

Tsuyoshi Kawai

List of Publications by Year in descending order

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177
papers

9,918
citations

36271

51
h-index

38368

95
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188
all docs

188
docs citations

188
times ranked

7675
citing authors

#	ARTICLE	IF	CITATIONS
1	A digital fluorescent molecular photoswitch. <i>Nature</i> , 2002, 420, 759-760.	13.7	1,098
2	Photoconductive Coaxial Nanotubes of Molecularly Connected Electron Donor and Acceptor Layers. <i>Science</i> , 2006, 314, 1761-1764.	6.0	642
3	Circularly Polarized Luminescence in Chiral Molecules and Supramolecular Assemblies. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3445-3452.	2.1	565
4	Chemical-Stimuli-Controllable Circularly Polarized Luminescence from Anion-Responsive π -Conjugated Molecules. <i>Journal of the American Chemical Society</i> , 2011, 133, 9266-9269.	6.6	385
5	Systematic Conversion of Single Walled Carbon Nanotubes into n-type Thermoelectric Materials by Molecular Dopants. <i>Scientific Reports</i> , 2013, 3, 3344.	1.6	320
6	Simple Salt-Coordinated n-Type Nanocarbon Materials Stable in Air. <i>Advanced Functional Materials</i> , 2016, 26, 3021-3028.	7.8	232
7	Circularly Polarized Luminescence in Chiral Aggregates: Dependence of Morphology on Luminescence Dissymmetry. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 316-321.	2.1	210
8	A photoresponsive laser dye containing photochromic dithienylethene units. <i>Chemical Communications</i> , 2001, , 711-712.	2.2	195
9	Optical Activity and Chiral Memory of Thiol-Capped CdTe Nanocrystals. <i>Journal of the American Chemical Society</i> , 2009, 131, 10342-10343.	6.6	186
10	Two-Step Synthesis of Boron-Fused Double Helicenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 5210-5213.	6.6	181
11	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.	7.2	174
12	Observation of Chiral Aggregate Growth of Perylene Derivative in Opaque Solution by Circularly Polarized Luminescence. <i>Organic Letters</i> , 2010, 12, 2362-2365.	2.4	165
13	Noncovalent Ligand-to-Ligand Interactions Alter Sense of Optical Chirality in Luminescent Tris(β^2 -diketonate) Lanthanide(III) Complexes Containing a Chiral Bis(oxazoliny) Pyridine Ligand. <i>Journal of the American Chemical Society</i> , 2011, 133, 9892-9902.	6.6	165
14	Photon-Quantitative Reaction of a Dithiazolylarylene in Solution. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1565-1568.	7.2	163
15	A Novel Photoresponsive π -Conjugated Polymer Based on Diarylethene and its Photoswitching Effect in Electrical Conductivity. <i>Advanced Materials</i> , 2005, 17, 309-314.	11.1	149
16	Novel Photochromic Molecules Based on 4,5-Dithienyl Thiazole with Fast Thermal Bleaching Rate. <i>Chemistry of Materials</i> , 2007, 19, 3479-3483.	3.2	148
17	Self-Discriminating Termination of Chiral Supramolecular Polymerization: Tuning the Length of Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5943-5947.	7.2	142
18	Circularly Polarized Luminescence of a Fluorescent Chiral Binaphthylene-Perylenebiscarboxydiimide Dimer. <i>ChemPhysChem</i> , 2007, 8, 1465-1468.	1.0	120

