

Ying-Feng Han

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7099226/publications.pdf>

Version: 2024-02-01

95
papers

4,640
citations

94269

37
h-index

106150

65
g-index

101
all docs

101
docs citations

101
times ranked

2671
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Template-Assisted Catalytic [2+2] Photocycloaddition in Homogeneous Solution. <i>CCS Chemistry</i> , 2023, 5, 633-640.	4.6	8
2	Multistimuli-Responsive Fluorescent Organometallic Assemblies Based on Mesoionic Carbene-Decorated Tetraphenylethene Ligands and Their Applications in Cell Imaging. <i>CCS Chemistry</i> , 2022, 4, 732-743.	4.6	28
3	Bottom-up construction of mesoporous supramolecular isomers based on a Pd ₃ L ₆ triangular prism as templates for shape specific aggregation of polyiodide. <i>Nano Research</i> , 2022, 15, 2655-2660.	5.8	13
4	A trefoil-shaped macrocycle with [12]-imidazolium cations. <i>Chinese Chemical Letters</i> , 2022, 33, 4567-4571.	4.8	8
5	Supramolecular-controlled regioselective photochemical [4 + 4] cycloaddition within Cp*Rh-based metallarectangles. <i>Dalton Transactions</i> , 2022, 51, 8743-8748.	1.6	6
6	Phase-mediated controllable intramolecular and intermolecular photocycloadditions assisted by supramolecular templates. <i>Science China Chemistry</i> , 2022, 65, 1129-1133.	4.2	4
7	A perylene diimide-based fluorescent probe for the selective detection of hypochlorite in living cells. <i>Materials Chemistry Frontiers</i> , 2022, 6, 2266-2273.	3.2	4
8	A Molecular "Type-Tangled Metallocube. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
9	Coordination-Induced Emission from Tetraphenylethylene Units and Their Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 1556-1575.	1.7	47
10	Supramolecular-induced regiocontrol over the photochemical [4 + 4] cyclodimerization of NHC- or azole-substituted anthracenes. <i>Chemical Science</i> , 2021, 12, 2165-2171.	3.7	20
11	A metal-carbene template approach enables efficient synthesis of a functionalized cage-annulated crown ether. <i>Chemical Communications</i> , 2021, 57, 8584-8587.	2.2	8
12	Synthesis, Characterization, and Structural Transformation of Picolyl-Functionalized Polynuclear Silver(I) and Gold(I)-N-Heterocyclic Carbene Complexes. <i>Organometallics</i> , 2021, 40, 1474-1481.	1.1	4
13	Supramolecular Coordination Cages Based on N-Heterocyclic Carbene-Gold(I) Ligands and Their Precursors: Self-Assembly, Structural Transformation and Guest-Binding Properties. <i>Chemistry - A European Journal</i> , 2021, 27, 7853-7861.	1.7	6
14	Strategies for the construction of supramolecular assemblies from poly-NHC ligand precursors. <i>Science China Chemistry</i> , 2021, 64, 701-718.	4.2	38
15	Tuning the Magic Sizes and Optical Properties of Atomically Precise Bidentate N-Heterocyclic Carbene-Protected Gold Nanoclusters via Subtle Change of N-Substituents. <i>Advanced Optical Materials</i> , 2021, 9, 2001936.	3.6	27
16	Hierarchical self-assembly of crown ether based metal-carbene cages into multiple stimuli-responsive cross-linked supramolecular metallogel. <i>Science China Chemistry</i> , 2021, 64, 1177-1183.	4.2	17
17	Chiral Coordination Metallacycles/Metallacages for Enantioselective Recognition and Separation. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2273-2286.	2.6	35
18	Air-/Heat-Stable Crystalline Carbon-Centered Radicals Derived from an Annelated N-Heterocyclic Carbene. <i>Journal of the American Chemical Society</i> , 2021, 143, 14428-14432.	6.6	21

