

Chiral intertwined spirals and magnetic transition dipole helicity

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Self-organizing materials built with DNA. MRS Bulletin, 2017, 42, 913-919.	1.7	19
2	Circular Polarized Luminescence of Hydrogen-Bonded Molecular Assemblies of Chiral Pyrene Derivatives. Journal of Physical Chemistry C, 2018, 122, 6323-6331.	1.5	55
3	Enantioselective Synthesis of Fully Benzenoid Single and Double Carbohelicenes via Gold-Catalyzed Intramolecular Hydroarylation. Chemistry - A European Journal, 2018, 24, 5434-5438.	1.7	48
4	Hierarchical Emergence and Dynamic Control of Chirality in a Photoresponsive Dinuclear Complex. Journal of Physical Chemistry Letters, 2018, 9, 2151-2157.	2.1	25
5	Synthesis of optically active π -stacked compounds based on planar chiral tetrasubstituted [2.2]paracyclophane. Materials Chemistry Frontiers, 2018, 2, 791-795.	3.2	19
6	Circularly Polarized Luminescence and Circular Dichroisms in Small Organic Molecules: Correlation between Excitation and Emission Dissymmetry Factors. ChemPhotoChem, 2018, 2, 386-402.	1.5	504
7	Synthesis of Single and Double Dibenzohelicenes by Rhodium-Catalyzed Intramolecular [2+2+2] and [2+1+2+1] Cycloaddition. Chemistry - A European Journal, 2018, 24, 6364-6370.	1.7	54
8	Rhodium-mediated enantioselective synthesis of a benzopicene-based phospho[9]helicene: the structure-property relationship of triphenylene- and benzopicene-based carbo- and phosphahelicenes. Materials Chemistry Frontiers, 2018, 2, 585-590.	3.2	24
9	Stereoisomerism and Structures of Rigid Cylindrical Cycloarylenes. Bulletin of the Chemical Society of Japan, 2018, 91, 907-921.	2.0	49
10	Hexa-peri-hexabenzo[7]helicene: Homogeneously π -Extended Helicene as a Primary Substructure of Helically Twisted Chiral Graphenes. Journal of the American Chemical Society, 2018, 140, 4317-4326.	6.6	151
11	Recent Theoretical and Experimental Progress in Circularly Polarized Luminescence of Small Organic Molecules. Molecules, 2018, 23, 3376.	1.7	101
12	Unexpected phenyl group rearrangement of Thiele's hydrocarbon derivative under polycyclic aromatic hydrocarbon synthesis. Tetrahedron Letters, 2018, 59, 4251-4254.	0.7	3
13	Synthesis of a Helical Analogue of Kekulene: A Flexible π -Expanded Helicene with Large Helical Diameter Acting as a Soft Molecular Spring. Journal of the American Chemical Society, 2018, 140, 15461-15469.	6.6	87
14	Concyclic CH arrays for single-axis rotations of a bowl in a tube. Nature Communications, 2018, 9, 3779.	5.8	59
15	Cycloparaphenylenes (CPPs): An Overview of Synthesis, Properties, and Potential Applications. Asian Journal of Organic Chemistry, 2018, 7, 2161-2181.	1.3	87
16	Significant Enhancement of Absorption and Luminescence Dissymmetry Factors in the Far-Red Region: A Zinc(II) Homoleptic Helicate Formed by a Pair of Achiral Dipyrromethene Ligands. Chemistry - A European Journal, 2018, 24, 16889-16894.	1.7	40
17	Ratchet-free solid-state inertial rotation of a guest ball in a tight tubular host. Nature Communications, 2018, 9, 1907.	5.8	43
18	Symmetry-based rational design for boosting chiroptical responses. Communications Chemistry, 2018, 1, .	2.0	153

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19	Chiroptical and Redox Properties of a Tetrathiafulvalene Analogue with an Inserted Spiro Framework. <i>Chemistry Letters</i> , 2018, 47, 989-992.	0.7	6
20	Chiral double stapled <i>o</i> -OPEs with intense circularly polarized luminescence. <i>Chemical Communications</i> , 2019, 55, 10685-10688.	2.2	41
21	Enhancement of the Photofunction of Phosphorescent Pt(II) Cyclometalated Complexes Driven by Substituents: Solid-State Luminescence and Circularly Polarized Luminescence. <i>Journal of Organic Chemistry</i> , 2019, 84, 10749-10756.	1.7	29