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19	Circularly Polarized Luminescence in Supramolecular Assemblies of Chiral Bichromophoric Perylene Bisimides. <i>Chemistry - A European Journal</i> , 2013, 19, 14090-14097.	1.7	119
20	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.	6.6	110
21	Enantioselective Light Harvesting with Perylenediimide Guests on Self-Assembled Chiral Naphthalenediimide Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15053-15057.	7.2	110
22	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.	2.1	107
23	Circularly Polarized Luminescence of Eu(III) Complexes with Point- and Axis-Chiral Ligands Dependent on Coordination Structures. <i>Inorganic Chemistry</i> , 2009, 48, 11242-11250.	1.9	106
24	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.	2.2	102
25	Photoswitching of an intramolecular chiral stack in a helical tetrathiazole. <i>Chemical Communications</i> , 2016, 52, 5171-5174.	2.2	99
26	Visible Circularly Polarized Luminescence of Octanuclear Circular Eu(III) Helicate. <i>Journal of the American Chemical Society</i> , 2020, 142, 17653-17661.	6.6	94
27	Refractive Index Changes of Amorphous Diarylethenes Containing 2,4-Diphenylphenyl Substituents. <i>Chemistry of Materials</i> , 2003, 15, 4539-4543.	3.2	92
28	Recent progress in development of photoacid generators. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2018, 34, 41-51.	5.6	90
29	Photochromism of Thiazole-Containing Triangle Terarylenes. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3212-3218.	1.2	89
30	Finely Controlled Circularly Polarized Luminescence of a Mechano-Responsive Supramolecular Polymer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18878-18882.	7.2	87
31	Inversion of Supramolecular Chirality in Bichromophoric Perylene Bisimides: Influence of Temperature and Ultrasound. <i>Langmuir</i> , 2014, 30, 6030-6037.	1.6	84
32	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, 4263-4273.	1.7	83
33	Circularly polarized luminescence in chiral silver nanoclusters. <i>Chemical Communications</i> , 2017, 53, 1269-1272.	2.2	82
34	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.	2.9	76
35	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, 1377-1381.	7.2	75
36	Ligand-to-Ligand Interactions That Direct Formation of <i>D</i> -Symmetrical Alternating Circular Helicate. <i>Journal of the American Chemical Society</i> , 2018, 140, 3683-3689.	6.6	73

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37	Access to Chiral Silicon Centers for Application to Circularly Polarized Luminescence Materials. <i>Journal of Organic Chemistry</i> , 2017, 82, 6108-6117.	1.7	69
38	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.	1.6	67
39	Nondestructive luminescence intensity readout of a photochromic lanthanide(III) complex. <i>Chemical Communications</i> , 2009, , 5630.	2.2	67
40	Photochromism of triangle terthiophene derivatives as molecular re-router Electronic supplementary information (ESI) available: analytical data for 1a, 2a and 3a. See http://www.rsc.org/suppdata/cc/b3/b311334e/ . <i>Chemical Communications</i> , 2004, , 72.	2.2	65
41	Nona-Coordinated Chiral Eu(III) Complexes with Stereoselective Ligand-Ligand Noncovalent Interactions for Enhanced Circularly Polarized Luminescence. <i>Inorganic Chemistry</i> , 2012, 51, 6476-6485.	1.9	65
42	Self-Contained Photoacid Generator Triggered by Photocyclization of Triangle Terarylene Backbone. <i>Journal of the American Chemical Society</i> , 2015, 137, 7023-7026.	6.6	65
43	Mechano-responsive circularly polarized luminescence of organic solid-state chiral emitters. <i>Chemical Science</i> , 2019, 10, 843-847.	3.7	64
44	Synthetic Control of Photophysical Process and Circularly Polarized Luminescence of [5]Carbohelicene Derivatives Substituted by Maleimide Units. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7860-7869.	1.5	63
45	Photochromic and fluorescence switching properties of oxidized triangle terarylenes in solution and in amorphous solid states. <i>Journal of Materials Chemistry</i> , 2011, 21, 17425.	6.7	60
46	Chiral supramolecular polymerization leading to eye differentiable circular polarization in luminescence. <i>Chemical Communications</i> , 2016, 52, 9885-9888.	2.2	60
47	Bis(dipyrrinato)metal(II) coordination polymers: crystallization, exfoliation into single wires, and electric conversion ability. <i>Chemical Science</i> , 2015, 6, 2853-2858.	3.7	59
48	Water-Processable, Air-Stable Organic Nanoparticle-Carbon Nanotube Nanocomposites Exhibiting n-Type Thermoelectric Properties. <i>Small</i> , 2017, 13, 1603420.	5.2	59
49	Characteristic Structures and Photophysical Properties of Nine-Coordinate Europium(III) Complexes with Tandem-Connected Tridentate Phosphane Oxide Ligands. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4777-4785.	1.0	55
50	Brilliant Triboluminescence of a Lanthanide Coordination Polymer with Low-Vibrational-Frequency and Non-Centrosymmetric Structural Networks. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4978-4984.	1.0	54
51	Efficient Oxidative Cycloreversion Reaction of Photochromic Dithiazolythiazole. <i>Journal of the American Chemical Society</i> , 2012, 134, 19877-19883.	6.6	54
52	Synthesis and Photochemical Reactions of Photochromic Terarylene Having a Leaving Methoxy Group. <i>Organic Letters</i> , 2009, 11, 1475-1478.	2.4	49
53	Photochromism of Dithiazolyethenes Having Methoxy Groups at the Reaction Centers. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 3796-3800.	1.2	48
54	Photochromic amorphous molecular materials based on dibenzothienylthiazole structure. <i>Journal of Materials Chemistry</i> , 2009, 19, 3606.	6.7	45