#	ARTICLE	IF	CITATIONS
19	Template-driven construction of [8]-imidazolium macrocycles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1431-1436.	2.3	6
20	Photoinduced E to Z isomerization of tetraphenylethylene derivatives within organometallic supramolecular assemblies. <i>Science China Chemistry</i> , 2021, 64, 1709-1715.	4.2	15
21	N-Heterocyclic carbenes and their precursors in functionalised porous materials. <i>Chemical Society Reviews</i> , 2021, 50, 13559-13586.	18.7	42
22	Strategy for the Construction of Diverse Polyâ€NHCâ€Derived Assemblies and Their Photoinduced Transformations. <i>Angewandte Chemie</i> , 2020, 132, 10159-10166.	1.6	62
23	Strategy for the Construction of Diverse Polyâ€NHCâ€Derived Assemblies and Their Photoinduced Transformations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10073-10080.	7.2	89
24	N-Heterocyclic Carbene as a Surface Platform for Assembly of Homochiral Metalâ€Organic Framework Thin Films in Chiral Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38357-38364.	4.0	20
25	Ultrastable and Highly Catalytically Active Nâ€Heterocyclicâ€Carbeneâ€Stabilized Gold Nanoparticles in Confined Spaces. <i>Angewandte Chemie</i> , 2020, 132, 16826.	1.6	17
26	Ultrastable and Highly Catalytically Active Nâ€Heterocyclicâ€Carbeneâ€Stabilized Gold Nanoparticles in Confined Spaces. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16683-16689.	7.2	92
27	Supramolecular Construction of a [16]â€imidazolium Cage via a Quadruple [2+2] Photocycloaddition and Its Selective Fluorescent Recognition of Pyranine (HPTS). <i>Chemistry - A European Journal</i> , 2020, 26, 7190-7193.	1.7	11
28	A Strategy for the Construction of Triply Interlocked Organometallic Cages by Rational Design of Poly-NHC Precursors. <i>Journal of the American Chemical Society</i> , 2020, 142, 13614-13621.	6.6	74
29	Self-Assembly, Structural Transformation, and Guest-Binding Properties of Supramolecular Assemblies with Triangular Metalâ€Metal Bonded Units. <i>Journal of the American Chemical Society</i> , 2020, 142, 2524-2531.	6.6	84
30	Synthesis and properties of cyclic tetracarbene-based organometallic assemblies. <i>Journal of Organometallic Chemistry</i> , 2020, 917, 121250.	0.8	3
31	Backboneâ€Directed Selfâ€Assembly of Interlocked Molecular Cyclic Metalla[3]Catenanes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13516-13520.	7.2	45
32	Backboneâ€Directed Selfâ€Assembly of Interlocked Molecular Cyclic Metalla[3]Catenanes. <i>Angewandte Chemie</i> , 2020, 132, 13618-13622.	1.6	7
33	NHC-Palladium(II) Mononuclear and Binuclear Complexes Containing Phenylene-Bridged Bis(thione) Ligands: Synthesis, Characterization, and Catalytic Activities. <i>Organometallics</i> , 2020, 39, 1790-1798.	1.1	21
34	Formation of Functional Cyclooctadiene Derivatives by Supramolecularlyâ€Controlled Topochemical Reactions and Their Use as Highly Selective Fluorescent Biomolecule Probes. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1040-1044.	2.6	9
35	Photodriven solid-state multiple [2 + 2] cycloaddition strategies for the construction of polycyclobutane derivatives. <i>CrystEngComm</i> , 2019, 21, 4673-4683.	1.3	25
36	C ₃ -Symmetric Assemblies from Trigonal Polycarbene Ligands and M ^I Ions for the Synthesis of Threeâ€Dimensional Polyimidazolium Cations. <i>Angewandte Chemie</i> , 2019, 131, 13494-13498.	1.6	17

