

# Chuan-Feng Chen

## List of Publications by Year in Descending Order

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

160  
papers

6,577  
citations

43  
h-index

76  
g-index

177  
ext. papers

8,197  
ext. citations

7.2  
avg. IF

6.81  
L-index

#	Paper	IF	Citations
160	Advances in circularly polarized luminescent materials based on axially chiral compounds. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2022</b> , 50, 100500	16.4	1
159	Supramolecular tessellations by the exo-wall interactions of pagoda[4]arene. <i>Nature Communications</i> , <b>2021</b> , 12, 6378	17.4	3
158	Frontiers in circularly polarized luminescence: molecular design, self-assembly, nanomaterials, and applications. <i>Science China Chemistry</i> , <b>2021</b> , 64, 2060	7.9	46
157	Recent advances on triptycene derivatives in supramolecular and materials chemistry. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 10047-10067	3.9	3
156	D- $\pi$ -A type planar chiral TADF materials for efficient circularly polarized electroluminescence. <i>Materials Horizons</i> , <b>2021</b> , 8, 3417-3423	14.4	4
155	Towards the Highly Efficient Synthesis and Selective Methylation of C(sp <sup>2</sup> )-Bridged [6]Cycloparaphenylenes from Fluoren[3]arenes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13021-13028	16.4	14
154	Towards the Highly Efficient Synthesis and Selective Methylation of C(sp <sup>3</sup> )-Bridged [6]Cycloparaphenylenes from Fluoren[3]arenes. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13131-13138	3.6	5
153	A Green Fluorescent Nitrogen-Doped Aromatic Belt Containing a [6]Cycloparaphenylene Skeleton. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 15419-15423	3.6	2
152	A Green Fluorescent Nitrogen-Doped Aromatic Belt Containing a [6]Cycloparaphenylene Skeleton. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15291-15295	16.4	6
151	Propeller Configuration Flipping of the Trivalent Boron-Inducing Substituent Dependence of the Circularly Polarized Luminescence Sign in Triarylborane-Based [7]Helicenes. <i>Organic Letters</i> , <b>2021</b> , 23, 4759-4763	6.2	1
150	Aromatic-imide-based TADF material as emitter for efficient yellow and white organic light-emitting diodes. <i>Organic Electronics</i> , <b>2021</b> , 88, 106017	3.5	5
149	Quinoline-based TADF emitters exhibiting aggregation-induced emission for efficient non-doped organic light-emitting diodes. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 834-842	7.8	10
148	Thermally activated delayed fluorescence material-sensitized helicene enantiomer-based OLEDs: a new strategy for improving the efficiency of circularly polarized electroluminescence. <i>Science China Materials</i> , <b>2021</b> , 64, 899-908	7.1	17
147	Quinoline-based aggregation-induced delayed fluorescence materials for highly efficient non-doped organic light-emitting diodes. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 740-744	8.1	13
146	Triptycene-derived heterocalixarene: A new type of macrocycle-based stationary phases for gas chromatography. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 2043-2046	8.1	5
145	High-Efficiency Circularly Polarized Electroluminescence from TADF-Sensitized Fluorescent Enantiomers. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20896-20901	3.6	3
144	Saucer[n]arenes: Synthesis, Structure, Complexation, and Guest-Induced Circularly Polarized Luminescence Property. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 22098-22104	3.6	1