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55	A Smart Sensing Method for Object Identification Using Circularly Polarized Luminescence from Coordination-Driven Self-Assembly. <i>Angewandte Chemie</i> , 2018, 130, 9111-9116.	1.6	45
56	Intramolecular Hydrogen Bonding in a Triangular Dithiazolyl-Azaindole for Efficient Photoreactivity in Polar and Nonpolar Solvents. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5047-5053.	1.2	42
57	Solvent basicity promotes the hydride-mediated electron transfer doping of carbon nanotubes. <i>Chemical Communications</i> , 2017, 53, 10259-10262.	2.2	42
58	Circularly Polarized Luminescence from Inorganic Materials: Encapsulating Guest Lanthanide Oxides in Chiral Silica Hosts. <i>Chemistry - A European Journal</i> , 2018, 24, 6519-6524.	1.7	42
59	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.	3.2	40
60	Protonation-induced red-coloured circularly polarized luminescence of [5]carbohelicene fused by benzimidazole. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6738-6743.	1.5	39
61	Ionic liquid-based luminescent composite materials. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1401-1405.	1.6	38
62	Synthesis and Photophysical Properties of a 13,13-Benzo[<i>k</i>]perylene Derivative as an Extended 1,1-Binaphthyl Analog. <i>Organic Letters</i> , 2016, 18, 2118-2121.	2.4	38
63	Enantioselective separation and chiral induction in Ag ₂₉ nanoclusters with intrinsic chirality. <i>Chemical Science</i> , 2020, 11, 2394-2400.	3.7	37
64	Air-tolerant fabrication and enhanced thermoelectric performance of n-type single-walled carbon nanotubes encapsulating 1,1-bis(diphenylphosphino)ferrocene. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2423-2427.	1.7	36
65	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, .	1.5	34
66	Synergistic impacts of electrolyte adsorption on the thermoelectric properties of single-walled carbon nanotubes. <i>Small</i> , 2017, 13, 1700804.	5.2	34
67	End-to-end self-assembly of semiconductor nanorods in water by using an amphiphilic surface design. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2083-2086.	7.2	33
68	Enantioselective light harvesting with perylene diimide guests on self-assembled chiral naphthalene diimide nanofibers. <i>Angewandte Chemie</i> , 2017, 129, 15249-15253.	1.6	32
69	Programmed self-assembly of branched nanocrystals with an amphiphilic surface pattern. <i>ACS Nano</i> , 2017, 11, 9312-9320.	7.3	32
70	Photoactivatable europium luminescence turn-on by photo-oxygenation of β^2 -diketone having pyrrole rings. <i>Chemical Communications</i> , 2017, 53, 6748-6751.	2.2	31
71	Substituent effects on the photochromic properties of benzothiophene-based derivatives. <i>Chemistry - A European Journal</i> , 2015, 21, 8471-8482.	1.7	30
72	Photochromic properties of terarylene derivatives having a π -conjugation unit on central aromatic ring. <i>New Journal of Chemistry</i> , 2009, 33, 1368.	1.4	29