#	ARTICLE	IF	CITATIONS
37	C ₃ -Symmetric Assemblies from Trigonal Polycarbene Ligands and M ^I Ions for the Synthesis of Three-Dimensional Polyimidazolium Cations. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13360-13364.	7.2	53
38	Template Synthesis of Metal Nanoparticles within Organic Cages. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1289-1290.	2.6	17
39	Metal-Carbene-Templated Photochemistry in Solution: A Universal Route towards Cyclobutane Derivatives. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1147-1152.	2.6	26
40	Regioselective N- and C-Metalation of Neutral 2-Halogenobenzimidazole Derivatives. <i>Organometallics</i> , 2019, 38, 3278-3285.	1.1	10
41	On/off fluorescence emission induced by encapsulation, exchange and reversible encapsulation of a BODIPY-guest in self-assembled organometallic cages. <i>Dalton Transactions</i> , 2019, 48, 7236-7241.	1.6	16
42	Synthesis, Characterization, and Properties of Organometallic Molecular Cylinders Bearing Bulky Imidazo[1,5- <i>a</i>]pyridine-Based N-Heterocyclic Carbene Ligands. <i>Chemistry - A European Journal</i> , 2019, 17, 25, 5472-5479.	1.7	17
43	Single-Crystalline Organoiridium Complex for Gas-Triggered Chromogenic Switches and Its Applications on CO Detection and Reversible Scavenging. <i>Chinese Journal of Chemistry</i> , 2019, 37, 763-768.	2.6	19
44	Synthesis, Characterization, and Properties of Tetraphenylethylene-Based Tetrakis-NHC Ligands and Their Metal Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 9764-9770.	1.7	21
45	Synthesis, Characterization, and Catalytic Activities of Palladium Complexes with Phenylene-Bridged Bis(thione) Ligands. <i>Organometallics</i> , 2019, 38, 1946-1954.	1.1	21
46	Incorporation of Core-Twisted Perylene Bisimide Ligands into a Discrete Cp [*] Rh ^{III} -Based Molecular-Rectangle via Coordination-Driven Self-Assembly. <i>Israel Journal of Chemistry</i> , 2019, 59, 311-316.	1.0	1
47	Process-tracing study on the post-assembly modification of poly-NHC-based metallosupramolecular cylinders with tunable aggregation-induced emission. <i>Chemical Communications</i> , 2019, 55, 13689-13692.	2.2	8
48	Recent Advances in the Chemistry of N-Heterocyclic Carbene-Functionalized Metal Nanoparticles and Their Applications. <i>Chinese Journal of Chemistry</i> , 2019, 37, 76-87.	2.6	42
49	Supramolecular Control of Photocycloadditions in Solution: In Situ Stereoselective Synthesis and Release of Cyclobutanes. <i>Angewandte Chemie</i> , 2019, 131, 4026-4031.	1.6	63
50	Supramolecular Control of Photocycloadditions in Solution: In Situ Stereoselective Synthesis and Release of Cyclobutanes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3986-3991.	7.2	83
51	Templatsynthese dreidimensionaler Hexakisimidazolium-Käfige. <i>Angewandte Chemie</i> , 2018, 130, 5256-5261.	1.6	37
52	A macrocyclic silver polycarbene complex based on 1,2,4-triazole units: synthesis and postsynthetic modification. <i>Dalton Transactions</i> , 2018, 47, 4267-4272.	1.6	19
53	Template Synthesis of Three-Dimensional Hexakisimidazolium Cages. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5161-5165.	7.2	115
54	Template-Directed Photochemical [2 + 2] Cycloaddition in Crystalline Materials: A Useful Tool to Access Cyclobutane Derivatives. <i>Crystal Growth and Design</i> , 2018, 18, 553-565.	1.4	63