143	High-Efficiency Circularly Polarized Electroluminescence from TADF-Sensitized Fluorescent Enantiomers. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 20728-20733	16.4	18
142	Saucer[n]arenes: Synthesis, Structure, Complexation, and Guest-Induced Circularly Polarized Luminescence Property. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 21927-21933	16.4	5
141	Chiral TADF-Active Polymers for High-Efficiency Circularly Polarized Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23811	3.6	4
140	Chiral TADF-Active Polymers for High-Efficiency Circularly Polarized Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23619-23624	16.4	20
139	Triptycene-derived TADF enantiomers displaying circularly polarized luminescence and high-efficiency electroluminescence. <i>Organic Electronics</i> , <b>2021</b> , 99, 106355	3.5	0
138	Synthesis of Chiral Helic[1]triptycene[3]arenes and Their Enantioselective Recognition Towards Chiral Guests Containing Aminoindan Groups. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
137	3,6-Fluoren[5]arenes: synthesis, structure and complexation with fullerenes C and C. <i>Chemical Communications</i> , <b>2021</b> , 57, 3987-3990	5.8	4
136	Chiral Conjugated Thermally Activated Delayed Fluorescent Polymers for Highly Efficient Circularly Polarized Polymer Light-Emitting Diodes.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	6
135	An ultralong room-temperature phosphorescent material based on the combination of small singlet-triplet splitting energy and H-aggregation. <i>Chemical Communications</i> , <b>2020</b> , 56, 4296-4299	5.8	13
134	Naphthyridine-based thermally activated delayed fluorescence emitters for highly efficient blue OLEDs. <i>Dyes and Pigments</i> , <b>2020</b> , 178, 108324	4.6	12
133	An axially chiral thermally activated delayed fluorescent emitter with a dual emitting core for a highly efficient organic light-emitting diode. <i>Chemical Communications</i> , <b>2020</b> , 56, 9380-9383	5.8	27
132	Recent advances in higher order rotaxane architectures. <i>Chemical Communications</i> , <b>2020</b> , 56, 9916-9936	5.8	25
131	Recent advances in circularly polarized electroluminescence based on organic light-emitting diodes. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 1331-1343	58.5	259
130	Pagoda[4]arene and -Pagoda[4]arene. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8262-8269	16.4	51
129	Triptycene-Derived Macrocyclic Arenes <b>2020</b> , 139-180		
128	Synthesis and Properties of New Organic Luminescent Materials Based on Halogen-Substituted Phthalimides. <i>Chinese Journal of Organic Chemistry</i> , <b>2020</b> , 40, 516	3	6
127	Recent Advances in Novel Macrocyclic Arenes. <i>Chinese Journal of Organic Chemistry</i> , <b>2020</b> , 40, 3714	3	16
126	Sign inversions of circularly polarized luminescence for helical compounds by chemically fine-tuning operations. <i>Chemical Communications</i> , <b>2020</b> , 56, 1863-1866	5.8	12

125	Axially Chiral TADF-Active Enantiomers Designed for Efficient Blue Circularly Polarized Electroluminescence. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3528-3532	3.6	21
124	Axially Chiral TADF-Active Enantiomers Designed for Efficient Blue Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3500-3504	16.4	93
123	pH-Controlled motions in mechanically interlocked molecules. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 12-28	7.8	22
122	Recent progress of narrowband TADF emitters and their applications in OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11340-11353	7.1	74
121	Helic[1]tritycene[3]arene: Synthesis, Complexation, and Formation of [2]Rotaxane Shuttle. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 11465-11474	4.2	8
120	Phthalimide-based "D-N-A" emitters with thermally activated delayed fluorescence and isomer-dependent room-temperature phosphorescence properties. <i>Chemical Communications</i> , <b>2019</b> , 55, 12172-12175	5.8	14
119	Construction of Chiral Nanoassemblies Based on Host-Guest Complexes and Their Responsive CD and CPL Properties: Chirality Transfer From 2,6-helic[6]arenes to a Stilbazolium Derivative. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 543	5	12
118	Step-by-step reaction-powered mechanical motion triggered by a chemical fuel pulse. <i>Chemical Science</i> , <b>2019</b> , 10, 2529-2533	9.4	24
117	Rationally designed organelle-specific thermally activated delayed fluorescence small molecule organic probes for time-resolved biological applications. <i>Chemical Communications</i> , <b>2019</b> , 55, 5639-5642	5.8	36
116	Directional Transportation of a Helic[6]arene along a Nonsymmetric Molecular Axle. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 5872-5876	4.2	7
115	Naphthyridine-based thermally activated delayed fluorescence emitters for multi-color organic light-emitting diodes with low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 4673-4680	7.1	21
114	Metal-free construction of contiguous quaternary stereocentres with a polycyclic framework. <i>Chemical Communications</i> , <b>2019</b> , 55, 4631-4634	5.8	2
113	Helicene-Based Illusory Chiral Supramolecular Expression of the Penrose Stairs: Chiroptical Property and Narcissistic Self-Sorting. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 1847-1853	2.3	0
112	1,8-Naphthalimide-based circularly polarized TADF enantiomers as the emitters for efficient orange-red OLEDs. <i>Organic Electronics</i> , <b>2019</b> , 70, 71-77	3.5	41
111	Complexation of 2,6-helic[6]arene and its derivatives with 1,1'-dimethyl-4,4'-bipyridinium salts and protonated 4,4'-bipyridinium salts: an acid-base controllable complexation. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 1795-1804	2.5	4
110	Novel oxacalix[2]arene[2]triazines with thermally activated delayed fluorescence and aggregation-induced emission properties. <i>Chemical Communications</i> , <b>2019</b> , 55, 9559-9562	5.8	10
109	Importance of Conformational Change in Excited States for Efficient Thermally Activated Delayed Fluorescence. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 19322-19332	3.8	11
108	Triptycene-Derived Macrocyclic Arenes <b>2019</b> , 1-43		

