

# Ying Han

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9394452/publications.pdf>

Version: 2024-02-01

60  
papers

1,943  
citations

279798

23  
h-index

254184

43  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iptycene-Derived Crown Ether Hosts for Molecular Recognition and Self-Assembly. <i>Accounts of Chemical Research</i> , 2014, 47, 2026-2040.	15.6	209
2	Triptycene-Based Chiral Macrocyclic Hosts for Highly Enantioselective Recognition of Chiral Guests Containing a Trimethylamino Group. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5304-5308.	13.8	191
3	Triptycene-Derived Macrocyclic Arenes: From Calixarenes to Helicarenes. <i>Accounts of Chemical Research</i> , 2018, 51, 2093-2106.	15.6	162
4	Preparation of activated carbon from cotton stalk and its application in supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1005-1012.	2.5	141
5	Pagoda[4]arene and <i>h</i> -Pagoda[4]arene. <i>Journal of the American Chemical Society</i> , 2020, 142, 8262-8269.	13.7	129
6	Stepwise Motion in a Multivalent [2](3)Catenane. <i>Journal of the American Chemical Society</i> , 2015, 137, 9739-9745.	13.7	100
7	Saucer[ <i>n</i> ]arenes: Synthesis, Structure, Complexation, and Guest-Induced Circularly Polarized Luminescence Property. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21927-21933.	13.8	66
8	Recent advances in higher order rotaxane architectures. <i>Chemical Communications</i> , 2020, 56, 9916-9936.	4.1	53
9	Pagoda[5]arene with Large and Rigid Cavity for the Formation of 1 <sup>+</sup> 2 Host-Guest Complexes and Acid/Base-Responsive Crystalline Vapochromic Properties. <i>CCS Chemistry</i> , 2022, 4, 318-330.	7.8	53
10	pH-Controlled motions in mechanically interlocked molecules. <i>Materials Chemistry Frontiers</i> , 2020, 4, 12-28.	5.9	51
11	Triptycene-Based Chiral Macrocyclic Hosts for Highly Enantioselective Recognition of Chiral Guests Containing a Trimethylamino Group. <i>Angewandte Chemie</i> , 2016, 128, 5390-5394.	2.0	50
12	Cryptand-based hosts for organic guests. <i>Tetrahedron</i> , 2015, 71, 503-522.	1.9	46
13	Triptycene-derived calixarenes, heterocalixarenes and analogues. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 79, 261-281.	1.6	36
14	Towards the Highly Efficient Synthesis and Selective Methylation of C(sp <sup>3</sup> )-Bridged [6]Cycloparaphenylenes from Fluoren[3]arenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13021-13028.	13.8	34
15	Supramolecular tessellations by the exo-wall interactions of pagoda[4]arene. <i>Nature Communications</i> , 2021, 12, 6378.	12.8	32
16	Enantiomeric Water-Soluble Octopus[3]arenes for Highly Enantioselective Recognition of Chiral Ammonium Salts in Water. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	32
17	Recent Advances in Novel Macrocyclic Arenes. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 3714.	1.3	31
18	Effect of lithium boron oxide glass coating on the electrochemical performance of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> . <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1481-1486.	2.5	30

#	ARTICLE	IF	CITATIONS
19	Synthesis of Triptycene-Derived Macrotricyclic Host Containing Two Dibenzo-[18]-crown-6 Moieties and Its Complexation with Paraquat Derivatives: Li <sup>+</sup> -Ion-Controlled Binding and Release of the Guests in the Complexes. <i>Journal of Organic Chemistry</i> , 2012, 77, 2422-2430.	3.2	29
20	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, 3235-3242.	3.2	26
21	Self-sorting behavior of a four-component host-guest system and its incorporation into a linear supramolecular alternating copolymer. <i>Chemical Communications</i> , 2015, 51, 3593-3595.	4.1	25
22	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> , 2017, 23, 3735-3742.	3.3	25
23	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.	3.6	25
24	Formation of 1:2 Host-Guest Complexes Based on Triptycene-Derived Macrotricyclic and Paraquat Derivatives: Anion-Interactions between PF <sub>6</sub> <sup>-</sup> and Bipyridinium Rings in the Solid State. <i>Organic Letters</i> , 2011, 13, 5688-5691.	4.6	22
25	Low-temperature behavior of LiV <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C as cathode material for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1917-1923.	2.5	22
26	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> , 2017, 53, 10433-10436.	4.1	22
27	Saucer[ <i>n</i> ]arenes: Synthesis, Structure, Complexation, and Guest-Induced Circularly Polarized Luminescence Property. <i>Angewandte Chemie</i> , 2021, 133, 22098-22104.	2.0	22
28	Complexation between triptycene-based macrotricyclic host and $\pi$ -extended viologens: formation of supramolecular poly[3]pseudorotaxanes. <i>Chemical Communications</i> , 2012, 48, 11076.	4.1	19
29	Recent advances on triptycene derivatives in supramolecular and materials chemistry. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10047-10067.	2.8	19
30	Helic[1]triptycene[3]arene: Synthesis, Complexation, and Formation of [2]Rotaxane Shuttle. <i>Journal of Organic Chemistry</i> , 2020, 85, 11465-11474.	3.2	18
31	Complexation Between ( <i>o</i> -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.	3.3	17
32	Directional Transportation of a Helic[6]arene along a Nonsymmetric Molecular Axle. <i>Journal of Organic Chemistry</i> , 2019, 84, 5872-5876.	3.2	15
33	3,6-Fluorenyl[5]arenes: synthesis, structure and complexation with fullerenes C <sub>60</sub> and C <sub>70</sub> . <i>Chemical Communications</i> , 2021, 57, 3987-3990.	4.1	15
34	Triptycene-derived calix[6]arene analogues: synthesis, structure and complexation with paraquat derivatives. <i>Organic Chemistry Frontiers</i> , 2014, 1, 140.	4.5	14
35	Preparation and electrochemical properties of LiMn <sub>2</sub> O <sub>4</sub> by a rheological-phase-assisted microwave synthesis method. <i>Inorganic Materials</i> , 2008, 44, 542-548.	0.8	13
36	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> , 2016, 1445, 135-139.	3.7	12

