 197 | New photoswitching unit for magnetic interaction: diarylethene with 2,5-bis(arylethynyl)-3-thienyl group. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 13344-53                                 | 16.4 | 142       |
| 196 | Reversible Diastereoselective Photocyclization of a Diarylethene in a Single-Crystalline Phase. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 9631-9637  | 16.4 | 129       |
| 195 | Photoswitching of intramolecular magnetic interaction using a diarylethene dimer. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 9896-7   | 16.4 | 120       |
| 194 | Design, Synthesis, and Characterization of Three Kinds of $\pi$ -Cross-Conjugated Hexacarbenes with High-Spin ( $S = 6$ ) Ground States. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 5550-5560 | 16.4 | 120       |
| 193 | Self-assembly of photochromic diarylethenes with amphiphilic side chains: reversible thermal and photochemical control. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 7499-508                                | 4.2  | 119       |
| 192 | Photochromism of diarylethenes with two nitronyl nitroxides: photoswitching of an intramolecular magnetic interaction. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 3466-73                                 | 4.8  | 119       |
| 191 | Photochromic reaction of a fused dithienylethene: multicolor photochromism. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 3537-40  | 16.4 | 110       |
| 190 | Self-assembly of metal-organic polyhedra into supramolecular polymers with intrinsic microporosity. <i>Nature Communications</i> , <b>2018</b> , 9, 2506  | 17.4 | 109       |
| 189 | Conductance Photoswitching of Diarylethene-Gold Nanoparticle Network Induced by Photochromic Reaction. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 17005-17010  | 3.8  | 107       |
| 188 | Hexa- peri-hexabenz[7]helicene: Homogeneously $\pi$ -Extended Helicene as a Primary Substructure of Helically Twisted Chiral Graphenes. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4317-4326  | 16.4 | 106       |
| 187 | Photoswitching of Intramolecular Magnetic Interaction Using a Photochromic Spin Coupler: An ESR Study. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 8309-8310                                   | 16.4 | 106       |

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| 186 | Molecular design strategy toward diarylethenes that photoswitch with visible light. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 17145-54   | 16.4 | 103 |
| 185 | Bimetallic Assemblies [Ni(L) <sub>2</sub> ] <sub>3</sub> [Fe(CN) <sub>6</sub> ] <sub>2</sub> (L = Ethylenediamine, Trimethylenediamine; X = PF <sub>6</sub> <sup>-</sup> , ClO <sub>4</sub> <sup>-</sup> ) with a Three-Dimensional Network Extended through FeII-CN-FeIII Linkages. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 842-848 | 5.1  | 94  |
| 184 | Absolute asymmetric photocyclization of a photochromic diarylethene derivative in single crystals. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 1636-9  | 16.4 | 90  |
| 183 | Control of the photoreactivity of diarylethene derivatives by quaternarization of the pyridylethynyl group. <i>Organic Letters</i> , <b>2008</b> , 10, 2051-4   | 6.2  | 85  |
| 182 | Photoswitching of conductance of diarylethene-Au nanoparticle network. <i>Chemical Communications</i> , <b>2007</b> , 1355-7  | 5.8  | 84  |
| 181 | Recent Development of 6E Electrocylic Photochromic Systems. <i>Chemistry Letters</i> , <b>2006</b> , 35, 1204-1209  | 1.7  | 80  |
| 180 | Photochromism of metal complexes composed of diarylethene ligands and Zn(II), Mn(II), and Cu(II) hexafluoroacetylacetonates. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 482-9   | 5.1  | 80  |
| 179 | Helical pitch of m-phenylene ethynylene foldamers by double spin labeling. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 11836-7   | 16.4 | 80  |