107	Advances in helicene derivatives with circularly polarized luminescence. <i>Chemical Communications</i> , <b>2019</b> , 55, 13793-13803	5.8	145
106	A Triply Operable Molecular Switch: Anion-, Acid/Base- and Solvent-Responsive [2]Rotaxane. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 3406-3411	3.2	6
105	Chiral Nanoparticles with Full-Color and White CPL Properties Based on Optically Stable Helical Aromatic Imide Enantiomers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8225-8230	9.5	52
104	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2939-2943	3.6	31
103	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2889-2893	16.4	213
102	Synthesis, chiroptical properties, and self-assembled nanoparticles of chiral conjugated polymers based on optically stable helical aromatic esters.. <i>RSC Advances</i> , <b>2018</b> , 8, 1014-1021	3.7	17
101	Efficient control of movement in non-photoresponsive molecular machines by a photo-induced proton-transfer strategy. <i>Chemical Communications</i> , <b>2018</b> , 54, 3536-3539	5.8	23
100	Recent progress on multidimensional construction of helicenes. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 40-46	1	39
99	Triptycene-Derived Macrocyclic Arenes: From Calixarenes to Helicarenes. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2093-2106	24.3	83
98	Tetrahydrobenzo[5]helicenediol derivatives as additives for efficient proline-catalyzed asymmetric List-Lerner-Barbas aldol reactions of bulky aldehyde substrates. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 1223-1225	8.1	4
97	Applications of Helicenes and Their Derivatives in Asymmetric Catalysis. <i>Chinese Journal of Organic Chemistry</i> , <b>2018</b> , 38, 541	3	13
96	One-Pot Oxidative Aromatization and Dearomatization of Tetrahydro[5]helicene Diols: Synthesis, Structure, Photophysical and Chiroptical Properties of Chiral Extended Diones. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 2518-2526	3	2
95	Enantiopure (P)- and (M)-3,14-bis(o-hydroxyaryl)tetrahydrobenzo[5]helicenediols and their helicene analogues: Synthesis, amplified circularly polarized luminescence and catalytic activity in asymmetric hetero-Diels-Alder reactions. <i>Tetrahedron</i> , <b>2018</b> , 74, 7164-7172	2.4	5
94	A Route to Enantiopure (O-Methyl)-2,6-Helic[6]arenes: Synthesis of Hexabromo-Substituted 2,6-Helic[6]arene Derivatives and Their Suzuki-Miyaura Coupling Reactions. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 11532-11540	4.2	14
93	Formation of charge-transfer complexes based on a tropylium cation and 2,6-helic[6]arenes: a visible redox stimulus-responsive process. <i>Chemical Communications</i> , <b>2017</b> , 53, 2582-2585	5.8	25
92	A New Thioimide-Based Fluorescent Turn-On and Chromogenic Chemodosimeter in Acetonitrile and Its Nanoparticles in Water for Highly Selective and Sensitive Detection of Hg <sup>2+</sup> . <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 435-441	4.9	5
91	Intense blue circularly polarized luminescence from helical aromatic esters. <i>Chemical Communications</i> , <b>2017</b> , 53, 6093-6096	5.8	33
90	Aromatic-Imide-Based Thermally Activated Delayed Fluorescence Materials for Highly Efficient Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8818-8822	16.4	87

