

Tsuyoshi Kawai

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168
papers

8,087
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47
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86
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188
ext. papers

9,093
ext. citations

6.9
avg, IF

6.23
L-index

#	Paper	IF	Citations
168	Organic chemistry: a digital fluorescent molecular photoswitch. <i>Nature</i> , 2002 , 420, 759-60	50.4	1012
167	Photoconductive coaxial nanotubes of molecularly connected electron donor and acceptor layers. <i>Science</i> , 2006 , 314, 1761-4	33.3	604
166	Circularly Polarized Luminescence in Chiral Molecules and Supramolecular Assemblies. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3445-52	6.4	407
165	Chemical-stimuli-controllable circularly polarized luminescence from anion-responsive π conjugated molecules. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9266-9	16.4	340
164	Systematic conversion of single walled carbon nanotubes into n-type thermoelectric materials by molecular dopants. <i>Scientific Reports</i> , 2013 , 3, 3344	4.9	271
163	Circularly Polarized Luminescence in Chiral Aggregates: Dependence of Morphology on Luminescence Dissymmetry. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 316-21	6.4	174
162	A photoresponsive laser dye containing photochromic dithienylethene units. <i>Chemical Communications</i> , 2001 , 711-712	5.8	172
161	Simple Salt-Coordinated n-Type Nanocarbon Materials Stable in Air. <i>Advanced Functional Materials</i> , 2016 , 26, 3021-3028	15.6	165
160	Optical activity and chiral memory of thiol-capped CdTe nanocrystals. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10342-3	16.4	156
159	Observation of chiral aggregate growth of perylene derivative in opaque solution by circularly polarized luminescence. <i>Organic Letters</i> , 2010 , 12, 2362-5	6.2	148
158	Noncovalent ligand-to-ligand interactions alter sense of optical chirality in luminescent tris(Ediketonate) lanthanide(III) complexes containing a chiral bis(oxazolonyl) pyridine ligand. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9892-902	16.4	147
157	Photon-quantitative reaction of a dithiazolylarylene in solution. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1565-8	16.4	143
156	Two-Step Synthesis of Boron-Fused Double Helicenes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5210-3	16.4	141
155	A Novel Photoresponsive π Conjugated Polymer Based on Diarylethene and its Photoswitching Effect in Electrical Conductivity. <i>Advanced Materials</i> , 2005 , 17, 309-314	24	139
154	Novel Photochromic Molecules Based on 4,5-Dithienyl Thiazole with Fast Thermal Bleaching Rate. <i>Chemistry of Materials</i> , 2007 , 19, 3479-3483	9.6	135
153	Self-discriminating termination of chiral supramolecular polymerization: tuning the length of nanofibers. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5943-7	16.4	113
152	A Smart Sensing Method for Object Identification Using Circularly Polarized Luminescence from Coordination-Driven Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8973-8978	16.4	113