| 178 | Formation of Ferromagnetic Chains by Photolysis of 1:1 Complexes of Bis(hexafluoroacetylacetonato)copper(II) with Diazodi-4-pyridylmethane. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 8246-8252  | 16.4 | 78  |
| 177 | Photoswitching of intramolecular magnetic interaction using diarylethene with oligothiophene pi-conjugated chain. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 8799-803  | 4.2  | 76  |
| 176 | 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> , <b>2003</b> , 9, 5605-9   | 4.8  | 75  |
| 175 | Optically and electrically driven organic thin film transistors with diarylethene photochromic channel layers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3625-30   | 9.5  | 71  |
| 174 | Photoinduced macroscopic morphological transformation of an amphiphilic diarylethene assembly: reversible dynamic motion. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2722-9   | 16.4 | 70  |
| 173 | pK(a) Switching induced by the change in the pi-conjugated system based on photochromism. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 4283-8  | 4.8  | 70  |
| 172 | Theoretical investigation on photochromic diarylethene: A short review. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2008</b> , 200, 10-18   | 4.7  | 69  |
| 171 | Fatigue Mechanism of Photochromic 1,2-Bis(2,5-dimethyl-3-thienyl)perfluorocyclopentene. <i>Bulletin of the Chemical Society of Japan</i> , <b>2000</b> , 73, 2389-2394  | 5.1  | 67  |
| 170 | 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> , <b>2001</b> , 363-364   | 5.8  | 65  |
| 169 | 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). <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 9347-9351  | 16.4 | 65  |

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|-----|---|------|----|
| 168 | Temperature-Light Dual Control of Clouding Behavior of an Oligo(ethylene glycol)-Diarylethene Hybrid System. <i>Advanced Materials</i> , <b>2008</b> , 20, 2137-2141  | 24   | 64 |
| 167 | Reversible photoinduced change in molecular ordering of diarylethene derivatives at a solution-HOPG interface. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 9371-9  | 16.4 | 61 |
| 166 | Reversed Photoswitching of Intramolecular Magnetic Interaction Using A Photochromic Bis(2-thienyl)ethene Spin Coupler. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 11218-11225  | 3.4  | 60 |
| 165 | Effect of imino nitroxyl and nitronyl nitroxyl groups on the photochromic reactivity of diarylethenes. <i>Organic Letters</i> , <b>2005</b> , 7, 3777-80  | 6.2  | 55 |
| 164 | Syntheses and Magnetic Properties of Stable Organic Triradicals with Quartet Ground States Consisting of Different Nitroxide Radicals. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 7168-7173                           | 16.4 | 54 |
| 163 | Synthesis of An Azobenzene Derivative Bearing Two Stable Nitronyl Nitroxide Radicals as Substituents and Its Magnetic Properties. <i>Bulletin of the Chemical Society of Japan</i> , <b>1998</b> , 71, 2937-2943                                | 5.1  | 54 |
| 162 | Synthesis of a Helical Analogue of Kekulene: A Flexible Expanded Helicene with Large Helical Diameter Acting as a Soft Molecular Spring. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 15461-15469                       | 16.4 | 54 |
| 161 | Fatigue Mechanism of Photochromic 1,2-Bis(3-thienyl)perfluorocyclopentene. <i>Chemistry Letters</i> , <b>2000</b> , 29, 1358-1359   | 1.7  | 51 |
| 160 | Diastereoselective cyclization in chiral diarylethene crystals: polymorphism and selectivity. <i>Organic Letters</i> , <b>2003</b> , 5, 1769-72   | 6.2  | 50 |
| 159 | Design and Synthesis of a Starburst-Type Nonadiazole Compound and Magnetic Characterization of Its Photoproduct. <i>Chemistry - A European Journal</i> , <b>1996</b> , 2, 259-264   | 4.8  | 50 |
| 158 | Photoswitching of Intramolecular Magnetic Interaction: A Diarylethene Photochromic Spin Coupler. <i>Chemistry Letters</i> , <b>2000</b> , 29, 16-17   | 1.7  | 49 |