89	Switchable Complexation between (O-Methyl)-2,6-helic[6]arene and Protonated Pyridinium Salts Controlled by Acid/Base and Photoacid. <i>Organic Letters</i> , <b>2017</b> , 19, 3175-3178	6.2	33
88	Aromatic-Imide-Based Thermally Activated Delayed Fluorescence Materials for Highly Efficient Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8944-8948	3.6	15
87	Complexation of Racemic 2,6-Helic[6]arene and Its Hexamethyl-Substituted Derivative with Quaternary Ammonium Salts, N-Heterocyclic Salts, and Tetracyanoquinodimethane. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 3735-3742	4.8	20
86	Synthesis of a water-soluble 2,6-helic[6]arene derivative and its strong binding abilities towards quaternary phosphonium salts: an acid/base controlled switchable complexation process. <i>Chemical Communications</i> , <b>2017</b> , 53, 10433-10436	5.8	17
85	Complexation Between (O-Methyl) -2,6-Helic[6]arene and Tertiary Ammonium Salts: Acid/Base- or Chloride-Ion-Responsive Host-Guest Systems and Synthesis of [2]Rotaxane. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2576-2582	4.5	13
84	A bis-corannulene based molecular tweezer with highly sensitive and selective complexation of C over C. <i>Chemical Communications</i> , <b>2017</b> , 53, 9336-9339	5.8	38
83	Synthesis, Structures, and Photophysical Properties of Optically Stable 1,16-Diphenyl-3,14-diaryl-Substituted Tetrahydrobenzo[5]helicenediol Derivatives: Enantioselective Recognition toward Tryptophan Methyl Esters. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 7402-7409	4.2	22
82	A New Fluorescent Chemodosimeter for Hg <sup>2+</sup> with High Selectivity and Sensitivity in Water. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 635-639	4.9	5
81	Synthesis, Structures, Resolution, and Chiroptical Properties of 1,16-Diaryl-Substituted Benzo[5]helicene Derivatives. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 86-94	4.5	17
80	Recent Progress on Circularly Polarized Luminescence of Chiral Organic Small Molecules. <i>Acta Chimica Sinica</i> , <b>2017</b> , 75, 1150	3.3	46
79	Ultrafast Investigation of Intramolecular Charge Transfer and Solvation Dynamics of Tetrahydro[5]-helicene-Based Imide Derivatives. <i>Scientific Reports</i> , <b>2016</b> , 6, 24313	4.9	58
78	Self-Assembly of a [2]Pseudorotaxane by an Inchworm-Motion Mechanism. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 15075-15084	4.8	7
77	Helical aromatic imide based enantiomers with full-color circularly polarized luminescence. <i>Chemical Communications</i> , <b>2016</b> , 52, 9921-4	5.8	68
76	Synthesis and Structures of Triptycene-Derived Oxacalixarenes with Expanded Cavities: Tunable and Switchable Complexation towards Bipyridinium Salts. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 2756-2762	4.5	6
75	Triptycene-based stationary phase with three-dimensional aromatic structure for highly selective separation of H-bonding analytes and aromatic isomers. <i>Journal of Chromatography A</i> , <b>2016</b> , 1445, 135-9	4.5	12
74	Triptycene-Based Chiral Macrocyclic Hosts for Highly Enantioselective Recognition of Chiral Guests Containing a Trimethylamino Group. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5304-8	16.4	132
73	Guest-dependent directional complexation based on triptycene derived oxacalixarene: formation of oriented rotaxanes. <i>Chemical Science</i> , <b>2016</b> , 7, 469-474	9.4	36
72	Acid/base controllable complexation of a triptycene-derived macrotricyclic host and protonated 4,4'-bipyridinium/pyridinium salts. <i>Chemical Communications</i> , <b>2016</b> , 52, 590-3	5.8	7