22	Axially Chiral <i>peri</i> -Xanthenoxanthenes as a Circularly Polarized Luminophore. <i>Journal of the American Chemical Society</i> , 2019, 141, 11852-11857.	6.6	72
23	Synthesis of Chemical- and Photo-responsive Circular Polarized Luminescent Molecules Based on Dynamic Changes of Molecular Structures. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2019, 77, 262-263.	0.0	0
24	Retarded Solid-State Rotations of an Oval-Shaped Guest in a Deformed Cylinder with CH ₂ Arrays. <i>Angewandte Chemie</i> , 2019, 131, 12298-12302.	1.6	10
25	Retarded Solid-State Rotations of an Oval-Shaped Guest in a Deformed Cylinder with CH ₂ Arrays. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12170-12174.	7.2	18
26	Chiroptical Properties of Oligophenylenes Anchoring with Stereogenic [2.2]Paracyclophane. <i>Chemistry Letters</i> , 2019, 48, 640-643.	0.7	20
27	A [2]Rotaxane-Based Circularly Polarized Luminescence Switch. <i>Journal of the American Chemical Society</i> , 2019, 141, 18064-18074.	6.6	120
28	Organic Free Radicals as Circularly Polarized Luminescence Emitters. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16282-16288.	7.2	82
29	Triarylborane-based [5]Helicenes with Full-Color Circularly Polarized Luminescence. <i>Organic Letters</i> , 2019, 21, 9569-9573.	2.4	51
30	Organic Free Radicals as Circularly Polarized Luminescence Emitters. <i>Angewandte Chemie</i> , 2019, 131, 16428-16434.	1.6	17
31	Mechano-responsive circularly polarized luminescence of organic solid-state chiral emitters. <i>Chemical Science</i> , 2019, 10, 843-847.	3.7	64
32	Synthesis and Characterization of a Pentiptycene-Derived Dual Oligoparaphenylene Nanohoop. <i>Angewandte Chemie</i> , 2019, 131, 3983-3987.	1.6	26
33	Narrowing Segments of Helical Carbon Nanotubes with Curved Aromatic Panels. <i>Angewandte Chemie</i> , 2019, 131, 7463-7467.	1.6	16
34	Lemniscular [16]Cycloparaphenylene: A Radially Conjugated Figure-Eight Aromatic Molecule. <i>Journal of the American Chemical Society</i> , 2019, 141, 7421-7427.	6.6	134
35	Significant Enhancement of Circularly Polarized Luminescence Dissymmetry Factors in Quinoline Oligoamide Foldamers with Absolute Helicity. <i>Organic Letters</i> , 2019, 21, 2555-2559.	2.4	47
36	Near-Infrared Circularly Polarized Luminescence through Intramolecular Excimer Formation of Oligo(<i>p</i> -phenyleneethynylene)-Based Double Helicates. <i>Chemistry - A European Journal</i> , 2019, 25, 9211-9216.	1.7	37

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37	Narrowing Segments of Helical Carbon Nanotubes with Curved Aromatic Panels. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7385-7389.	7.2	42
38	Main-Group-Based Electro- and Photoactive Chiral Materials. <i>Chemical Reviews</i> , 2019, 119, 8435-8478.	23.0	181
39	A diketopyrrolopyrrole-based macrocyclic conjugated molecule for organic electronics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3802-3810.	2.7	21
40	Finite phenine nanotubes with periodic vacancy defects. <i>Science</i> , 2019, 363, 151-155.	6.0	159
41	Synthesis and Characterization of a Pentiptycene- α -Derived Dual Oligoparaphenylene Nano hoop. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3943-3947.	7.2	74
42	Stereogenic cyclic oligonaphthalenes displaying ring size-dependent handedness of circularly polarized luminescence (CPL). <i>Chemical Communications</i> , 2019, 55, 2749-2752.	2.2	58
43	Amplified circularly polarized phosphorescence from co-assemblies of platinum(II) complexes. <i>Chemical Science</i> , 2019, 10, 1294-1301.	3.7	89
44	Selective Synthesis of Conjugated Chiral Macrocycles: Sidewall Segments of (S) / (R) - α - $\{12,4\}$ Carbon Nanotubes with Strong Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1619-1626.	7.2	85
