

Chuan-Feng Chen

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160
papers

6,577
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43
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76
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177
ext. papers

8,197
ext. citations

7.2
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6.81
L-index

#	Paper	IF	Citations
160	Helicenes: synthesis and applications. <i>Chemical Reviews</i> , 2012 , 112, 1463-535	68.1	880
159	Recent advances in circularly polarized electroluminescence based on organic light-emitting diodes. <i>Chemical Society Reviews</i> , 2020 , 49, 1331-1343	58.5	259
158	A highly efficient approach to [4]pseudocatenanes by threefold metathesis reactions of a triptycene-based tris[2]pseudorotaxane. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13158-9	16.4	228
157	Novel triptycene-derived hosts: synthesis and their applications in supramolecular chemistry. <i>Chemical Communications</i> , 2011 , 47, 1674-88	5.8	222
156	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2889-2893	16.4	213
155	lptycene-derived crown ether hosts for molecular recognition and self-assembly. <i>Accounts of Chemical Research</i> , 2014 , 47, 2026-40	24.3	176
154	A highly efficient and selective turn-on fluorescent sensor for Cu ²⁺ ion based on calix[4]arene bearing four iminoquinoline subunits on the upper rim. <i>Chemical Communications</i> , 2008 , 1774-6	5.8	145
153	Advances in helicene derivatives with circularly polarized luminescence. <i>Chemical Communications</i> , 2019 , 55, 13793-13803	5.8	145
152	Triptycene-Based Chiral Macrocyclic Hosts for Highly Enantioselective Recognition of Chiral Guests Containing a Trimethylamino Group. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5304-8	16.4	132
151	Triptycene-Based Microporous Polymers: Synthesis and Their Gas Storage Properties.. <i>ACS Macro Letters</i> , 2012 , 1, 190-193	6.6	125
150	Recent Developments in Synthesis and Applications of Triptycene and Pentiptycene Derivatives. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 6377-6403	3.2	117
149	Triptycene-based expanded oxacalixarenes: synthesis, structure, and tubular assemblies in the solid state. <i>Journal of Organic Chemistry</i> , 2007 , 72, 3880-8	4.2	110
148	Novel triptycene-based cylindrical macrotricyclic host: synthesis and complexation with paraquat derivatives. <i>Organic Letters</i> , 2006 , 8, 211-4	6.2	104
147	Synthesis and structure of a triptycene-based nanosized molecular cage. <i>Journal of Organic Chemistry</i> , 2007 , 72, 9339-41	4.2	97
146	Triptycene-derived oxacalixarene with expanded cavity: synthesis, structure and its complexation with fullerenes C ₆₀ and C ₇₀ . <i>Chemical Communications</i> , 2010 , 46, 4199-201	5.8	95
145	Axially Chiral TADF-Active Enantiomers Designed for Efficient Blue Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3500-3504	16.4	93
144	Aromatic-Imide-Based Thermally Activated Delayed Fluorescence Materials for Highly Efficient Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8818-8822	16.4	87