| 157 | Toward Dendritic Two-Dimensional Polycarbenes: Syntheses of Starburst-Type Nona- and Dodecadiazole Compounds and Magnetic Study of Their Photoproducts. <i>Bulletin of the Chemical Society of Japan</i> , <b>1996</b> , 69, 1483-1494          | 5.1  | 49 |
| 156 | Photochromism of Dithienylethenes Containing Fluorinated Thiophene Rings. <i>European Journal of Organic Chemistry</i> , <b>2005</b> , 2005, 91-97  | 3.2  | 48 |
| 155 | Tris[p-(N-oxyl-N-tert-butylamino)phenyl]amine, -methyl, and -borane Have Doublet, Triplet, and Doublet Ground States, Respectively. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 2567-2576                              | 16.4 | 48 |
| 154 | Excited-State Behavior of a Fluorescent and Photochromic Diarylethene on Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 3853-3862  | 3.8  | 46 |
| 153 | Photochromism of diarylethenes linked by hydrogen bonds in the single-crystalline phase. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 4878-86   | 4.8  | 44 |
| 152 | Photochromism of Diarylethene-capped Gold Nanoparticles. <i>Chemistry Letters</i> , <b>2004</b> , 33, 456-457   | 1.7  | 41 |
| 151 | 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> , <b>2014</b> , 50, 5964-6 | 5.8  | 40 |

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|-----|---|------|----|
| 150 | Very High Cyclization Quantum Yields of Diarylethene Having Two N-Methylpyridinium Ions. <i>Chemistry Letters</i> , <b>2003</b> , 32, 1178-1179   | 1.7  | 40 |
| 149 | Tuning Transition Electric and Magnetic Dipole Moments: [7]Helicenes Showing Intense Circularly Polarized Luminescence. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 686-695  | 6.4  | 39 |
| 148 | Laser Patterning of Optically Reconfigurable Transistor Channels in a Photochromic Diarylethene Layer. <i>Nano Letters</i> , <b>2016</b> , 16, 7474-7480  | 11.5 | 36 |
| 147 | Photochromic reactivity of a dithienylethene dimer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2002</b> , 152, 141-146   | 4.7  | 36 |
| 146 | Brominated isoindolines: precursors to functionalised nitroxides. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1999</b> , 65-72   |      | 36 |
| 145 | Synthesis and Photophysical Properties of a 13,13'-Bibenzo[b]perylene Derivative as a $\pi$ -Extended 1,1'-Binaphthyl Analog. <i>Organic Letters</i> , <b>2016</b> , 18, 2118-21  | 6.2  | 36 |
| 144 | Self-assembly and aggregate-induced enhanced emission of amphiphilic fluorescence dyes in water and in the solid state. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 1057-63  | 4.5  | 35 |
| 143 | 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> , <b>2009</b> , 5832-4   | 5.8  | 35 |
| 142 | Characterization of cationic diarylethene by electron spin resonance and absorption spectra-ratio of open/closed-ring isomers. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 8137-43  | 2.8  | 35 |
| 141 | Photochromism of metal complexes composed of diarylethene ligands and ZnCl <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 3774-6   | 5.1  | 34 |
| 140 | Photochromism of diarylethenes having nitronyl nitroxides. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 2577-2580   | 2    | 34 |
| 139 | Photochromism of Diarylethenes on Gold and Silver Nanoparticles. <i>Bulletin of the Chemical Society of Japan</i> , <b>2006</b> , 79, 1413-1419   | 5.1  | 32 |
| 138 | Diastereoselective cyclization of a diarylethene having a chiral N-phenylethylamide substituent in crystals. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 7291-7293   | 2    | 32 |
| 137 | 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> , <b>2015</b> , 21, 1637-44                    | 4.8  | 31 |
| 136 | Facile photochemical synthesis of 5,10-disubstituted [5]helicenes by removing molecular orbital degeneracy. <i>Organic Letters</i> , <b>2014</b> , 16, 2502-5   | 6.2  | 31 |
| 135 | Theoretical Investigation of the $\pi$ -Value of the $\pi$ -Conjugated Molecular Wires by Evaluating Exchange Interaction between Organic Radicals. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 26280-26286 <sup>3.8</sup>              |      | 28 |