45	Fluorescence Enhancement of Aromatic Macrocycles by Lowering Excited Singlet State Energies. <i>Journal of Organic Chemistry</i> , 2020, 85, 150-157.	1.7	13
46	Axial chiral binaphthalene-diketopyrrolopyrrole dyads as efficient far-red to near-infrared circularly polarized luminescent emitters. <i>Dyes and Pigments</i> , 2020, 173, 107998.	2.0	14
47	Selective Synthesis of Conjugated Chiral Macrocycles: Sidewall Segments of (S) / (R) - α - $\{12,4\}$ Carbon Nanotubes with Strong Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2020, 132, 1636-1643.	1.6	38
48	Axially Chiral Spiro-Conjugated Carbon-Bridged <i>p</i> -Phenylenevinylene Congeners: Synthetic Design and Materials Properties. <i>Journal of the American Chemical Society</i> , 2020, 142, 2059-2067.	6.6	54
49	Easily accessible axial chiral binaphthalene-triarylborane dyes displaying intense circularly polarized luminescence both in solution and in solid-state. <i>Dyes and Pigments</i> , 2020, 175, 108168.	2.0	13
50	Ring-Opened Hemiporphyrazines: Helical Molecules Exhibiting Circularly Polarized Luminescence. <i>Chemistry - A European Journal</i> , 2020, 26, 1768-1771.	1.7	15
51	Synthesis and Chiroptical Properties of Chiral Carbazole-Based BODIPYs. <i>Chemistry - A European Journal</i> , 2020, 26, 4261-4268.	1.7	23
52	Determining the Frequency of a Purely Electronic Transition from Optical Activity Spectra. <i>Journal of Applied Spectroscopy</i> , 2020, 87, 525-530.	0.3	4
53	Circularly Polarized Luminescence Designed from Molecular Orbitals: A Figure-Eight-Shaped [5]Helicene Dimer with D_2 Symmetry. <i>Organic Letters</i> , 2020, 22, 9276-9281.	2.4	69
54	1-Phosphino-1,3-butadiene Derivatives Incorporated with Dibenzobarrelene Skeleton: Synthesis and Photophysical Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1430-1442.	2.0	5

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55	Catalytic Enantioselective Synthesis and Switchable Chiroptical Property of Inherently Chiral Macrocycles. <i>Journal of the American Chemical Society</i> , 2020, 142, 14432-14436.	6.6	52
56	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
57	Circularly polarized luminescence of nanoassemblies <i>via</i> multi-dimensional chiral architecture control. <i>Nanoscale</i> , 2020, 12, 19497-19515.	2.8	49
58	Crystalline Naphthylene Macrocycles Capturing Gaseous Small Molecules in Chiral Nanopores. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3829-3835.	1.7	3
59	Giant intrinsic circular dichroism of enantiomorphic flat Chern bands and flatband devices. <i>Physical Review B</i> , 2020, 102, .	1.1	21
60	Enantioselective Synthesis of Planar Chiral Zigzag-Type Cyclophenylene Belts by Rhodium-Catalyzed Alkyne Cyclotrimerization. <i>Journal of the American Chemical Society</i> , 2020, 142, 9834-9842.	6.6	61
61	Propellerâ€‘Shaped Semiâ€‘fused Porphyrin Trimers: Molecularâ€‘Symmetryâ€‘Dependent Chiroptical Response. <i>Chemistry - A European Journal</i> , 2020, 26, 10217-10221.	1.7	7
62	Multiple Fused Anthracenes as Helical Polycyclic Aromatic Hydrocarbon Motif for Chiroptical Performance Enhancement. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2456-2461.	1.7	24
63	Circularly polarized luminescence from axially chiral binaphthalene-bridged BODIPY. <i>Dyes and Pigments</i> , 2020, 181, 108593.	2.0	21
64	Spiro-Conjugated Carbon/Heteroatom-Bridged <i>p</i>-Phenylenevinylens: Synthesis, Properties, and Microcrystal Electron Crystallographic Analysis of Racemic Solid Solutions. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 776-782.	2.0	13
65	Short-step synthesis and chiroptical properties of polyaza[5]â€‘[9]helicenes with blue to green-colour emission. <i>Chemical Communications</i> , 2020, 56, 4484-4487.	2.2	30