151	Circularly polarized luminescence of a fluorescent chiral binaphthylene-perylenebiscarboxydiimide dimer. <i>ChemPhysChem</i> , 2007 , 8, 1465-8	3.2	98
150	Circularly polarized luminescence in supramolecular assemblies of chiral bichromophoric perylene bisimides. <i>Chemistry - A European Journal</i> , 2013 , 19, 14090-7	4.8	96
149	Circular dichroism and circularly polarized luminescence triggered by self-assembly of tris(phenylisoxazolyl)benzenes possessing a perylenebisimide moiety. <i>Chemical Communications</i> , 2012 , 48, 6025-7	5.8	93
148	Circularly polarized luminescence of Eu(III) complexes with point- and axis-chiral ligands dependent on coordination structures. <i>Inorganic Chemistry</i> , 2009 , 48, 11242-50	5.1	86
147	Refractive Index Changes of Amorphous Diarylethenes Containing 2,4-Diphenylphenyl Substituents. <i>Chemistry of Materials</i> , 2003 , 15, 4539-4543	9.6	86
146	Photochromism of Thiazole-Containing Triangle Terarylenes. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 3212-3218	3.2	85
145	Bis(dipyrrinato)zinc(II) Complex Chiroptical Wires: Exfoliation into Single Strands and Intensification of Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16024-16027	16.4	83
144	Photoswitching of an intramolecular chiral stack in a helical tetrathiazole. <i>Chemical Communications</i> , 2016 , 52, 5171-4	5.8	79
143	Enantioselective Light Harvesting with Perylenediimide Guests on Self-Assembled Chiral Naphthalenediimide Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15053-15057	16.4	79
142	Optical and Electrochemical Properties of cis-1,2-Dicyano-1,2-bis(2,4,5-trimethyl-3-thienyl)ethene. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 6110-6114		71
141	Inversion of supramolecular chirality in bichromophoric perylene bisimides: influence of temperature and ultrasound. <i>Langmuir</i> , 2014 , 30, 6030-7	4	70
140	Nondestructive luminescence intensity readout of a photochromic lanthanide(III) complex. <i>Chemical Communications</i> , 2009 , 5630-2	5.8	65
139	Synthetic Control of the Excited-State Dynamics and Circularly Polarized Luminescence of Fluorescent "Push-Pull" Tetrathia[9]helicenes. <i>Chemistry - A European Journal</i> , 2016 , 22, 4263-73	4.8	62
138	Photochromism of triangle terthiophene derivatives as molecular re-router. <i>Chemical Communications</i> , 2004 , 72-3	5.8	62
137	Circularly polarized luminescence in chiral silver nanoclusters. <i>Chemical Communications</i> , 2017 , 53, 1269-1272	3.8	61
136	Three-dimensional erasable optical memory using a photochromic diarylethene single crystal as the recording medium. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2001 , 77, 30-35	4	61
135	Heteroleptic [Bis(oxazoline)](dipyrrinato)zinc(II) Complexes: Bright and Circularly Polarized Luminescence from an Originally Achiral Dipyrrinato Ligand. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1377-81	16.4	60
134	Ligand-to-Ligand Interactions That Direct Formation of D-Symmetrical Alternating Circular Helicate. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3683-3689	16.4	58

- 133 Self-Contained Photoacid Generator Triggered by Photocyclization of Triangle Terarylene Backbone. *Journal of the American Chemical Society*, **2015**, 137, 7023-6 16.4 56
- 132 Photochromic and fluorescence switching properties of oxidized triangle terarylenes in solution and in amorphous solid states. *Journal of Materials Chemistry*, **2011**, 21, 17425 55
- 131 Finely Controlled Circularly Polarized Luminescence of a Mechano-Responsive Supramolecular Polymer. *Angewandte Chemie - International Edition*, **2019**, 58, 18878-18882 16.4 52
- 130 Bis(dipyrinato)metal(ii) coordination polymers: crystallization, exfoliation into single wires, and electric conversion ability. *Chemical Science*, **2015**, 6, 2853-2858 9.4 52
- 129 Nona-coordinated chiral Eu(III) complexes with stereoselective ligand-ligand noncovalent interactions for enhanced circularly polarized luminescence. *Inorganic Chemistry*, **2012**, 51, 6476-85 5.1 52
- 128 Synthetic Control of Photophysical Process and Circularly Polarized Luminescence of [5]Carbohelicene Derivatives Substituted by Maleimide Units. *Journal of Physical Chemistry C*, **2016**, 120, 7860-7869 3.8 50
- 127 Efficient oxidative cycloreversion reaction of photochromic dithiazolythiazole. *Journal of the American Chemical Society*, **2012**, 134, 19877-83 16.4 50
- 126 Recent progress in development of photoacid generators. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2018**, 34, 41-51 16.4 48
- 125 Chiral supramolecular polymerization leading to eye differentiable circular polarization in luminescence. *Chemical Communications*, **2016**, 52, 9885-8 5.8 48
- 124 Water-Processable, Air-Stable Organic Nanoparticle-Carbon Nanotube Nanocomposites Exhibiting n-Type Thermoelectric Properties. *Small*, **2017**, 13, 1603420 11 47
- 123 Brilliant Triboluminescence of a Lanthanide Coordination Polymer with Low-Vibrational-Frequency and Non-Centrosymmetric Structural Networks. *European Journal of Inorganic Chemistry*, **2011**, 2011, 4978-4984 2.3 47
- 122 Characteristic Structures and Photophysical Properties of Nine-Coordinate Europium(III) Complexes with Tandem-Connected Tridentate Phosphane Oxide Ligands. *European Journal of Inorganic Chemistry*, **2009**, 2009, 4777-4785 2.3 47
- 121 Photochromism of Dithiazolyethenes Having Methoxy Groups at the Reaction Centers. *European Journal of Organic Chemistry*, **2002**, 2002, 3796-3800 3.2 46
- 120 Synthesis and photochemical reactions of photochromic terarylene having a leaving methoxy group. *Organic Letters*, **2009**, 11, 1475-8 6.2 43
- 119 Mechano-responsive circularly polarized luminescence of organic solid-state chiral emitters. *Chemical Science*, **2019**, 10, 843-847 9.4 42
- 118 Photochromic amorphous molecular materials based on dibenzothienylthiazole structure. *Journal of Materials Chemistry*, **2009**, 19, 3606 42
- 117 Access to Chiral Silicon Centers for Application to Circularly Polarized Luminescence Materials. *Journal of Organic Chemistry*, **2017**, 82, 6108-6117 4.2 39
- 116 Intramolecular Hydrogen Bonding in a Triangular Dithiazolyl-Azaindole for Efficient Photoreactivity in Polar and Nonpolar Solvents. *European Journal of Organic Chemistry*, **2011**, 2011, 5047-5053 3.2 39