143	Stepwise Motion in a Multivalent [2](3)Catenane. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9739-45	16.4	87
142	Tetrahydro[5]helicene-based imide dyes with intense fluorescence in both solution and solid state. <i>Chemical Communications</i> , 2014 , 50, 2993-5	5.8	86
141	Triptycene-Derived Macrocyclic Arenes: From Calixarenes to Helicarenes. <i>Accounts of Chemical Research</i> , 2018 , 51, 2093-2106	24.3	83
140	Tristable [n]rotaxanes: from molecular shuttle to molecular cable car. <i>Chemical Science</i> , 2014 , 5, 1520	9.4	82
139	Recent progress of narrowband TADF emitters and their applications in OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11340-11353	7.1	74
138	Helical aromatic imide based enantiomers with full-color circularly polarized luminescence. <i>Chemical Communications</i> , 2016 , 52, 9921-4	5.8	68
137	A new approach to enantiopure inherently chiral calix[4]arenes: determination of their absolute configurations. <i>Organic Letters</i> , 2007 , 9, 4447-50	6.2	65
136	Facile synthesis and optical resolution of inherently chiral fluorescent calix[4]crowns: enantioselective recognition towards chiral leucinol. <i>Tetrahedron</i> , 2005 , 61, 8517-8528	2.4	65
135	Formation of ternary complexes between a macrotricyclic host and hetero-guest pairs: an acid-base controlled selective complexation process. <i>Organic Letters</i> , 2007 , 9, 4207-10	6.2	61
134	Self-assembly of triptycene-based cylindrical macrotricyclic host with dibenzylammonium ions: construction of dendritic [3]pseudorotaxanes. <i>Organic Letters</i> , 2006 , 8, 1859-62	6.2	60
133	Supramolecular polymer gel with multi stimuli responsive, self-healing and erasable properties generated by host-guest interactions. <i>Polymer</i> , 2013 , 54, 6929-6935	3.9	59
132	Inherently chiral calix[4]arene-based bifunctional organocatalysts for enantioselective aldol reactions. <i>Tetrahedron</i> , 2008 , 64, 8668-8675	2.4	59
131	Ultrafast Investigation of Intramolecular Charge Transfer and Solvation Dynamics of Tetrahydro[5]-helicene-Based Imide Derivatives. <i>Scientific Reports</i> , 2016 , 6, 24313	4.9	58
130	Triptycenes Chemistry 2013 ,		56
129	Triptycene-derived calix[6]arenes: synthesis, structures, and their complexation with fullerenes C60 and C70. <i>Chemistry - A European Journal</i> , 2010 , 16, 8072-9	4.8	56
128	Three-dimensional nanographene based on triptycene: synthesis and its application in fluorescence imaging. <i>Organic Letters</i> , 2012 , 14, 5912-5	6.2	55
127	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> , 2014 , 2, 8373-8380	7.1	54
126	Guest-dependent complexation of triptycene-based macrotricyclic host with paraquat derivatives and secondary ammonium salts: a chemically controlled complexation process. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6800-6	4.2	54

125	Effective nonenzymatic kinetic resolution of racemic m-nitro-substituted inherently chiral aminocalix[4]arenes. <i>Organic Letters</i> , 2008 , 10, 477-9	6.2	53
124	Chiral Nanoparticles with Full-Color and White CPL Properties Based on Optically Stable Helical Aromatic Imide Enantiomers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8225-8230	9.5	52
123	Pagoda[4]arene and -Pagoda[4]arene. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8262-8269	16.4	51
122	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> , 2005 , 11, 5917-28	4.8	49
121	Directional Molecular Transportation Based on a Catalytic Stopper-Leaving Rotaxane System. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5652-8	16.4	49
120	Frontiers in circularly polarized luminescence: molecular design, self-assembly, nanomaterials, and applications. <i>Science China Chemistry</i> , 2021 , 64, 2060	7.9	46
119	Recent Progress on Circularly Polarized Luminescence of Chiral Organic Small Molecules. <i>Acta Chimica Sinica</i> , 2017 , 75, 1150	3.3	46
118	Tetrahydro[5]helicene-Based Nanoparticles for Structure-Dependent Cell Fluorescent Imaging. <i>Advanced Functional Materials</i> , 2014 , 24, 4405-4412	15.6	43
117	Synthesis and structures of multifunctionalized helicenes and dehydrohelicenes: an efficient route to construct cyan fluorescent molecules. <i>Chemistry - A European Journal</i> , 2010 , 16, 11843-6	4.8	43
116	A novel pentyptycene bis(crown ether)-based 2rotaxane whose two DB24C8 rings act as flapping wings of a butterfly. <i>Organic Letters</i> , 2014 , 16, 1860-3	6.2	42
115	Triptycene-based tetralactam macrocycles: synthesis, structure and complexation with squaraine. <i>Chemical Communications</i> , 2008 , 6128-30	5.8	42
114	1,8-Naphthalimide-based circularly polarized TADF enantiomers as the emitters for efficient orange-red OLEDs. <i>Organic Electronics</i> , 2019 , 70, 71-77	3.5	41
113	Cross-linked supramolecular polymer networks with responsive and elastic gel properties via host-guest complexation: controlled release of squaraine dyes. <i>Soft Matter</i> , 2013 , 9, 4875	3.6	41
112	A molecular pulley based on a triply interlocked [2]rotaxane. <i>Chemical Communications</i> , 2015 , 51, 8241-45	5.8	40
111	Recent progress on multidimensional construction of helicenes. <i>Chinese Chemical Letters</i> , 2018 , 29, 40-46	4.1	39
110	A bis-corannulene based molecular tweezer with highly sensitive and selective complexation of C over C. <i>Chemical Communications</i> , 2017 , 53, 9336-9339	5.8	38
109	Triptycene-Based Chiral Macrocyclic Hosts for Highly Enantioselective Recognition of Chiral Guests Containing a Trimethylamino Group. <i>Angewandte Chemie</i> , 2016 , 128, 5390-5394	3.6	38
108	Rationally designed organelle-specific thermally activated delayed fluorescence small molecule organic probes for time-resolved biological applications. <i>Chemical Communications</i> , 2019 , 55, 5639-5642	5.8	36