71	Triptycene-Based Chiral Macrocyclic Hosts for Highly Enantioselective Recognition of Chiral Guests Containing a Trimethylamino Group. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5390-5394	3.6	38
70	Directional Molecular Transportation Based on a Catalytic Stopper-Leaving Rotaxane System. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5652-8	16.4	49
69	Complexation between a triptycene-derived oxacalixarene and extended viologens: linker-length-dependent orientation of the macrocycles in pseudo[3]rotaxanes. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 10481-10488	3.9	7
68	Stepwise Motion in a Multivalent [2](3)Catenane. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 9739-45	16.4	87
67	A molecular pulley based on a triply interlocked [2]rotaxane. <i>Chemical Communications</i> , <b>2015</b> , 51, 8241-45.8	4.5	40
66	Synthesis and structures of triptycene-derived Tröger's base molecular clips. <i>Chinese Chemical Letters</i> , <b>2015</b> , 26, 839-842	8.1	5
65	Tetrahydro[5]helicene-based dye with remarkable and reversible acid/base stimulated fluorescence switching properties in solution and solid state. <i>Dyes and Pigments</i> , <b>2015</b> , 120, 184-189	4.6	27
64	High-generation organometallic rotaxane dendrimer. <i>Science China Chemistry</i> , <b>2015</b> , 58, 1089-1089	7.9	9
63	Self-sorting behavior of a four-component host-guest system and its incorporation into a linear supramolecular alternating copolymer. <i>Chemical Communications</i> , <b>2015</b> , 51, 3593-5	5.8	24
62	Linker-Length-Dependent Complexation of a Triptycene-Derived Macrotricyclic Polyether with Extended Viologens. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 1257-1263	3.2	2
61	Recent Progress in BINOL Mediated Asymmetric Reactions. <i>Mini-Reviews in Organic Chemistry</i> , <b>2015</b> , 12, 310-327	1.7	4
60	Tristable [n]rotaxanes: from molecular shuttle to molecular cable car. <i>Chemical Science</i> , <b>2014</b> , 5, 1520	9.4	82
59	Tetrahydro[5]helicene-based imide dyes with intense fluorescence in both solution and solid state. <i>Chemical Communications</i> , <b>2014</b> , 50, 2993-5	5.8	86
58	Triptycene-derived calixarenes, heterocalixarenes and analogues. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2014</b> , 79, 261-281	1.7	29
57	Tetrahydro[5]helicene-based full-color emission dyes in both solution and solid states: synthesis, structures, photophysical properties and optical waveguide applications. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 8373-8380	7.1	54
56	Triptycene-derived calix[6]arene analogues: synthesis, structure and complexation with paraquat derivatives. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 140	5.2	9
55	Synthesis and Reactions of Triptycene-Derived Bromocalix[5]arenes: Conformational Transformation from Cone to 1,2-Alternate. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 1976-1983	3.3	5
54	Triptycene-derived crown ether hosts for molecular recognition and self-assembly. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 2026-40	24.3	176