| 134 | Self-assembly of photochromic diarylethenes with amphiphilic side chains: core-chain ratio dependence on supramolecular structures. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 58-66  | 4.5  | 28 |
| 133 | One-dimensional chains consisting of copper(II) ions and an orthogonal anthracene-pyrimidine derivative: hierarchical formation of high-dimensional networks and their magnetic properties. <i>New Journal of Chemistry</i> , <b>2000</b> , 24, 609-613 | 3.6  | 28 |

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| 132 | A Triphenylamine Derivative with Three p-(N-tert-Butyl-N-oxylamino)phenyl Radical Units and Yet a Doublet Ground State. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 1791-1793   | 16.4 | 28 |
| 131 | A Spin-Frustrated System Composed of Organic Radicals and Magnetic Metal Ions. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 810-812  | 16.4 | 27 |
| 130 | Singlet and Triplet States Are Degenerate in 2,3-Dimethylenecyclohexane-1,4-diyl. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 7412-7413   | 16.4 | 26 |
| 129 | Evaluation of the $J$ value of the phenylene ethynylene unit by probing the exchange interaction between two nitronyl nitroxides. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 9282-90  | 4.2  | 25 |
| 128 | Formation of Two-dimensionally Ordered Diarylethene Annulated Isomer at the Liquid/HOPG Interface upon In Situ UV Irradiation. <i>Chemistry Letters</i> , <b>2013</b> , 42, 1537-1539  | 1.7  | 24 |
| 127 | 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> , <b>2015</b> , 31, 6404-14   | 4    | 23 |
| 126 | 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> , <b>2015</b> , 21, 11350-8   | 4.8  | 23 |
| 125 | Evaluation of the $J$ value of the phenylene unit by probing exchange interaction between two nitroxides. <i>Organic Letters</i> , <b>2010</b> , 12, 5284-6  | 6.2  | 23 |
| 124 | Control over the Emission Properties of [5]Helicenes Based on the Symmetry and Energy Levels of Their Molecular Orbitals. <i>Organic Letters</i> , <b>2017</b> , 19, 1776-1779   | 6.2  | 22 |
| 123 | Photoswitching of Intramolecular Magnetic Interaction Using Diarylethene Photochromic Spin Couplers. <i>Bulletin of the Chemical Society of Japan</i> , <b>2005</b> , 78, 383-392  | 5.1  | 22 |
| 122 | Circularly Polarized Luminescence Designed from Molecular Orbitals: A Figure-Eight-Shaped [5]Helicene Dimer with Symmetry. <i>Organic Letters</i> , <b>2020</b> , 22, 9276-9281  | 6.2  | 22 |
| 121 | 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> , <b>2015</b> , 21, 13569-76                                | 4.8  | 21 |
| 120 | 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> , <b>2016</b> , 120, 9317-9325  | 3.8  | 21 |
| 119 | Interface engineering for improving optical switching in a diarylethene-channel transistor. <i>Organic Electronics</i> , <b>2015</b> , 21, 149-154   | 3.5  | 20 |
| 118 | Demonstration of the degeneracy of the singlet and triplet states in 2,3-dimethylenecyclohexane-1,4-diyl by measurement of its magnetic properties. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1998</b> , 1023-1026  |      | 20 |
| 117 | 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 MnII(hfac) <sub>2</sub> . <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1996</b> , 907 |      | 20 |
| 116 | Theoretical investigation of the $J$ value of the phenylene and phenylene ethynylene units by evaluating exchange interaction between organic radicals. <i>Chemical Physics Letters</i> , <b>2013</b> , 555, 187-190   | 2.5  | 19 |
| 115 | A photoresponsive single electron transistor prepared from oligothiophene molecules and gold nanoparticles in a nanogap electrode. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 103117   | 3.4  | 19 |

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|-----|--|------|----|