66	The Structural Origins of Intense Circular Dichroism in a Wagging Helicene Nanoribbon. <i>Journal of the American Chemical Society</i> , 2020, 142, 7066-7074.	6.6	62
67	Temperature-Dependent Circularly Polarized Luminescence Measurement Using KBr Pellet Method. <i>Frontiers in Chemistry</i> , 2020, 8, 527.	1.8	14
68	Beyond Chiral Organic (p-Block) Chromophores for Circularly Polarized Luminescence: The Success of d-Block and f-Block Chiral Complexes. <i>Frontiers in Chemistry</i> , 2020, 8, 555.	1.8	73
69	Azaheliceneâ€‘Fused BODIPY Analogues Showing Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7813-7817.	7.2	102
70	Supramolecular Polymerization and Functions of Isoxazole Ring Monomers. <i>Chemistry Letters</i> , 2020, 49, 574-584.	0.7	20
71	Azaheliceneâ€‘Fused BODIPY Analogues Showing Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2020, 132, 7887-7891.	1.6	36
72	Figureâ€‘eight Octaphyrin Bisâ€‘Ge(IV) Complexes: Synthesis, Structures, Aromaticity, and Chiroptical Properties. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1440-1448.	1.7	13

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73	Rational Design of Axially Chiral Platinabinaphthalenes with Aggregation-Induced Emission for Red Circularly Polarized Phosphorescent Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 9520-9527.	4.0	70
74	Chiroptical Spectroscopic Studies on Lanthanide Complexes with Valinamide Derivatives in Solution. ChemPlusChem, 2020, 85, 294-300.	1.3	14
75	Circularly Polarized Luminescence of Isolated Small Organic Molecules. , 2020, , .		71
76	Simple Perylene Diimide Cyclohexane Derivative With Combined CPL and TPA Properties. Frontiers in Chemistry, 2020, 8, 306.	1.8	15
77	Aggregation-Induced Circularly Polarized Luminescence from Boron Complexes with a Carbazolyl Schiff Base. Chemistry - A European Journal, 2020, 26, 13016-13021.	1.7	23
78	Circularly Polarized Luminescence of a Stereogenic Curved Paraphenylene Anchoring a Chiral Binaphthyl in Solution and Solid State. Chemistry - A European Journal, 2021, 27, 1323-1329.	1.7	30
79	Dinuclear Triple-Stranded Helicates Composed of Tetradentate Ligands with Aluminum(III) Chromophores: Optical Resolution and Multi-color Circularly Polarized Luminescence Properties. Angewandte Chemie - International Edition, 2021, 60, 2614-2618.	7.2	33
80	Strong-Induced CPL Emission Promoted from Achiral Conjugated Polymer-Containing Emissive Nematic Liquid Crystals (P*LCs). Macromolecular Rapid Communications, 2021, 42, e2000548.	2.0	18
81	Fullerene Desymmetrization as a Means to Achieve Single-Enantiomer Electron Acceptors with Maximized Chiroptical Responsiveness. Advanced Materials, 2021, 33, e2004115.	11.1	35
82	Circularly Polarized Luminescence of a Stereogenic Curved Paraphenylene Anchoring a Chiral Binaphthyl in Solution and Solid State. Chemistry - A European Journal, 2021, 27, 1164-1164.	1.7	6
83	Dinuclear Triple-Stranded Helicates Composed of Tetradentate Ligands with Aluminum(III) Chromophores: Optical Resolution and Multi-color Circularly Polarized Luminescence Properties. Angewandte Chemie, 2021, 133, 2646-2650.	1.6	8
84	Conjugated Nano hoops Incorporating Donor, Acceptor, Hetero- or Polycyclic Aromatics. Angewandte Chemie, 2021, 133, 15877-15900.	1.6	21
85	A Case Study of Stereoisomerism with [6]Cyclo[4]helicenylenes. Chemistry Letters, 2021, 50, 110-112.	0.7	4
86	2-(Dimesitylboryl)phenyl-Substituted [2.2]Paracyclophanes Featuring Intense and Sign-Invertible Circularly Polarized Luminescence. Organic Letters, 2021, 23, 2-7.	2.4	44
87	Conjugated Nano hoops Incorporating Donor, Acceptor, Hetero- or Polycyclic Aromatics. Angewandte Chemie - International Edition, 2021, 60, 15743-15766.	7.2	108
88	Circularly Polarized Luminescence (CPL) Based on Planar Chiral [2.2]Paracyclophane. , 2021, , 343-374.		2