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73	Dual Transient Bleaching of Au/PbS Hybrid Core/Shell Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1111-1116.	2.1	29
74	Photon-Quantitative 6I-Electrocyclization of a Diarylbenzo[<i>b</i>]thiophene in Polar Medium. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1725-1730.	1.7	29
75	All-or-none switching of photon upconversion in self-assembled organogel systems. <i>Faraday Discussions</i> , 2017, 196, 305-316.	1.6	29
76	Finely Controlled Circularly Polarized Luminescence of a Mechano-Responsive Supramolecular Polymer. <i>Angewandte Chemie</i> , 2019, 131, 19054-19058.	1.6	29
77	Photocatalytic fixation of carbon dioxide with conducting polymer. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 2041.	1.7	28
78	Synthesis, Photophysical Properties, and Biological Evaluation of <i>trans</i> -Bisthioglycosylated Tetrakis(fluorophenyl)chlorin for Photodynamic Therapy. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8658-8670.	2.9	28
79	Efficient Self-Contained Photoacid Generator System Based on Photochromic Terarylenes. <i>Chemistry - A European Journal</i> , 2016, 22, 16250-16257.	1.7	28
80	Electrical and optical properties of molecularly doped conducting polymers. <i>Synthetic Metals</i> , 1996, 78, 301-312.	2.1	27
81	Ratiometric luminescence thermometry based on crystal-field alternation at the extremely narrow 5D0 → 7F2 transition band of europium(III). <i>Chemical Communications</i> , 2014, 50, 7937.	2.2	27
82	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.	1.7	25
83	A self-contained photoacid generator for super acid based on photochromic terarylene. <i>Chemical Communications</i> , 2017, 53, 4339-4341.	2.2	25
84	Hierarchical Emergence and Dynamic Control of Chirality in a Photoresponsive Dinuclear Complex. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2151-2157.	2.1	25
85	Photo-Lewis Acid Generator Based on Radical-Free 6I-Photo-Cyclization Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 20043-20047.	6.6	25
86	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.	1.3	25
87	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.	7.2	24
88	The Radiation-Induced Coloration of Amorphous Photochromic Dithienylethene Films. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 1037-1040.	2.0	22
89	Chiral Photoresponsive Tetrathiazoles That Provide Snapshots of Folding States. <i>Chemistry - A European Journal</i> , 2013, 19, 16972-16980.	1.7	21
90	Fast and Efficient Oxidative Cycloreversion Reaction of a 6I-Extended Photochromic Terarylene. <i>Chemistry - A European Journal</i> , 2016, 22, 10002-10008.	1.7	21

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91	Anisotropic Translational Diffusion of Single Fluorescent Perylene Molecules in a Nematic Liquid Crystal. <i>ChemPhysChem</i> , 2004, 5, 1606-1609.	1.0	20
92	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.	6.7	20
93	Photo-patternable electroluminescence based on one-way photoisomerization reaction of tetraoxidized triangle terarylenes. <i>Chemical Communications</i> , 2013, 49, 6373.	2.2	20
94	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.	1.0	19
95	Reversible Photogeneration of a Stable Chiral Radical-Pair from a Fast Photochromic Molecule. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2680-2682.	2.1	19
96	Subsequent Chemical Reactions of Photochromic 4,5-Dibenzothienylthiazoles. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4493-4500.	1.2	19
97	Dispersion of Synthetic MoS ₂ Flakes and Their Spontaneous Adsorption on Single-Walled Carbon Nanotubes. <i>ChemPlusChem</i> , 2015, 80, 1158-1163.	1.3	19
98	The effect of surface ligands on the optical activity of mercury sulfide nanoparticles. <i>Nanoscale</i> , 2017, 9, 11590-11595.	2.8	19
99	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.	2.8	19
100	Enhanced Enantioselectivity in the Synthesis of Mercury Sulfide Nanoparticles through Ostwald Ripening. <i>Chemistry of Materials</i> , 2020, 32, 8412-8419.	3.2	19
101	Aromaticity Relocation in Perylene Derivatives upon Two-Electron Oxidation To Form Anthracene and Phenanthrene. <i>Chemistry - A European Journal</i> , 2016, 22, 14462-14466.	1.7	18
102	Electrochemical n-type doping of carbon nanotube films by using supramolecular electrolytes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21896-21900.	5.2	18
103	Synthesis and Photochromism of Amorphous Diarylethene Having Styryl Substituents. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 345, 251-255.	0.3	17
104	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	17
105	Crystallinity-Dependent Thermoelectric Properties of a Two-Dimensional Coordination Polymer: Ni ₃ (2,3,6,7,10,11-hexaiminotriphenylene) ₂ . <i>Polymers</i> , 2018, 10, 962.	2.0	16
106	Enhanced Thermoelectric Properties of Boron-Substituted Single-Walled Carbon Nanotube Films. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7235-7241.	4.0	16
107	Terarylenes as Photoactivatable Hydride Donors. <i>Journal of Organic Chemistry</i> , 2018, 83, 13700-13706.	1.7	15
108	Self-assembled Tetranuclear Eu ^{III} Complexes with D ₂ - and C _{2h} -Symmetrical Square Scaffold. <i>Inorganic Chemistry</i> , 2020, 59, 12867-12875.	1.9	14