53	A novel pentiptycene bis(crown ether)-based [2](2)rotaxane whose two DB24C8 rings act as flapping wings of a butterfly. <i>Organic Letters</i> , <b>2014</b> , 16, 1860-3	6.2	42
52	Dihydroindeno[2,1-c]fluorene-based imide dyes: synthesis, structures, photophysical and electrochemical properties. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 2139-47	4.2	24
51	Tetrahydro[5]helicene thioimide-based fluorescent and chromogenic chemodosimeter for highly selective and sensitive detection of Hg <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 202, 583-587	8.5	28
50	Dioxygen-Triggered Transannular Dearomatization of Benzo[5]helicene Diols: Highly Efficient Synthesis of Chiral Extended Diones. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4736-4739	3.6	9
49	Dioxygen-triggered transannular dearomatization of benzo[5]helicene diols: highly efficient synthesis of chiral extended diones. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4648-51	16.4	25
48	Tetrahydro[5]helicene-Based Nanoparticles for Structure-Dependent Cell Fluorescent Imaging. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4405-4412	15.6	43
47	Complexation of Triptycene-Derived Macrotricyclic Host Containing Pyridine Groups with Paraquat Derivatives: A Switchable Process Controlled by Zn <sup>2+</sup> Ions. <i>Chinese Journal of Chemistry</i> , <b>2014</b> , 32, 721-726	4.9	2
46	Iptycenes Chemistry <b>2013</b> ,		56
45	Supramolecular polymer gel with multi stimuli responsive, self-healing and erasable properties generated by host-guest interactions. <i>Polymer</i> , <b>2013</b> , 54, 6929-6935	3.9	59
44	Complexation of triptycene-derived macrotricyclic polyether with paraquat derivatives, diquat, and a 2,7-diazapyrenium salt: guest-induced conformational changes of the host. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 3235-42	4.2	25
43	Cross-linked supramolecular polymer networks with responsive and elastic gel properties via host-guest complexation: controlled release of squaraine dyes. <i>Soft Matter</i> , <b>2013</b> , 9, 4875	3.6	41
42	Triptycene-derived homooxalixarene analogues: synthesis, structures, and complexation with fullerenes C <sub>60</sub> and C <sub>70</sub> . <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 981-7	4.2	34
41	Complexation of Triptycene-Derived Macrotricyclic Host with Bisparaquat Derivative and Self-Folding Guest: A Switchable Process Controlled by K <sup>+</sup> Ions. <i>Chinese Journal of Chemistry</i> , <b>2013</b> , 31, 607-611	4.9	3
40	Three-dimensional nanographene based on triptycene: synthesis and its application in fluorescence imaging. <i>Organic Letters</i> , <b>2012</b> , 14, 5912-5	6.2	55
39	Triptycene-Based Microporous Polymers: Synthesis and Their Gas Storage Properties.. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 190-193	6.6	125
38	Li <sup>+</sup> -templated complexation of cylindrical macrotricyclic host with naphthalene diimide: Cation-controlled switchable complexation processes. <i>Science China Chemistry</i> , <b>2012</b> , 55, 2069-2074	7.9	3
37	Amidourea-based homoduplex as a super organogelator. <i>Science Bulletin</i> , <b>2012</b> , 57, 4278-4283		5
36	Helicenes: synthesis and applications. <i>Chemical Reviews</i> , <b>2012</b> , 112, 1463-535	68.1	880