89	Pyridinylphosphorothioate-based blue iridium(III) complex with double chiral centers for circularly polarized electroluminescence. Journal of Materials Chemistry C, 2021, 9, 5244-5249.	2.7	21
90	Thiophene-Fused Naphthodiphospholes: Modulation of the Structural and Electronic Properties of Polycyclic Aromatics by Precise Fusion of Heteroles. ChemPlusChem, 2021, 86, 130-136.	1.3	2

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91	Asymmetric synthesis, structures, and chiroptical properties of helical cycloparaphenylenes. <i>Chemical Science</i> , 2021, 12, 7858-7865.	3.7	33
92	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
93	Small Figureâ€ƒEight Luminophores: Doubleâ€ƒTwisted Tethered Cyclic Binaphthyls Boost Circularly Polarized Luminescence. <i>Chemistry - A European Journal</i> , 2021, 27, 5923-5929.	1.7	37
94	Small Figureâ€ƒEight Luminophores: Doubleâ€ƒTwisted Tethered Cyclic Binaphthyls Boost Circularly Polarized Luminescence. <i>Chemistry - A European Journal</i> , 2021, 27, 5834-5834.	1.7	3
95	Synthesis and Optical Properties of Axially Chiral Bibenzo[<i>b</i>]carbazole Derivatives. <i>Organic Letters</i> , 2021, 23, 1349-1354.	2.4	16
96	Synthesis and Chiroptical Properties of Quinoxalineâ€ƒFused Polyaza[5]â€ƒ[7]helicenes with Orangeâ€ƒColor CPL Emissions. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100016.	1.0	5
97	Circularly Polarized Luminescence Liquids Based on Siloxybinaphthyls: Best Binaphthyl Dihedral Angle in the Excited State. <i>Angewandte Chemie</i> , 2021, 133, 10056-10060.	1.6	18
98	Twist to Boost: Circumventing Quantum Yield and Dissymmetry Factor Trade-Off in Circularly Polarized Luminescence. <i>Inorganic Chemistry</i> , 2021, 60, 7738-7752.	1.9	24
99	Circularly Polarized Luminescence Liquids Based on Siloxybinaphthyls: Best Binaphthyl Dihedral Angle in the Excited State. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9968-9972.	7.2	43
100	Bright Longâ€ƒLived Circularly Polarized Luminescence in Chiral Chromium(III) Complexes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10095-10102.	7.2	60
101	Bright Longâ€ƒLived Circularly Polarized Luminescence in Chiral Chromium(III) Complexes. <i>Angewandte Chemie</i> , 2021, 133, 10183-10190.	1.6	14
102	Deep-red circularly polarised luminescent C70 derivatives. <i>Scientific Reports</i> , 2021, 11, 12072.	1.6	8
103	Manipulations of Chiroptical Properties in Beltâ€ƒPersistent Cycloarylenes via Desymmetrization with Heteroatom Doping. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19097-19101.	7.2	22
104	Manipulations of Chiroptical Properties in Beltâ€ƒPersistent Cycloarylenes via Desymmetrization with Heteroatom Doping. <i>Angewandte Chemie</i> , 2021, 133, 19245-19249.	1.6	9
105	Endohedral functionalization of chiral metal-organic cages for encapsulating achiral dyes to induce circularly polarized luminescence. <i>CheM</i> , 2021, 7, 2771-2786.	5.8	74
106	A hybrid molecular peapod of sp ² - and sp ³ -nanocarbons enabling ultrafast terahertz rotations. <i>Nature Communications</i> , 2021, 12, 5062.	5.8	12
107	Chiral Triarylboraneâ€ƒBased Small Organic Molecules for Circularly Polarized Luminescence. <i>Chemical Record</i> , 2022, 22, .	2.9	9
108	Synthesis and Chiral Resolution of Twisted Carbon Nanobelts. <i>Journal of the American Chemical Society</i> , 2021, 143, 15924-15929.	6.6	55

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109	Double Heterohelicenes Composed of Benzo[b]- and Dibenzo[b,i]phenoxazine: A Comprehensive Comparison of Their Electronic and Chiroptical Properties. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9283-9292.	2.1	10
110	Helical Oligophenylene Linked with [2.2]Paracyclophane: Stereogenic π -Conjugated Dye for Highly Emissive Chiroptical Properties. <i>Chemistry - A European Journal</i> , 2021, 27, 16225-16231.	1.7	17