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109	Self-Regulated Pathway-Dependent Chirality Control of Silver Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14
110	Synthesis, Structure, and Properties of β -Linked Oligothiazoles with Controlled Sequence. <i>Chemistry - A European Journal</i> , 2014, 20, 13722-13729.	1.7	13
111	Stereoselective photoreaction in P-stereogenic dithiazolylbenzo[b]phosphole chalcogenides. <i>New Journal of Chemistry</i> , 2016, 40, 10048-10055.	1.4	13
112	Surfactant-driven Amphoteric Doping of Carbon Nanotubes. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3942-3946.	1.7	13
113	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.	2.0	12
114	<i>trans</i> -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.	2.0	11
115	Bisanthra-thianthrene: synthesis, structure and oxidation properties. <i>RSC Advances</i> , 2016, 6, 70700-70703.	1.7	11
116	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.	1.7	11
117	Synthesis and Photochromism of Chloro- and <i>tert</i> -Butyl-Functionalized Terarylene Derivatives for Surface Deposition. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2451-2461.	1.2	11
118	Enhanced thermoelectric properties of semiconducting carbon nanotube films by UV/ozone treatment. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	11
119	Fabrication of nanorods colloids of copper hexadecafluorophthalocyanine by nanosecond-pulse laser fragmentation in organic solvents. <i>Applied Surface Science</i> , 2019, 478, 532-538.	3.1	11
120	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.	5.2	11
121	Photosynergetic amplification of radiation input: from efficient UV induced cycloreversion to sensitive X-ray detection. <i>Chemical Science</i> , 2020, 11, 2504-2510.	3.7	11
122	Weak acid triggers the ring opening of an otherwise long-lived triangle terthiazole closed isomer. <i>New Journal of Chemistry</i> , 2009, 33, 1386.	1.4	10
123	The Origin of the Emission Properties of β -Conjugated Molecules that have an Acid-responsive Benzimidazole Unit. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 230-238.	1.3	10
124	Enhanced Photochemical Sensitivity in Photochromic Diarylethenes Based on a Benzothiophene/Thiophene Nonsymmetrical Structure. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7165-7173.	1.2	10
125	OFF-ON-OFF Dual Emission at Visible and UV Wavelengths from Carbazole Functionalized β -Diketone Europium(III) Complex. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4131-4138.	1.1	10
126	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.	1.5	10