#	ARTICLE	IF	CITATIONS
55	Coordination-driven self-assembly vs dynamic covalent chemistry: versatile methods for the synthesis of molecular metallarectangles. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2027-2034.	1.3	2
56	Homo- and Heteroligand Poly-NHC Metal Assemblies: Synthesis by Narcissistic and Social Self-Sorting. <i>Angewandte Chemie</i> , 2018, 130, 15993-15997.	1.6	28
57	Homo- and Heteroligand Poly-NHC Metal Assemblies: Synthesis by Narcissistic and Social Self-Sorting. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15767-15771.	7.2	87
58	Preparation and Post-Assembly Modification of Metallosupramolecular Assemblies from Poly(<i>N</i> -Heterocyclic Carbene) Ligands. <i>Chemical Reviews</i> , 2018, 118, 9587-9641.	23.0	254
59	Chelating Bis(<i>N</i> -Heterocyclic Carbene) Palladium-Catalyzed Reactions. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2257-2276.	1.7	36
60	A triptycene-based porous hydrogen-bonded organic framework for guest incorporation with tailored fitting. <i>Chemical Communications</i> , 2017, 53, 3677-3680.	2.2	69
61	Efficient synthesis of carborane azo derivatives and their reactivity. <i>Dalton Transactions</i> , 2017, 46, 1585-1592.	1.6	18
62	Molecular Borromean Rings Based on Dihalogenated Ligands. <i>CheM</i> , 2017, 3, 110-121.	5.8	94
63	Template-directed photochemical [2+2] cycloaddition within discrete assemblies. <i>Scientia Sinica Chimica</i> , 2017, 47, 705-712.	0.2	8
64	Facile Separation of Regioisomeric Compounds by a Heteronuclear Organometallic Capsule. <i>Journal of the American Chemical Society</i> , 2016, 138, 10700-10707.	6.6	102
65	Facile Synthesis of Size-Tunable Functional Polyimidazolium Macrocycles through a Photochemical Closing Strategy. <i>Chemistry - A European Journal</i> , 2015, 21, 17610-17613.	1.7	43
66	Photochemical Modification of Carbene-Based Metallacycles: A Facile Route to Polycarbene Complexes and Their Derivatives. <i>Organometallics</i> , 2015, 34, 5801-5806.	1.1	18
67	Reversible Photochemical Modifications in Dicarbene-Derived Metallacycles with Coumarin Pendants. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4958-4962.	7.2	110
68	Synthesis of a new type of alkene metal complex using face-capping thione-alkene ligands. <i>Dalton Transactions</i> , 2015, 44, 8797-8800.	1.6	14
69	Half-Sandwich Iridium- and Rhodium-based Organometallic Architectures: Rational Design, Synthesis, Characterization, and Applications. <i>Accounts of Chemical Research</i> , 2014, 47, 3571-3579.	7.6	225
70	Stepwise Construction of Discrete Heterometallic Coordination Cages Based on Self-Sorting Strategy. <i>Journal of the American Chemical Society</i> , 2014, 136, 2982-2985.	6.6	120
71	Cyclometalated [Cp*M(C ^X)] (M = Ir, Rh; X = N, C, O, P) complexes. <i>Chemical Society Reviews</i> , 2014, 43, 2799-2823.	18.7	228
72	H ₂ -Initiated Reversible Switching between Two-Dimensional Metallacycles and Three-Dimensional Cylinders. <i>Journal of the American Chemical Society</i> , 2014, 136, 14608-14615.	6.6	60