111	Circularly Polarized Luminescence in Chiral π -Conjugated Macrocycles. <i>ChemPhotoChem</i> , 2021, 5, 1042-1058.	1.5	60
112	Organic Chiral Spin-Optics: The Interaction between Spin and Photon in Organic Chiral Materials. <i>Advanced Optical Materials</i> , 2021, 9, 2101201.	3.6	14
113	Pathways to increase the dissymmetry in the interaction of chiral light and chiral molecules. <i>Chemical Science</i> , 2021, 12, 8589-8602.	3.7	127
114	Expanded Helicenes as Synthons for Chiral Macrocyclic Nanocarbons. <i>Journal of the American Chemical Society</i> , 2020, 142, 11084-11091.	6.6	45
115	Chirality Amplified: Long, Discrete Helicene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2021, 143, 983-991.	6.6	85
116	Boosting Circularly Polarized Luminescence of Organic Conjugated Systems <i>via</i> Twisted Intramolecular Charge Transfer. <i>Research</i> , 2020, 2020, 3839160.	2.8	27
117	Photofunctional Organosilicon Compounds. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2020, 76, 31-39.	0.1	9
118	Red circularly polarized luminescence from intramolecular excimers restricted by chiral aromatic foldamers. <i>Chemical Communications</i> , 2021, 57, 12016-12019.	2.2	6
119	Development of Multipotent Organic Materials with Macrocyclic Aromatic Molecules. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2019, 77, 4-12.	0.0	0
120	Circularly Polarized Luminescence of Chirally Arranged Achiral Organic Luminophores by Covalent and Supramolecular Methods. , 2020, , 197-218.		2
121	3D Boranil Complexes with Aggregation-Amplified Circularly Polarized Luminescence. <i>Journal of Organic Chemistry</i> , 2021, 86, 16707-16715.	1.7	15
122	A Defective Nanotube Molecule of C ₅₅₂ H ₄₉₆ N ₂₄ with Pyridinic and Pyrrolic Nitrogen Atoms. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
123	A Defective Nanotube Molecule of C ₅₅₂ H ₄₉₆ N ₂₄ with Pyridinic and Pyrrolic Nitrogen Atoms. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	8
124	Cyclodextrins with Multiple Pyrenyl Groups: An Approach to Organic Molecules Exhibiting Bright Excimer Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2022, 134, e202114700.	1.6	15
125	Cyclodextrins with Multiple Pyrenyl Groups: An Approach to Organic Molecules Exhibiting Bright Excimer Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114700.	7.2	39
126	Tuning the (Chir)Optical Properties and Squeezing out the Inherent Chirality in Polyphenylene-locked Helical Carbon Nanorings. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	18

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127	Enhancement of Chiroptical Responses of <i>trans</i> -Bis[(² -aminomethyl)naphthoxy]platinum(II) Complexes with Distorted Square Planar Coordination Geometry. <i>ChemistryOpen</i> , 2022, 11, e202100277.	0.9	10
128	Molecular design to enhance binaphthyl-based chiroptics using organoboron chemistry in isomeric chiral scaffolds. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1816-1824.	2.7	8
129	Co-assembling system that exhibits bright circularly polarized luminescence. <i>Materials Advances</i> , 2022, 3, 3123-3127.	2.6	3
130	Helicity Modulation in NIR-Absorbing Porphyrin-Ryleneimides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	9
131	Nanosized Carbon Macrocycles Based on a Planar Chiral Pseudo <i>meta</i> -[2.2]Paracyclophane. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	26
132	Circularly polarized luminescence in chiral materials. <i>Matter</i> , 2022, 5, 837-875.	5.0	100
133	Helicity Modulation in NIR-Absorbing Porphyrin-Ryleneimides. <i>Angewandte Chemie</i> , 0, , .	1.6	4
134	[5]Helicene-based chiral triarylboranes with large luminescence dissymmetry factors over a 10 ² level: synthesis and design strategy <i>via</i> isomeric tuning of steric substitutions. <i>Dalton Transactions</i> , 2022, 51, 6226-6234.	1.6	6