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127	Molecular Rotor Functionalized with a Photoresponsive Brake. <i>Inorganic Chemistry</i> , 2021, 60, 3492-3501.	1.9	10
128	Photophysical Properties of a Terarylene Photoswitch with a Donor–Acceptor Conjugated Bridging Unit. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1638-1646.	1.1	9
129	Pressure-dependent guest binding and release on a supramolecular polymer. <i>Chemical Communications</i> , 2019, 55, 5793-5796.	2.2	9
130	Rational primary structure design for boosting the thermoelectric properties of semiconducting carbon nanotube networks. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	9
131	Preparation of fusion materials based on ionic liquids and cationic gold nanoparticles. <i>Polymer Journal</i> , 2015, 47, 171-176.	1.3	8
132	Impact of Optical Purity on the Light Harvesting Property in Supramolecular Nanofibers. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4516-4521.	2.1	8
133	Impact of Enantiomeric Ligand Composition on the Photophysical Properties of Chiral Ag ₂₉ Nanoclusters. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 834-840.	2.0	8
134	Ionic Dopant–Encapsulating Single-Walled Carbon Nanotube Films with Metal-Like Electrical Conductivity. <i>Chemistry - an Asian Journal</i> , 2020, 15, 590-593.	1.7	8
135	Chirality Induction in the Synthesis of Ag ₂₉ Nanoclusters with Asymmetric Structure. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27009-27015.	1.5	8
136	Synthesis of PbS/EuS Core/Shell Nanocrystals. <i>Chemistry Letters</i> , 2012, 41, 412-414.	0.7	7
137	SWNT Composites with Compositionally Tunable Prussian Blue Nanoparticles for Thermoelectric Coordination Programming Materials. <i>Chemistry Letters</i> , 2014, 43, 1254-1256.	0.7	7
138	End-to-End Self-Assembly of Semiconductor Nanorods in Water by Using an Amphiphilic Surface Design. <i>Angewandte Chemie</i> , 2016, 128, 2123-2126.	1.6	7
139	Energy Storage upon Photochromic 6- π Photocyclization and Efficient On-Demand Heat Release with Oxidation Stimuli. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11391-11398.	2.1	7
140	A π -type Thermoelectric Generator Wrapped with Doped Single-walled Carbon Nanotube Sheets. <i>MRS Advances</i> , 2019, 4, 147-153.	0.5	6
141	Photochromic Diarylethenes Designed for Surface Deposition: From Self-Assembled Monolayers to Single Molecules. <i>ChemPlusChem</i> , 2019, 84, 564-577.	1.3	6
142	Efficient NIR-I fluorescence photoswitching based on giant fluorescence quenching in photochromic nanoparticles. <i>Chemical Communications</i> , 2021, 57, 5422-5425.	2.2	6
143	Emergence of intense near-infrared photoluminescence by photoactivation of silver nanoclusters. <i>Chemical Communications</i> , 2021, 57, 6483-6486.	2.2	6
144	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.	2.8	5

#	ARTICLE	IF	CITATIONS
145	Enhanced reversible solid-state photoswitching of a cationic dithienylethene assembled with a polyoxometalate unit. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13072-13076.	2.7	5
146	Photochromic Terarylenes. , 2013, , 183-204.		5
147	Governing Factors for Carbon Nanotube Dispersion in Organic Solvents Estimated by Machine Learning. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
148	Experimental and theoretical investigation of tetra-oxidized terarylenes with high-contrast fluorescence switching. <i>New Journal of Chemistry</i> , 2015, 39, 7397-7402.	1.4	4
149	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.	1.5	4
150	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.	1.7	4
151	Chiral nanostructures derived from europium (Eu^{3+}) complexes for enhanced circularly polarised luminescence and antibacterial activity. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13954-13963.	2.7	4
152	Aqueous Photon Upconversion by Anionic Acceptors Self-Assembled on Cationic Bilayer Membranes with a Long Triplet Lifetime. <i>Organic Materials</i> , 2019, 01, 043-049.	1.0	3
153	Low background estimation of metallic-to-semiconducting carbon nanotube ratio by using infrared spectroscopy. <i>Synthetic Metals</i> , 2021, 282, 116958.	2.1	3
154	Chiral Dinuclear Eu III , Tb III , and Y III Complexes Supported by P-sterogenic Linear Tetraphosphine Tetraoxide. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
155	Tetrathienyl Corannulene Compounds with Highly Sensitive Photochromism. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
156	Photoluminescence and Electroluminescence in Combination of Rare-Earth Metal Complexes and Phosphorescent Molecules. <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1.	0.1	2
157	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
158	Inversion of Optical Activity in the Synthesis of Mercury Sulfide Nanoparticles: Role of Ligand Coordination. <i>Angewandte Chemie</i> , 2018, 130, 12198-12202.	1.6	2
159	Isolation of exfoliated boron nitride nanotubes via ethyl cellulose wrapping. <i>Nano Select</i> , 2021, 2, 1517-1524.	1.9	2
160	Femtosecond Pump-Probe, Single-Particle Spectroscopic Study on Excited-State Migration Dynamics of Copper Hexadecafluorophthalocyanine Nanorods. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27260-27266.	1.5	2
161	Photoisomerization of Covalently Attached Diarylethene on Locally Functionalized Single-Walled Carbon Nanotubes for Photoinduced Wavelength Switching of Near-Infrared Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10478-10486.	1.5	2
162	Circularly Polarized Luminescence and Circular Dichroism of Bichromophoric Difluoroboron-β-diketones: Inversion and Enhanced Chirality Based on Spatial Arrangements and Self-Assembly. <i>Chemistry - A European Journal</i> , 0, .	1.7	2