107	Guest-dependent directional complexation based on triptycene derived oxacalixarene: formation of oriented rotaxanes. <i>Chemical Science</i> , 2016 , 7, 469-474	9.4	36
106	Triptycene-derived calix[6]arenes: synthesis, structure and tubular assemblies in the solid state. <i>Chemical Communications</i> , 2009 , 6771-3	5.8	36
105	Triptycene-derived oxacalixarenes as new wheels for the synthesis of [2]rotaxanes: acid-base- and metal-ion-switchable complexation processes. <i>Chemistry - A European Journal</i> , 2011 , 17, 5424-31	4.8	35
104	Synthesis, structures, and conformational characteristics of triptycene-derived calix[5]arenes. <i>Organic Letters</i> , 2010 , 12, 524-7	6.2	35
103	Triptycene-derived homooxacalixarene analogues: synthesis, structures, and complexation with fullerenes C60 and C70. <i>Journal of Organic Chemistry</i> , 2013 , 78, 981-7	4.2	34
102	Intense blue circularly polarized luminescence from helical aromatic esters. <i>Chemical Communications</i> , 2017 , 53, 6093-6096	5.8	33
101	Switchable Complexation between (O-Methyl)-2,6-helic[6]arene and Protonated Pyridinium Salts Controlled by Acid/Base and Photoacid. <i>Organic Letters</i> , 2017 , 19, 3175-3178	6.2	33
100	Hg ²⁺ recognition by triptycene-derived heterocalixarenes: selectivity tuned by bridging heteroatoms and macrocyclic cavity. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 5838-44	3.9	32
99	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie</i> , 2018 , 130, 2939-2943	3.6	31
98	Triptycene-derived calixarenes, heterocalixarenes and analogues. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014 , 79, 261-281	1.7	29
97	Tetrahydro[5]helicene thioimide-based fluorescent and chromogenic chemodosimeter for highly selective and sensitive detection of Hg ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 583-587	8.5	28
96	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> , 2015 , 120, 184-189	4.6	27
95	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> , 2020 , 56, 9380-9383	5.8	27
94	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> , 2017 , 53, 2582-2585	5.8	25
93	Recent advances in higher order rotaxane architectures. <i>Chemical Communications</i> , 2020 , 56, 9916-9936	5.8	25
92	Dioxygen-triggered transannular dearomatization of benzo[5]helicene diols: highly efficient synthesis of chiral extended diones. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4648-51	16.4	25
91	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> , 2013 , 78, 3235-42	4.2	25
90	Step-by-step reaction-powered mechanical motion triggered by a chemical fuel pulse. <i>Chemical Science</i> , 2019 , 10, 2529-2533	9.4	24