135	Synthesis of Cyclophenacene and Chiral-Type Cyclophenylene-Naphthylene Belts. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	18
136	Synthesis of Cyclophenacene and Chiral-Type Cyclophenylene-Naphthylene Belts. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
137	1,4-Phenylene-Incorporated Decaphyrin(1.0.1.0.0.1.0.1.0.0): Synthesis, Structure, and Topological Chirality. <i>Organic Letters</i> , 2022, 24, 2509-2514.	2.4	12
138	A large-bore chiral cylindrical molecule prone to radial deformations. <i>Tetrahedron Letters</i> , 2022, , 153774.	0.7	2
139	Crystalline materials with functional nanopores. <i>Japanese Journal of Pesticide Science</i> , 2021, 46, 160-167.	0.0	0
141	Highly Fluorescent Bipyrrrole-Based Tetra ₂ Flag-Hinge Chromophores: Achieving Multicolor and Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19
142	Emerging applications of curved aromatic compounds. <i>Trends in Chemistry</i> , 2022, 4, 573-576.	4.4	9
143	Binaphthyl-Bridged Pyrenophanes: Intense Circularly Polarized Luminescence Based on a <i>D</i> ₂ Symmetry Strategy. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6
144	Highly Fluorescent Bipyrrrole-Based Tetra ₂ Flag-Hinge Chromophores: Achieving Multicolor and Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
145	Binaphthyl-Bridged Pyrenophanes: Intense Circularly Polarized Luminescence Based on a <i>D</i> ₂ Symmetry Strategy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	30

#	ARTICLE	IF	CITATIONS
146	Fluorescent cyclophanes and their applications. <i>Chemical Society Reviews</i> , 2022, 51, 5557-5605.	18.7	43
147	Multi-colour circularly polarized luminescence properties of chiral Schiff-base boron difluoride complexes. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 15502-15510.	1.3	9
148	Nanographenes and Graphene Nanoribbons as Multitalents of Present and Future Materials Science. <i>Journal of the American Chemical Society</i> , 2022, 144, 11499-11524.	6.6	88
149	Boosting Circularly Polarized Luminescence Performance by a Double π -Helix and Heteroannulation. <i>Journal of the American Chemical Society</i> , 2022, 144, 11397-11404.	6.6	50
150	Circularly Polarized Luminescence and Circular Dichroism of Bichromophoric Difluoroboron β -diketonates: Inversion and Enhanced Chirality Based on Spatial Arrangements and Self-Assembly. <i>Chemistry - A European Journal</i> , 0, , .	1.7	2
151	Discrete Macrocycles with Fixed Chirality and Two Distinct Sides: Dipole-Dependent Chiroptical Response. <i>Angewandte Chemie</i> , 0, , .	1.6	0
152	Discrete Macrocycles with Fixed Chirality and Two Distinct Sides: Dipole-Dependent Chiroptical Response. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14
153	Aggregation-Induced Emission and Circularly Polarized Luminescence Duality in Tetracationic Binaphthyl-Based Cyclophanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	15
154	Programming and Dynamic Control of the Circular Polarization of Luminescence from an Achiral Fluorescent Dye in a Liquid Crystal Host by Molecular Motors. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	11
155	Programming and Dynamic Control of the Circular Polarization of Luminescence from an Achiral Fluorescent Dye in a Liquid Crystal Host by Molecular Motors. <i>Angewandte Chemie</i> , 0, , .	1.6	0
157	Aggregation-Induced Emission and Circularly Polarized Luminescence Duality in Tetracationic Binaphthyl-Based Cyclophanes. <i>Angewandte Chemie</i> , 0, , .	1.6	0
158	Effect of Oxidation on the Chiroptical Properties of Sulfur-Bridged Binaphthyl Dimers. <i>Journal of Organic Chemistry</i> , 2022, 87, 12315-12322.	1.7	0