#	ARTICLE	IF	CITATIONS
163	Self-Regulated Pathway-Dependent Chirality Control of Silver Nanoclusters. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
164	Nonlinear optical responses of photopolymerizable CdSe quantum dot-polymer nanocomposites capable of holographically patterning photonic lattice structures. , 2012, , .		1
165	Efficient Photopolymerization of Diphenylamine Based on Ground-state Charge-transfer Complex. <i>Chemistry Letters</i> , 2013, 42, 324-326.	0.7	1
166	Carbon Nanotubes: Simple Salt-Coordinated n-Type Nanocarbon Materials Stable in Air (<i>Adv. Funct. Mater.</i>)	7.8	1
167	Carbon Nanotubes: Synergistic Impacts of Electrolyte Adsorption on the Thermoelectric Properties of Single-Walled Carbon Nanotubes (<i>Small</i> 29/2017). <i>Small</i> , 2017, 13, .	5.2	1
168	Systematic studies of structural variations in terarylene photohyride generators. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 397, 112594.	2.0	1
169	Frontispiece: Aromaticity Relocation in Perylene Derivatives upon Two-Electron Oxidation To Form Anthracene and Phenanthrene. <i>Chemistry - A European Journal</i> , 2016, 22, .	1.7	0
170	Organic Thermoelectrics: Water-Processable, Air-Stable Organic Nanoparticle-Carbon Nanotube Nanocomposites Exhibiting n-Type Thermoelectric Properties (<i>Small</i> 11/2017). <i>Small</i> , 2017, 13, .	5.2	0
171	Enantioselective Light Harvesting with Perylene-3,4,9,10-tetracarboxylic diimide Guests on Self-Assembled Chiral Naphthalene-1,4,5,8-tetracarboxylic diimide Nanofibers (<i>Angew. Chem.</i> 47/2017). <i>Angewandte Chemie</i> , 2017, 129, 15364-15364.	1.6	0
172	Circularly Polarized Luminescence from Inorganic Materials: Encapsulating Guest Lanthanide Oxides in Chiral Silica Hosts. <i>Chemistry - A European Journal</i> , 2018, 24, 6483-6483.	1.7	0
173	Supramolecular Carbon Nanotube Films Adaptive to Thermoelectrics. <i>Journal of Physics: Conference Series</i> , 2018, 1052, 012132.	0.3	0
174	Ruthenium complexes of sterically-hindered pentaarylcyclopentadienyl ligands. <i>RSC Advances</i> , 2021, 11, 20207-20215.	1.7	0
175	Supramolecular Copolymerization of Bichromophoric Chiral and Achiral Perylene-3,4,9,10-tetracarboxylic diimide Dyes. <i>Frontiers in Chemistry</i> , 2021, 9, 652703.	1.8	0
176	Photosynergetic Enhancement of Photosensitivity of Photochromic Terarylenes. , 2020, , 241-252.		0
177	Governing Factors for Carbon Nanotube Dispersion in Organic Solvents Estimated by Machine Learning (<i>Adv. Mater. Interfaces</i> 7/2022). <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	0