| 114 | Crystal Structures and Magnetic Properties of m-Phenylenebis(imidazole) Derivatives Having Two Nitronyl Nitroxide or Iminyl Nitroxide Radicals. The Two Kinds of Antiferromagnetic Interaction Alternating along One-Dimensional Chains. <i>Journal of Organic Chemistry</i> , <b>1997</b> , 62, 8854-8861 | 4.2  | 19 |
| 113 | Photochromism for optically functionalized organic field-effect transistors: a comprehensive review. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 10956-10974  | 7.1  | 19 |
| 112 | Photoresponsive supramolecular self-assemblies at the liquid/solid interface. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2018</b> , 34, 29-40  | 16.4 | 18 |
| 111 | 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). <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 2083-2085  | 5.1  | 17 |
| 110 | Fabrication of Robust Spatially Resolved Photochromic Patterns on Cellulose Papers by Covalent Printing for Anticounterfeiting Applications. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1240-1250   | 4.3  | 16 |
| 109 | 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> , <b>2013</b> , 11, 873-80   | 3.9  | 16 |
| 108 | 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> , <b>2011</b> , 115, 10814-22   | 2.8  | 16 |
| 107 | Effective photoswitching of intramolecular magnetic interaction by diarylethene: Backgrounds and applications. <i>Polyhedron</i> , <b>2005</b> , 24, 2477-2483   | 2.7  | 16 |
| 106 | Synthesis of a new diarylethene diradical which has extended $\pi$ -conjugated chains from the 2,5-position of one thiophene ring. <i>Polyhedron</i> , <b>2005</b> , 24, 2484-2490   | 2.7  | 16 |
| 105 | Exploratory and Mechanistic Studies of the Trimerization Reaction of Benzoylacetylenes in the Presence of a Secondary Amine. <i>Chemistry Letters</i> , <b>1994</b> , 23, 1765-1768  | 1.7  | 16 |
| 104 | Photoswitching of Conductance of Diarylethene-Gold Nanoparticle Network Based on the Alteration of $\pi$ -Conjugation. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2113-8  | 6.4  | 16 |
| 103 | Discrimination between Conglomerates and Pseudoracemates Using Surface Coverage Plots in 2D Self-Assemblies at the Liquid-Graphite Interface. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2371-2375   | 16.4 | 15 |
| 102 | Photoswitching of Intramolecular Magnetic Interaction Using Photochromic Diarylethene Spin Coupler: Introduction of Thiophene Spacer. <i>Chemistry Letters</i> , <b>2001</b> , 30, 436-437   | 1.7  | 15 |
| 101 | Photoswitching of magnetic interaction: diarylethene photochromic spin couplers. <i>Polyhedron</i> , <b>2001</b> , 20, 1391-1395   | 2.7  | 15 |
| 100 | Inorganic/Organic Hybrid Photomechanical Crystals Consisting of Diarylethenes and Cage Siloxanes. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9372-9378  | 9.6  | 14 |
| 99  | $\pi$ -Conjugation of two nitronyl nitroxides-attached diarylethenes. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 5685-92  | 3.4  | 14 |
| 98  | Control of the Superexchange Interaction through Diphenyl Sulfide 4,4'-Diyl Magnetic Coupler by Changing the Oxidation State and Conformation of the Sulfur Atom. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 8058-8064   | 16.4 | 14 |
| 97  | Direct Observation of Cation Radicals of a Diarylethene during Oxidative Ring-opening Reaction. <i>Chemistry Letters</i> , <b>2006</b> , 35, 900-901   | 1.7  | 14 |

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| 96 | Absolute Asymmetric Photocyclization of a Photochromic Diarylethene Derivative in Single Crystals. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 1674-1677  | 3.6 | 14 |
| 95 | . <i>European Journal of Inorganic Chemistry</i> , <b>2000</b> , 2000, 211-216  | 2.3 | 14 |
| 94 | Radical Cation Dimers of Conjugated Oligomers as Molecular Wires: An Analysis Based on Nitronyl Nitroxide Spin Labels. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11717-11728  | 4.8 | 13 |
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