#	ARTICLE	IF	CITATIONS
73	Synthesis, Characterization, and Properties of Half-Sandwich Iridium/Rhodium-Based Metallarectangles. <i>Organometallics</i> , 2014, 33, 3091-3095.	1.1	37
74	Postsynthetic Modification of Dicarbene-Derived Metallacycles via Photochemical [2 + 2] Cycloaddition. <i>Journal of the American Chemical Society</i> , 2013, 135, 9263-9266.	6.6	143
75	Synthesis and Structural characterization of half-sandwich iridium macro-metallacycles containing 1,5-dihydroxy-9,10- anthraquinone ligand. <i>Journal of Organometallic Chemistry</i> , 2012, 708-709, 31-36.	0.8	6
76	Efficient Route to Organometallic Cage Formation via C-H Activation-Directed Multicomponent Assembly Accompanying Aromatic Guest Encapsulation. <i>Organometallics</i> , 2012, 31, 995-1000.	1.1	25
77	Self-Assembled Hexanuclear Organometallic Cages: Synthesis, Characterization, and Guest Properties. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1243-1250.	1.7	27
78	Discrete half-sandwich Ir, Rh-based organometallic molecular boxes: synthesis, characterization, and their properties. <i>Dalton Transactions</i> , 2011, 40, 10370.	1.6	20
79	Flexible Organometallic Cages: Efficient Formation by C-H Activation-Directed Multicomponent Assembly, Isomerization, and Guest Properties. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1348-1352.	1.7	23
80	Construction of Tetranuclear Macrocyces through C-H Activation and Structural Transformation Induced by [2+2] Photocycloaddition Reaction. <i>Chemistry - A European Journal</i> , 2011, 17, 1863-1871.	1.7	65
81	Inside Cover: Construction of Tetranuclear Macrocyces through C-H Activation and Structural Transformation Induced by [2+2] Photocycloaddition Reaction (<i>Chem. Eur. J.</i> 6/2011). <i>Chemistry - A European Journal</i> , 2011, 17, 1710-1710.	1.7	1
82	Efficient formation of organoiridium macrocyces via C-H activation directed self-assembly. <i>Chemical Communications</i> , 2010, 46, 3556.	2.2	33
83	Host-guest chemistry with bi- and tetra-nuclear macrocyclic metallasupramolecules. <i>Chemical Communications</i> , 2010, 46, 6879.	2.2	135
84	[2+2] Photodimerization in the Solid State Aided by Molecular Templates of Rectangular Macrocyces Bearing Oxamidato Ligands. <i>Organometallics</i> , 2010, 29, 2842-2849.	1.1	65
85	Synthesis and structural characterization of binuclear half-sandwich iridium, rhodium and ruthenium complexes containing 4,4'-dipyridyldisulfide (4DPDS) ligands. <i>Dalton Transactions</i> , 2010, 39, 7119.	1.6	20
86	Self-assembled half-sandwich Ir, Rh-based organometallic molecular boxes for reversible trapping of halocarbon molecules. <i>Dalton Transactions</i> , 2010, 39, 3976.	1.6	30
87	Extending Rectangular Metal-Organic Frameworks to the Third Dimension: Discrete Organometallic Boxes for Reversible Trapping of Halocarbons Occurring with Conservation of the Lattice. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6234-6238.	7.2	152
88	Stepwise Formation of Half-Sandwich Iridium-Based Rectangles Containing 2,5-Diarylamino-1,4-benzoquinone Derivatives Linkers. <i>Organometallics</i> , 2009, 28, 3459-3464.	1.1	48
89	Stepwise formation of organometallic macrocyces, prisms and boxes from Ir, Rh and Ru-based half-sandwich units. <i>Chemical Society Reviews</i> , 2009, 38, 3419.	18.7	307
90	Half-sandwich Ir-based neutral organometallic macrocyces containing pyridine-4-thiolato ligands. <i>Dalton Transactions</i> , 2009, , 2077.	1.6	29

#	ARTICLE	IF	CITATIONS
91	Stepwise formation of "organometallic boxes" with half-sandwich Ir, Rh and Ru fragments. Chemical Communications, 2008, , 350-352.	2.2	81
92	Template-controlled topochemical photodimerization based on "organometallic macrocycles" through single-crystal to single-crystal transformation. Chemical Communications, 2008, , 1807.	2.2	131
93	Synthesis, Characterization, and Electrochemical Properties of Molecular Rectangles of Half-Sandwich Iridium Complexes Containing Bridging Chloranilate Ligands. Organometallics, 2008, 27, 4088-4097.	1.1	61
94	Stepwise Formation of Molecular Rectangles of Half-Sandwich Rhodium and Ruthenium Complexes Containing Bridging Chloranilate Ligands. Organometallics, 2008, 27, 5002-5008.	1.1	49
95	Post-assembly modification of discrete poly"NHC" derived organometallic assemblies. Applied Organometallic Chemistry, 0, , .	1.7	0