#	ARTICLE	IF	CITATIONS
37	Towards the Highly Efficient Synthesis and Selective Methylation of C(sp <sup>3</sup> )-Bridged [6]Cycloparaphenylenes from Fluorene-arenes. <i>Angewandte Chemie</i> , 2021, 133, 13131-13138.	2.0	11
38	Helicene-Based Chiral Pseudo[1]rotaxanes and [1]Rotaxanes. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	10
39	Chiral Bishelicene-Based Supramolecular Gels with Circularly Polarized Luminescence Property. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3473-3481.	4.4	10
40	Oxalic acid-assisted preparation of LiFePO <sub>4</sub> /C cathode material for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1925-1931.	2.5	8
41	Acid/base controllable complexation of a triptycene-derived macrotricyclic host and protonated 4,4'-bipyridinium/pyridinium salts. <i>Chemical Communications</i> , 2016, 52, 590-593.	4.1	8
42	A Triply Operable Molecular Switch: Anion-, Acid/Base- and Solvent-Responsive [2]Rotaxane. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3406-3411.	2.4	8
43	Synthesis of Chiral Helicene-Triptycene-Arenes and Their Enantioselective Recognition towards Chiral Guests Containing Aminoindan Groups. <i>Molecules</i> , 2021, 26, 536.	3.8	8
44	Chelation-assisted method for the preparation of cathode material LiFePO <sub>4</sub> . <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1971-1976.	2.5	7
45	Synthesis and Reactions of Triptycene-Derived Bromocalixarenes: Conformational Transformation from Cone to 1,2-Alternate. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1976-1983.	2.4	6
46	Synthesis and structures of triptycene-derived Tröger's base molecular clips. <i>Chinese Chemical Letters</i> , 2015, 26, 839-842.	9.0	6
47	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.	3.3	6
48	Guest-dependent complexation of triptycene-derived macrotricyclic host containing one anthracene moiety with paraquat derivatives: construction of [2]rotaxanes. <i>Supramolecular Chemistry</i> , 2015, 27, 357-363.	1.2	5
49	Solid-state "Russian doll"-like capsules based on a triptycene-derived macrotricyclic host with paraquat derivative and polycyclic aromatic hydrocarbons. <i>CrystEngComm</i> , 2016, 18, 4900-4904.	2.6	5
50	Complexation of 2,6-helicene 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.	2.2	5
51	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> , 2013, 31, 607-611.	4.9	4
52	Enantiomeric Water-Soluble Octopus-Arenes for Highly Enantioselective Recognition of Chiral Ammonium Salts in Water. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
53	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> , 2014, 32, 721-726.	4.9	2
54	Linker-Length-Dependent Complexation of a Triptycene-Derived Macrotricyclic Polyether with Extended Viologens. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1257-1263.	2.4	2

#	ARTICLE	IF	CITATIONS
55	Chiral Nanocluster Complexes Formed by Host-Guest Interaction between Enantiomeric 2,6-Helic[6]arenes and Silver Cluster Ag <sub>20</sub> : Emission Enhancement and Chirality Transfer. <i>Molecules</i> , 2022, 27, 3932.	3.8	2
56	Complexation of Triptycene-Derived Macrotricyclic Host with $\pi$ -Extended Viologens. <i>Acta Chimica Sinica</i> , 2015, 73, 1147.	1.4	1
57	Complexation of Novel Water-Soluble Cylindrical Macrotricyclic Host and Paraquat. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 1937.	1.3	1
58	Triple-stranded triptycene-based metallo-supramolecular helicate displaying efficient encapsulation of bulky guest molecules. <i>Chemical Communications</i> , 2022, 58, 1326-1329.	4.1	1
59	Triptycene-Derived Macrocylic Arenes. , 2019, , 1-43.		0
60	Triptycene-Derived Macrocylic Arenes. , 2020, , 139-180.		0