115	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
114	Ionic liquid-based luminescent composite materials. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1401-1405	3.4	38
113	Self-Assembly and Enhanced Magnetic Properties of Three-Dimensional Superlattice Structures Composed of Cube-Shaped EuS Nanocrystals. <i>Chemistry of Materials</i> , 2010 , 22, 1776-1781	9.6	37
112	Visible Circularly Polarized Luminescence of Octanuclear Circular Eu(III) Helicate. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17653-17661	16.4	36
111	Synthesis and Photophysical Properties of a 13,13Bibenzo[b]perylene Derivative as a π -Extended 1,1SBinaphthyl Analog. <i>Organic Letters</i> , 2016 , 18, 2118-21	6.2	36
110	Protonation-induced red-coloured circularly polarized luminescence of [5]carbohelicene fused by benzimidazole. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6738-43	3.9	34
109	Solvent basicity promotes the hydride-mediated electron transfer doping of carbon nanotubes. <i>Chemical Communications</i> , 2017 , 53, 10259-10262	5.8	33
108	Self-Discriminating Termination of Chiral Supramolecular Polymerization: Tuning the Length of Nanofibers. <i>Angewandte Chemie</i> , 2015 , 127, 6041-6045	3.6	33
107	Photon-Quantitative Reaction of a Dithiazolylarylene in Solution. <i>Angewandte Chemie</i> , 2011 , 123, 1603-1606	3.6	32
106	Air-tolerant Fabrication and Enhanced Thermoelectric Performance of n-Type Single-walled Carbon Nanotubes Encapsulating 1,1SBis(diphenylphosphino)ferrocene. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2423-7	4.5	30
105	Substituent effects on the photochromic properties of benzothiophene-based derivatives. <i>Chemistry - A European Journal</i> , 2015 , 21, 8471-82	4.8	29
104	End-to-End Self-Assembly of Semiconductor Nanorods in Water by Using an Amphiphilic Surface Design. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2083-6	16.4	29
103	Circularly Polarized Luminescence from Inorganic Materials: Encapsulating Guest Lanthanide Oxides in Chiral Silica Hosts. <i>Chemistry - A European Journal</i> , 2018 , 24, 6519-6524	4.8	27
102	Ratiometric luminescence thermometry based on crystal-field alternation at the extremely narrow D ₂ F ₃ transition band of europium(III). <i>Chemical Communications</i> , 2014 , 50, 7937-40	5.8	27
101	Enantioselective Light Harvesting with Perylenediimide Guests on Self-Assembled Chiral Naphthalenediimide Nanofibers. <i>Angewandte Chemie</i> , 2017 , 129, 15249-15253	3.6	27
100	Photochromic properties of terarylene derivatives having a π -conjugation unit on central aromatic ring. <i>New Journal of Chemistry</i> , 2009 , 33, 1368	3.6	27
99	Holographic assembly of semiconductor CdSe quantum dots in polymer for volume Bragg grating structures with diffraction efficiency near 100%. <i>Applied Physics Letters</i> , 2009 , 95, 261109	3.4	27
98	Programmed Self-Assembly of Branched Nanocrystals with an Amphiphilic Surface Pattern. <i>ACS Nano</i> , 2017 , 11, 9312-9320	16.7	26