- 89 Dihydroindeno[2,1-c]fluorene-based imide dyes: synthesis, structures, photophysical and electrochemical properties. *Journal of Organic Chemistry*, **2014**, 79, 2139-47 4.2 24
- 88 Self-sorting behavior of a four-component host-guest system and its incorporation into a linear supramolecular alternating copolymer. *Chemical Communications*, **2015**, 51, 3593-5 5.8 24
- 87 Efficient control of movement in non-photoresponsive molecular machines by a photo-induced proton-transfer strategy. *Chemical Communications*, **2018**, 54, 3536-3539 5.8 23
- 86 Triptycene-derived calix[6]resorcinarene-like hosts: synthesis, structure and self-assemblies in the solid state. *Chemical Communications*, **2011**, 47, 12170-2 5.8 23
- 85 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. *Journal of Organic Chemistry*, **2017**, 82, 7402-7409 4.2 22
- 84 Formation of 1:2 host-guest complexes based on triptycene-derived macrotricyclic and paraquat derivatives: anion-π interactions between PF₆⁻ and bipyridinium rings in the solid state. *Organic Letters*, **2011**, 13, 5688-91 6.2 22
- 83 pH-Controlled motions in mechanically interlocked molecules. *Materials Chemistry Frontiers*, **2020**, 4, 12-28 7.8 22
- 82 Naphthyridine-based thermally activated delayed fluorescence emitters for multi-color organic light-emitting diodes with low efficiency roll-off. *Journal of Materials Chemistry C*, **2019**, 7, 4673-4680 7.1 21
- 81 Axially Chiral TADF-Active Enantiomers Designed for Efficient Blue Circularly Polarized Electroluminescence. *Angewandte Chemie*, **2020**, 132, 3528-3532 3.6 21
- 80 Complexation of Racemic 2,6-Helic[6]arene and Its Hexamethyl-Substituted Derivative with Quaternary Ammonium Salts, N-Heterocyclic Salts, and Tetracyanoquinodimethane. *Chemistry - A European Journal*, **2017**, 23, 3735-3742 4.8 20
- 79 Chiral TADF-Active Polymers for High-Efficiency Circularly Polarized Organic Light-Emitting Diodes. *Angewandte Chemie - International Edition*, **2021**, 60, 23619-23624 16.4 20
- 78 Self-assembled interwoven cages from triptycene-derived bis-macrotricyclic polyether and multiple branched paraquat-derived subunits. *Organic Letters*, **2010**, 12, 5764-7 6.2 18
- 77 High-Efficiency Circularly Polarized Electroluminescence from TADF-Sensitized Fluorescent Enantiomers. *Angewandte Chemie - International Edition*, **2021**, 60, 20728-20733 16.4 18
- 76 Synthesis, chiroptical properties, and self-assembled nanoparticles of chiral conjugated polymers based on optically stable helical aromatic esters. *RSC Advances*, **2018**, 8, 1014-1021 3.7 17
- 75 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. *Chemical Communications*, **2017**, 53, 10433-10436 5.8 17
- 74 Synthesis, Structures, Resolution, and Chiroptical Properties of 1,16-Diaryl-Substituted Benzo[5]helicene Derivatives. *Chemistry - an Asian Journal*, **2017**, 12, 86-94 4.5 17
- 73 Thermally activated delayed fluorescence material-sensitized helicene enantiomer-based OLEDs: a new strategy for improving the efficiency of circularly polarized electroluminescence. *Science China Materials*, **2021**, 64, 899-908 7.1 17
- 72 Recent Advances in Novel Macrocylic Arenes. *Chinese Journal of Organic Chemistry*, **2020**, 40, 3714 3 16