159	Molecular sensors producing circularly polarized luminescence responses. <i>Dyes and Pigments</i> , 2023, 208, 110786.	2.0	9
160	Chiral Open-[60]Fullerene Ligands with Giant Dissymmetry Factors. <i>Journal of the American Chemical Society</i> , 2022, 144, 18829-18833.	6.6	10
161	Tuning the Circularly Polarized Luminescence of Supramolecules via Self-Assembly Morphology Control. <i>ACS Macro Letters</i> , 2022, 11, 1174-1182.	2.3	8
162	Multiply Twisted Chiral Macrocycles Clamped by Tethered Binaphthyls Exhibiting High Circularly Polarized Luminescence Brightness. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	16
163	Cyclic arrays of five pyrenes on one rim of a planar chiral pillar[5]arene. <i>Chemical Science</i> , 2022, 13, 13147-13152.	3.7	13
164	Vortex Flow-Controlled Circularly Polarized Luminescence of Achiral Pt(II) Complex Aggregates Assembled at the Air-Water Interface. <i>Small Methods</i> , 2022, 6, .	4.6	12

#	ARTICLE	IF	CITATIONS
165	Diâ€²,7â€²Pyrenidecaphyrin(1.1.0.0.0.1.1.0.0.0) and Its Bisâ€²Organopalladium Complexes: Synthesis and Chiroptical Properties. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	8
166	Diâ€²,7â€²Pyrenidecaphyrin(1.1.0.0.0.1.1.0.0.0) and Its Bisâ€²Organopalladium Complexes: Synthesis and Chiroptical Properties. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
167	External environment sensitive circularly polarized luminescence properties of a chiral boron difluoride complex. <i>RSC Advances</i> , 2022, 12, 34790-34796.	1.7	5
168	Syntheses and Properties of Heteroatom-Doped Conjugated Nanohoops. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 3437.	0.6	4
169	Color-tuning and boosting circularly polarized luminescence performance of axially chiral tetra-BF ₂ complexes by post-modifications. <i>Journal of Materials Chemistry C</i> , 2023, 11, 2574-2581.	2.7	4
170	Carbon-rich macrocycles and carbon nanoribbons as unique optical materials. <i>Journal of Materials Chemistry C</i> , 2023, 11, 4267-4287.	2.7	1
171	Novel chiral 1,4-bis(i ² -cyanostyryl)benzene liquid crystals with high circularly polarized luminescence tuned by length of alkyl chains. <i>Journal of Molecular Liquids</i> , 2023, 381, 121811.	2.3	0
172	Highly Strained Oxygenâ€²Doped Chiral Molecular Belts of the Zigzagâ€²Type with Strong Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	7
173	Highly Strained Oxygenâ€²Doped Chiral Molecular Belts of the Zigzagâ€²Type with Strong Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
174	Facile Synthesis and Chiral Resolution of Expanded Helicenes with up to 35 <i>cata</i> Fused Benzene Rings**. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
175	Facile Synthesis and Chiral Resolution of Expanded Helicenes with up to 35 <i>cata</i> Fused Benzene Rings**. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	12
176	Aggregationâ€²induced emission polymer systems with circularly polarized luminescence. <i>Aggregate</i> , 2023, 4, .	5.2	14
177	NIRâ€²Circularly Polarized Luminescence from Chiral Complexes of Lanthanides and dâ€²Metals. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	3
178	NIRâ€²Circularly Polarized Luminescence from Chiral Complexes of Lanthanides and dâ€²Metals. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	7
179	[<i>n</i>]Cycloparaphenyleneâ€²Pillar[5]arene Bismacrocycles: Their Circularly Polarized Luminescence and Multiple Guest Recognition Properties. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	11
180	[<i>n</i>]Cycloparaphenyleneâ€²Pillar[5]arene Bismacrocycles: Their Circularly Polarized Luminescence and Multiple Guest Recognition Properties. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
204	A donorâ€²acceptor cage for circularly polarized TADF emission. <i>Chemical Communications</i> , 2024, 60, 1758-1761.	2.2	0