97	Photoactivatable europium luminescence turn-on by photo-oxygenation of β -diketone having pyrrole rings. <i>Chemical Communications</i> , 2017 , 53, 6748-6751	5.8	25
96	All-or-none switching of photon upconversion in self-assembled organogel systems. <i>Faraday Discussions</i> , 2017 , 196, 305-316	3.6	25
95	Dual Transient Bleaching of Au/PbS Hybrid Core/Shell Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1111-6	6.4	25
94	Photocatalytic fixation of carbon dioxide with conducting polymer. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992 , 88, 2041		24
93	Synthesis, Photophysical Properties, and Biological Evaluation of trans-Bisthioglycosylated Tetrakis(fluorophenyl)chlorin for Photodynamic Therapy. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 8658-70	8.3	23
92	A Smart Sensing Method for Object Identification Using Circularly Polarized Luminescence from Coordination-Driven Self-Assembly. <i>Angewandte Chemie</i> , 2018 , 130, 9111-9116	3.6	23
91	Electrical and optical properties of molecularly doped conducting polymers. <i>Synthetic Metals</i> , 1996 , 78, 301-312	3.6	23
90	Photon-Quantitative $6E$ Electrocyclization of a Diarylbenzo[b]thiophene in Polar Medium. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1725-30	4.5	22
89	Synergistic Impacts of Electrolyte Adsorption on the Thermoelectric Properties of Single-Walled Carbon Nanotubes. <i>Small</i> , 2017 , 13, 1700804	11	21
88	Chiral photoresponsive tetrathiazoles that provide snapshots of folding states. <i>Chemistry - A European Journal</i> , 2013 , 19, 16972-80	4.8	21
87	Efficient Self-Contained Photoacid Generator System Based on Photochromic Terarylenes. <i>Chemistry - A European Journal</i> , 2016 , 22, 16250-16257	4.8	21
86	A self-contained photoacid generator for super acid based on photochromic terarylene. <i>Chemical Communications</i> , 2017 , 53, 4339-4341	5.8	20
85	Inversion of Optical Activity in the Synthesis of Mercury Sulfide Nanoparticles: Role of Ligand Coordination. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12022-12026	16.4	19
84	Rapid preparation of highly luminescent CdTe nanocrystals in an ionic liquid via a microwave-assisted process. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8849		19
83	Reversible Photogeneration of a Stable Chiral Radical-Pair from a Fast Photochromic Molecule. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2680-2682	6.4	19
82	Anisotropic translational diffusion of single fluorescent perylene molecules in a nematic liquid crystal. <i>ChemPhysChem</i> , 2004 , 5, 1606-9	3.2	19
81	The Radiation-Induced Coloration of Amorphous Photochromic Dithienylethene Films. <i>Bulletin of the Chemical Society of Japan</i> , 2004 , 77, 1037-1040	5.1	19
80	Enantioseparation and chiral induction in Ag nanoclusters with intrinsic chirality. <i>Chemical Science</i> , 2020 , 11, 2394-2400	9.4	18

79	Hierarchical Emergence and Dynamic Control of Chirality in a Photoresponsive Dinuclear Complex. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2151-2157	6.4	18
78	Dual Photochemical Bond Cleavage for a Diarylethene-Based Phototrigger Containing both Methanolic and Acetic Sources. <i>Journal of Organic Chemistry</i> , 2016 , 81, 11282-11290	4.2	18
77	Metal-Ion Sensing Europium(III) Complexes with Bidentate Phosphine Oxide Ligands Containing a 2,2'-Bipyridine Framework. <i>Helvetica Chimica Acta</i> , 2009 , 92, 2238-2248	2	18
76	Fast and Efficient Oxidative Cycloreversion Reaction of a π -Extended Photochromic Terarylene. <i>Chemistry - A European Journal</i> , 2016 , 22, 10002-8	4.8	18
75	Photo-patternable electroluminescence based on one-way photoisomerization reaction of tetraoxidized triangle terarylenes. <i>Chemical Communications</i> , 2013 , 49, 6373-5	5.8	17
74	Synthesis and Photochromism of Amorphous Diarylethene Having Styryl Substituents. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 345, 251-255		17
73	Subsequent Chemical Reactions of Photochromic 4,5-Dibenzothienylthiazoles. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 4493-4500	3.2	16
72	Synthesis, optical and electrochemical properties of arylenevinylene-based π -conjugated polymers with imidazolium units in the main chain. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1895-1906	2.5	16
71	Dispersion of Synthetic MoS Flakes and Their Spontaneous Adsorption on Single-Walled Carbon Nanotubes. <i>ChemPlusChem</i> , 2015 , 80, 1158-1163	2.8	15
70	Finely Controlled Circularly Polarized Luminescence of a Mechano-Responsive Supramolecular Polymer. <i>Angewandte Chemie</i> , 2019 , 131, 19054-19058	3.6	15
69	Thickness-dependent thermoelectric power factor of polymer-functionalized semiconducting carbon nanotube thin films. <i>Science and Technology of Advanced Materials</i> , 2018 , 19, 581-587	7.1	14
68	Transfer of Chiral Information from Silica Hosts to Achiral Luminescent Guests: a Simple Approach to Accessing Circularly Polarized Luminescent Systems. <i>ChemPlusChem</i> , 2020 , 85, 619-626	2.8	14
67	Synthesis, structure, and properties of π -linked oligothiazoles with controlled sequence. <i>Chemistry - A European Journal</i> , 2014 , 20, 13722-9	4.8	13
66	The effect of surface ligands on the optical activity of mercury sulfide nanoparticles. <i>Nanoscale</i> , 2017 , 9, 11590-11595	7.7	13
65	Enhanced Thermoelectric Properties of Boron-Substituted Single-Walled Carbon Nanotube Films. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7235-7241	9.5	13
64	Photo-Lewis Acid Generator Based on Radical-Free π -Photo-Cyclization Reaction. <i>Journal of the American Chemical Society</i> , 2019 , 141, 20043-20047	16.4	11
63	Crystallinity-Dependent Thermoelectric Properties of a Two-Dimensional Coordination Polymer: Ni(π -2,3,6,7,10,11-hexamino-triphenylene) π . <i>Polymers</i> , 2018 , 10,	4.5	11
62	Synthesis and Photochromism of Chloro- and tert-Butyl-Functionalized Terarylene Derivatives for Surface Deposition. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 2451-2461	3.2	10