71	Aromatic-Imide-Based Thermally Activated Delayed Fluorescence Materials for Highly Efficient Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2017 , 129, 8944-8948	3.6	15
70	Nanotoroidal tubule assembled from a functionalized oxacalix[4]arene. <i>CrystEngComm</i> , 2010 , 12, 3502	3.3	15
69	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> , 2010 , 2010, 5056-5062	3.2	15
68	Phthalimide-based "D-N-A" emitters with thermally activated delayed fluorescence and isomer-dependent room-temperature phosphorescence properties. <i>Chemical Communications</i> , 2019 , 55, 12172-12175	5.8	14
67	Towards the Highly Efficient Synthesis and Selective Methylation of C(sp ³)-Bridged [6]Cycloparaphenylenes from Fluorene[3]arenes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13021-13028	16.4	14
66	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> , 2018 , 83, 11532-11540	4.2	14
65	An ultralong room-temperature phosphorescent material based on the combination of small singlet-triplet splitting energy and H-aggregation. <i>Chemical Communications</i> , 2020 , 56, 4296-4299	5.8	13
64	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> , 2017 , 12, 2576-2582	4.5	13
63	Applications of Helicenes and Their Derivatives in Asymmetric Catalysis. <i>Chinese Journal of Organic Chemistry</i> , 2018 , 38, 541	3	13
62	Quinoline-based aggregation-induced delayed fluorescence materials for highly efficient non-doped organic light-emitting diodes. <i>Chinese Chemical Letters</i> , 2021 , 32, 740-744	8.1	13
61	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> , 2019 , 7, 543	5	12
60	Naphthyridine-based thermally activated delayed fluorescence emitters for highly efficient blue OLEDs. <i>Dyes and Pigments</i> , 2020 , 178, 108324	4.6	12
59	lptycene-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> , 2016 , 1445, 135-9	4.5	12
58	Sign inversions of circularly polarized luminescence for helical compounds by chemically fine-tuning operations. <i>Chemical Communications</i> , 2020 , 56, 1863-1866	5.8	12
57	Importance of Conformational Change in Excited States for Efficient Thermally Activated Delayed Fluorescence. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 19322-19332	3.8	11
56	Efficient synthesis and resolution of meta-substituted inherently chiral aminocalix[4]arene derivatives. <i>Science Bulletin</i> , 2010 , 55, 2859-2869		11
55	Novel oxacalix[2]arene[2]triazines with thermally activated delayed fluorescence and aggregation-induced emission properties. <i>Chemical Communications</i> , 2019 , 55, 9559-9562	5.8	10
54	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