35	Novel triptycene-derived hosts: synthesis and their applications in supramolecular chemistry. <i>Chemical Communications</i> , <b>2011</b> , 47, 1674-88	5.8	222
34	Hg <sup>2+</sup> recognition by triptycene-derived heterocalixarenes: selectivity tuned by bridging heteroatoms and macrocyclic cavity. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 5838-44	3.9	32
33	Recent Developments in Synthesis and Applications of Triptycene and Pentiptycene Derivatives. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 6377-6403	3.2	117
32	Synthesis, Structure and Properties of Benzo[1,2-f:5,4-f']-diquinoline Derivatives: A Remarkably Strong Intramolecular C-H...O Hydrogen Bond. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 2606-2610	4.9	3
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26	Synthesis, structures, and conformational characteristics of triptycene-derived calix[5]arenes. <i>Organic Letters</i> , <b>2010</b> , 12, 524-7	6.2	35
25	Nanotoroidal tubule assembled from a functionalized oxacalix[4]arene. <i>CrystEngComm</i> , <b>2010</b> , 12, 3502	3.3	15
24	Efficient synthesis and resolution of meta-substituted inherently chiral aminocalix[4]arene derivatives. <i>Science Bulletin</i> , <b>2010</b> , 55, 2859-2869		11
23	Synthesis of A Bis-Macrotricyclic Host and Its Complexation with Secondary Ammonium Salts: An Acid-Base Switchable Molecular Handcuff. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 5056-5062	3.2	15
22	Triptycene-derived calix[6]arenes: synthesis, structures, and their complexation with fullerenes C <sub>60</sub> and C <sub>70</sub> . <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8072-9	4.8	56
21	Synthesis and structures of multifunctionalized helicenes and dehydrohelicenes: an efficient route to construct cyan fluorescent molecules. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 11843-6	4.8	43
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19	Triptycene-derived calix[6]arenes: synthesis, structure and tubular assemblies in the solid state. <i>Chemical Communications</i> , <b>2009</b> , 6771-3	5.8	36
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15	Effective nonenzymatic kinetic resolution of racemic m-nitro-substituted inherently chiral aminocalix[4]arenes. <i>Organic Letters</i> , <b>2008</b> , 10, 477-9	6.2	53
14	Inherently chiral calix[4]arene-based bifunctional organocatalysts for enantioselective aldol reactions. <i>Tetrahedron</i> , <b>2008</b> , 64, 8668-8675	2.4	59
13	Formation of ternary complexes between a macrotricyclic host and hetero-guest pairs: an acid-base controlled selective complexation process. <i>Organic Letters</i> , <b>2007</b> , 9, 4207-10	6.2	61
12	A new approach to enantiopure inherently chiral calix[4]arenes: determination of their absolute configurations. <i>Organic Letters</i> , <b>2007</b> , 9, 4447-50	6.2	65
11	Triptycene-based expanded oxacalixarenes: synthesis, structure, and tubular assemblies in the solid state. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 3880-8	4.2	110
10	Synthesis and structure of a triptycene-based nanosized molecular cage. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 9339-41	4.2	97
9	Novel triptycene-based cylindrical macrotricyclic host: synthesis and complexation with paraquat derivatives. <i>Organic Letters</i> , <b>2006</b> , 8, 211-4	6.2	104
8	Self-assembly of triptycene-based cylindrical macrotricyclic host with dibenzylammonium ions: construction of dendritic [3]pseudorotaxanes. <i>Organic Letters</i> , <b>2006</b> , 8, 1859-62	6.2	60
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6	Facile synthesis and optical resolution of inherently chiral fluorescent calix[4]crowns: enantioselective recognition towards chiral leucinol. <i>Tetrahedron</i> , <b>2005</b> , 61, 8517-8528	2.4	65
5	Synthesis and optical resolution of a series of inherently chiral calix[4]crowns with cone and partial cone conformations. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 5917-28	4.8	49
4	Regioselective Formation of Diazafulleroids Bridged by Glycol Diacetate and Glycol Chains. <i>Synthetic Communications</i> , <b>1998</b> , 28, 3097-3103	1.7	7
3	Chiral Thermally Activated Delayed Fluorescence-Active Macrocycles Displaying Efficient Circularly Polarized Electroluminescence. <i>CCS Chemistry</i> , 1-9	7.2	5
2	Pagoda[5]arene with Large and Rigid Cavity for the Formation of 1:2 Host-Guest Complexes and Acid/Base-Responsive Crystalline Vapochromic Properties. <i>CCS Chemistry</i> , 738-750	7.2	10
1	High-Performance Solution-Processed Nondoped Circularly Polarized OLEDs with Chiral Triptycene Scaffold-Based TADF Emitters Realizing Over 20% External Quantum Efficiency. <i>Advanced Functional Materials</i> , 2106418	15.6	8