61	Fabrication of nanorods colloids of copper hexadecafluorophthalocyanine by nanosecond-pulse laser fragmentation in organic solvents. <i>Applied Surface Science</i> , 2019 , 478, 532-538	6.7	10
60	Photosynergetic amplification of radiation input: from efficient UV induced cycloreversion to sensitive X-ray detection. <i>Chemical Science</i> , 2020 , 11, 2504-2510	9.4	10
59	Aromaticity Relocation in Perylene Derivatives upon Two-Electron Oxidation To Form Anthracene and Phenanthrene. <i>Chemistry - A European Journal</i> , 2016 , 22, 14462-6	4.8	10
58	Stereoselective photoreaction in P-stereogenic dithiazolylbenzo[b]phosphole chalcogenides. <i>New Journal of Chemistry</i> , 2016 , 40, 10048-10055	3.6	10
57	Electrochemical n-type doping of carbon nanotube films by using supramolecular electrolytes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21896-21900	13	10
56	The Origin of the Emission Properties of π -Conjugated Molecules that have an Acid-responsive Benzimidazole Unit. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 230-238	3	10
55	Weak acid triggers the ring opening of an otherwise long-lived triangle terthiazole closed isomer. <i>New Journal of Chemistry</i> , 2009 , 33, 1386	3.6	10
54	Studies on Pyrene and Perylene Derivatives upon Oxidation and Application to a Higher Analogue. <i>Bulletin of the Chemical Society of Japan</i> , 2017 , 90, 667-677	5.1	9
53	OFF-ON-OFF Dual Emission at Visible and UV Wavelengths from Carbazole Functionalized π -Diketonate Europium(III) Complex. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 4131-8	2.8	9
52	Enhanced Photochemical Sensitivity in Photochromic Diarylethenes Based on a Benzothiophene/Thiophene Nonsymmetrical Structure. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 7165-7173	3.2	9
51	trans-Bisglycoconjugation is an Efficient and Robust Architecture for PDT Photosensitizers Based on 5,10,15,20-Tetrakis(pentafluorophenyl)porphyrin Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , 2013 , 86, 1295-1308	5.1	9
50	Self-assembled Tetranuclear Eu Complexes with π - and σ -Symmetrical Square Scaffold. <i>Inorganic Chemistry</i> , 2020 , 59, 12867-12875	5.1	9
49	Terarylenes as Photoactivatable Hydride Donors. <i>Journal of Organic Chemistry</i> , 2018 , 83, 13700-13706	4.2	9
48	Pressure-dependent guest binding and release on a supramolecular polymer. <i>Chemical Communications</i> , 2019 , 55, 5793-5796	5.8	8
47	Preparation of fusion materials based on ionic liquids and cationic gold nanoparticles. <i>Polymer Journal</i> , 2015 , 47, 171-176	2.7	8
46	Solid-state, individual dispersion of single-walled carbon nanotubes in ionic liquid-derived polymers and its impact on thermoelectric properties. <i>RSC Advances</i> , 2016 , 6, 2489-2495	3.7	8
45	Surfactant-driven Amphoteric Doping of Carbon Nanotubes. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3942-3946	4.9	8
44	Photophysical Properties of a Terarylene Photoswitch with a Donor-Acceptor Conjugated Bridging Unit. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 1638-1646	2.8	7