53	Quinoline-based TADF emitters exhibiting aggregation-induced emission for efficient non-doped organic light-emitting diodes. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 834-842	7.8	10
52	Triptycene-derived calix[6]arene analogues: synthesis, structure and complexation with paraquat derivatives. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 140	5.2	9
51	High-generation organometallic rotaxane dendrimer. <i>Science China Chemistry</i> , 2015 , 58, 1089-1089	7.9	9
50	Dioxygen-Triggered Transannular Dearomatization of Benzo[5]helicene Diols: Highly Efficient Synthesis of Chiral β -Extended Diones. <i>Angewandte Chemie</i> , 2014 , 126, 4736-4739	3.6	9
49	Helic[1]triptycene[3]arene: Synthesis, Complexation, and Formation of [2]Rotaxane Shuttle. <i>Journal of Organic Chemistry</i> , 2020 , 85, 11465-11474	4.2	8
48	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> , 2016 , 2106418	15.6	8
47	Directional Transportation of a Helic[6]arene along a Nonsymmetric Molecular Axle. <i>Journal of Organic Chemistry</i> , 2019 , 84, 5872-5876	4.2	7
46	Self-Assembly of a [2]Pseudorotaxane by an Inchworm-Motion Mechanism. <i>Chemistry - A European Journal</i> , 2016 , 22, 15075-15084	4.8	7
45	Acid/base controllable complexation of a triptycene-derived macrotricyclic host and protonated 4,4'-bipyridinium/pyridinium salts. <i>Chemical Communications</i> , 2016 , 52, 590-3	5.8	7
44	Regioselective Formation of Diazafulleroids Bridged by Glycol Diacetate and Glycol Chains. <i>Synthetic Communications</i> , 1998 , 28, 3097-3103	1.7	7
43	Complexation between a triptycene-derived oxacalixarene and β -extended viologens: linker-length-dependent orientation of the macrocycles in pseudo[3]rotaxanes. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 10481-10488	3.9	7
42	Synthesis and Structures of Triptycene-Derived Oxacalixarenes with Expanded Cavities: Tunable and Switchable Complexation towards Bipyridinium Salts. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2756-2762	4.5	6
41	Enantiopure inherently chiral calix[4]arene derivatives containing quinolin-2-yl-methanol moiety: Synthesis and application in the catalytic asymmetric addition of diethylzinc to benzaldehyde. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 505-512		6
40	Synthesis and Properties of New Organic Luminescent Materials Based on Halogen-Substituted Phthalimides. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 516	3	6
39	A Green Fluorescent Nitrogen-Doped Aromatic Belt Containing a [6]Cycloparaphenylene Skeleton. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15291-15295	16.4	6
38	A Triply Operable Molecular Switch: Anion-, Acid/Base- and Solvent-Responsive [2]Rotaxane. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 3406-3411	3.2	6
37	Chiral Conjugated Thermally Activated Delayed Fluorescent Polymers for Highly Efficient Circularly Polarized Polymer Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	6
36	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 ²⁺ . <i>Chinese Journal of Chemistry</i> , 2017 , 35, 435-441	4.9	5

35	Synthesis and structures of triptycene-derived Tröger's base molecular clips. <i>Chinese Chemical Letters</i> , 2015 , 26, 839-842	8.1	5
34	Synthesis and Reactions of Triptycene-Derived Bromocalix[5]arenes: Conformational Transformation from Cone to 1,2-Alternate. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 1976-1983	3.2	5
33	A New Fluorescent Chemodosimeter for Hg ²⁺ with High Selectivity and Sensitivity in Water. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 635-639	4.9	5
32	Amidourea-based homoduplex as a super organogelator. <i>Science Bulletin</i> , 2012 , 57, 4278-4283		5
31	Chiral Thermally Activated Delayed Fluorescence-Active Macrocycles Displaying Efficient Circularly Polarized Electroluminescence. <i>CCS Chemistry</i> , 1-9	7.2	5
30	Towards the Highly Efficient Synthesis and Selective Methylation of C(sp ³)-Bridged [6]Cycloparaphenylenes from Fluoren[3]arenes. <i>Angewandte Chemie</i> , 2021 , 133, 13131-13138	3.6	5
29	Aromatic-imide-based TADF material as emitter for efficient yellow and white organic light-emitting diodes. <i>Organic Electronics</i> , 2021 , 88, 106017	3.5	5
28	Triptycene-derived heterocalixarene: A new type of macrocycle-based stationary phases for gas chromatography. <i>Chinese Chemical Letters</i> , 2021 , 32, 2043-2046	8.1	5
27	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> , 2018 , 74, 7164-7172	2.4	5
26	Saucer[n]arenes: Synthesis, Structure, Complexation, and Guest-Induced Circularly Polarized Luminescence Property. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21927-21933	16.4	5
25	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> , 2018 , 29, 1223-1225	8.1	4
24	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> , 2019 , 15, 1795-1804	2.5	4
23	Recent Progress in BINOL Mediated Asymmetric Reactions. <i>Mini-Reviews in Organic Chemistry</i> , 2015 , 12, 310-327	1.7	4
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