43	Scanning Tunneling Microscope Tip-Induced Formation of a Supramolecular Network of Terarylene Molecules on Cu(111). <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25384-25389	3.8	7
42	Synthesis of PbS/EuS Core/Shell Nanocrystals. <i>Chemistry Letters</i> , 2012 , 41, 412-414	1.7	7
41	Enhanced Enantioselectivity in the Synthesis of Mercury Sulfide Nanoparticles through Ostwald Ripening. <i>Chemistry of Materials</i> , 2020 , 32, 8412-8419	9.6	7
40	End-to-End Self-Assembly of Semiconductor Nanorods in Water by Using an Amphiphilic Surface Design. <i>Angewandte Chemie</i> , 2016 , 128, 2123-2126	3.6	7
39	Bisanthra-thianthrene: synthesis, structure and oxidation properties. <i>RSC Advances</i> , 2016 , 6, 70700-70703	3.7	7
38	Impact of Optical Purity on the Light Harvesting Property in Supramolecular Nanofibers. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4516-4521	6.4	6
37	Enhanced thermoelectric properties of semiconducting carbon nanotube films by UV/ozone treatment. <i>Journal of Applied Physics</i> , 2019 , 126, 135108	2.5	6
36	SWNT Composites with Compositionally Tunable Prussian Blue Nanoparticles for Thermoelectric Coordination Programming Materials. <i>Chemistry Letters</i> , 2014 , 43, 1254-1256	1.7	6
35	Curved aromatic corannulene as an efficient enhancer for n-type thermoelectric single-walled carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22969-22973	13	6
34	Photochromic Diarylethenes Designed for Surface Deposition: From Self-Assembled Monolayers to Single Molecules. <i>ChemPlusChem</i> , 2019 , 84, 564-577	2.8	5
33	Photochromic Terarylenes 2013 , 183-204		5
32	Molecular Rotor Functionalized with a Photoresponsive Brake. <i>Inorganic Chemistry</i> , 2021 , 60, 3492-3501	5.1	5
31	Solvation of quantum dots in 1-alkyl-1-methylpyrrolidinium ionic liquids: toward stably luminescent composites. <i>Science and Technology of Advanced Materials</i> , 2020 , 21, 187-194	7.1	4
30	A n-type Thermoelectric Generator Wrapped with Doped Single-walled Carbon Nanotube Sheets. <i>MRS Advances</i> , 2019 , 4, 147-153	0.7	3
29	Experimental and theoretical investigation of tetra-oxidized terarylenes with high-contrast fluorescence switching. <i>New Journal of Chemistry</i> , 2015 , 39, 7397-7402	3.6	3
28	Ionic Dopant-Encapsulating Single-Walled Carbon Nanotube Films with Metal-Like Electrical Conductivity. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 590-593	4.5	3
27	Adsorption of Terarylenes on Ag(111) and NaCl(001)/Ag(111): A Scanning Tunneling Microscopy and Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5978-5991	3.8	3
26	Restriction of the conrotatory motion in photo-induced 6π electrocyclic reaction: formation of the excited state of the closed-ring isomer in the cyclization.. <i>RSC Advances</i> , 2020 , 10, 20038-20045	3.7	2

25	Inversion of Optical Activity in the Synthesis of Mercury Sulfide Nanoparticles: Role of Ligand Coordination. <i>Angewandte Chemie</i> , 2018 , 130, 12198-12202	3.6	2
24	Synthesis and photoproperties of Eu(III)-bearing star polymers as luminescent materials. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 2527-2535	2.5	2
23	Photoluminescence and Electroluminescence in Combination of Rare-Earth Metal Complexes and Phosphorescent Molecules. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 965, 1		2
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21	Efficient NIR-I fluorescence photoswitching based on giant fluorescence quenching in photochromic nanoparticles. <i>Chemical Communications</i> , 2021 , 57, 5422-5425	5.8	2
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