

Ying-Feng Han

List of Publications by Citations

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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.

92
papers

3,530
citations

32
h-index

57
g-index

101
ext. papers

4,074
ext. citations

9.2
avg, IF

5.98
L-index

#	Paper	IF	Citations
92	Stepwise formation of organometallic macrocycles, prisms and boxes from Ir, Rh and Ru-based half-sandwich units. <i>Chemical Society Reviews</i> , 2009 , 38, 3419-34	58.5	292
91	Cyclometalated [Cp*M(C ^X)] (M = Ir, Rh; X = N, C, O, P) complexes. <i>Chemical Society Reviews</i> , 2014 , 43, 2799-823	58.5	207
90	Half-sandwich iridium- and rhodium-based organometallic architectures: rational design, synthesis, characterization, and applications. <i>Accounts of Chemical Research</i> , 2014 , 47, 3571-9	24.3	194
89	Preparation and Post-Assembly Modification of Metallosupramolecular Assemblies from Poly(N-Heterocyclic Carbene) Ligands. <i>Chemical Reviews</i> , 2018 , 118, 9587-9641	68.1	179
88	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, 6234-8	16.4	144
87	Host-guest chemistry with bi- and tetra-nuclear macrocyclic metallasupramolecules. <i>Chemical Communications</i> , 2010 , 46, 6879-90	5.8	130
86	Postsynthetic modification of dicarbene-derived metallacycles via photochemical [2 + 2] cycloaddition. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9263-6	16.4	126
85	Template-controlled topochemical photodimerization based on "organometallic macrocycles" through single-crystal to single-crystal transformation. <i>Chemical Communications</i> , 2008 , 1807-9	5.8	126
84	Stepwise construction of discrete heterometallic coordination cages based on self-sorting strategy. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2982-5	16.4	109
83	Reversible photochemical modifications in dicarbene-derived metallacycles with coumarin pendants. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4958-62	16.4	96
82	Template Synthesis of Three-Dimensional Hexakisimidazolium Cages. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5161-5165	16.4	83
81	Molecular Borromean Rings Based on Dihalogenated Ligands. <i>Chem</i> , 2017 , 3, 110-121	16.2	79
80	Facile Separation of Regioisomeric Compounds by a Heteronuclear Organometallic Capsule. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10700-7	16.4	78
79	Stepwise formation of "organometallic boxes" with half-sandwich Ir, Rh and Ru fragments. <i>Chemical Communications</i> , 2008 , 350-2	5.8	78
78	Homo- and Heteroligand Poly-NHC Metal Assemblies: Synthesis by Narcissistic and Social Self-Sorting. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15767-15771	16.4	75
77	Supramolecular Control of Photocycloadditions in Solution: In Situ Stereoselective Synthesis and Release of Cyclobutanes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3986-3991	16.4	65
76	Construction of tetranuclear macrocycles through C-H activation and structural transformation induced by [2+2] photocycloaddition reaction. <i>Chemistry - A European Journal</i> , 2011 , 17, 1863-71	4.8	63

75	[2+2] Photodimerization in the Solid State Aided by Molecular Templates of Rectangular Macrocycles Bearing Oxamidato Ligands. <i>Organometallics</i> , 2010 , 29, 2842-2849	3.8	63
74	Synthesis, Characterization, and Electrochemical Properties of Molecular Rectangles of Half-Sandwich Iridium Complexes Containing Bridging Chloranilate Ligands. <i>Organometallics</i> , 2008 , 27, 4088-4097	3.8	61
73	H ₂ -initiated reversible switching between two-dimensional metallacycles and three-dimensional cylinders. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14608-15	16.4	51
72	Strategy for the Construction of Diverse Poly-NHC-Derived Assemblies and Their Photoinduced Transformations. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10073-10080	16.4	51
71	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	3.5	49
70	Stepwise Formation of Half-Sandwich Iridium-Based Rectangles Containing 2,5-Diarylamino-1,4-benzoquinone Derivatives Linkers. <i>Organometallics</i> , 2009 , 28, 3459-3464	3.8	48
69	Stepwise Formation of Molecular Rectangles of Half-Sandwich Rhodium and Ruthenium Complexes Containing Bridging Chloranilate Ligands. <i>Organometallics</i> , 2008 , 27, 5002-5008	3.8	45
68	A triptycene-based porous hydrogen-bonded organic framework for guest incorporation with tailored fitting. <i>Chemical Communications</i> , 2017 , 53, 3677-3680	5.8	42
67	Self-Assembly, Structural Transformation, and Guest-Binding Properties of Supramolecular Assemblies with Triangular Metal-Metal Bonded Units. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2524-2531	16.4	41
66	Ultrastable and Highly Catalytically Active N-Heterocyclic-Carbene-Stabilized Gold Nanoparticles in Confined Spaces. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16683-16689	16.4	40
65	Facile Synthesis of Size-Tunable Functional Polyimidazolium Macrocycles through a Photochemical Closing Strategy. <i>Chemistry - A European Journal</i> , 2015 , 21, 17610-3	4.8	40
64	C-Symmetric Assemblies from Trigonal Polycarbene Ligands and M Ions for the Synthesis of Three-Dimensional Polyimidazolium Cations. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13360-13364	16.4	39
63	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	16.4	37
62	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</i> , 2009 , 121, 6352-6356	3.6	36
61	Templatsynthese dreidimensionaler Hexakisimidazolium-Käfige. <i>Angewandte Chemie</i> , 2018 , 130, 5256-5261	16.4	33
60	Synthesis, Characterization, and Properties of Half-Sandwich Iridium/Rhodium-Based Metallarectangles. <i>Organometallics</i> , 2014 , 33, 3091-3095	3.8	32
59	Efficient formation of organoiridium macrocycles via C-H activation directed self-assembly. <i>Chemical Communications</i> , 2010 , 46, 3556-8	5.8	32
58	Reversible photochemische Modifikationen an Metallacyclen aus Dicarbenen mit Cumarinsubstituenten. <i>Angewandte Chemie</i> , 2015 , 127, 5042-5046	3.6	29

57	Self-assembled half-sandwich Ir, Rh-based organometallic molecular boxes for reversible trapping of halocarbon molecules. <i>Dalton Transactions</i> , 2010 , 39, 3976-84	4.3	29
56	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	4.9	29
55	Chelating Bis(N-Heterocyclic Carbene) Palladium-Catalyzed Reactions. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2257-2276	4.5	28
54	Half-sandwich Ir-based neutral organometallic macrocycles containing pyridine-4-thiolato ligands. <i>Dalton Transactions</i> , 2009 , 2077-80	4.3	27
53	Self-assembled hexanuclear organometallic cages: synthesis, characterization, and host-guest properties. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1243-50	4.5	26
52	Homo- and Heteroligand Poly-NHC Metal Assemblies: Synthesis by Narcissistic and Social Self-Sorting. <i>Angewandte Chemie</i> , 2018 , 130, 15993-15997	3.6	25
51	Efficient Route to Organometallic Cage Formation via C-H Activation-Directed Multicomponent Assembly Accompanying Aromatic Guest Encapsulation. <i>Organometallics</i> , 2012 , 31, 995-1000	3.8	24
50	Metal-Carbene-Templated Photochemistry in Solution: A Universal Route towards Cyclobutane Derivatives. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 1147-1152	4.9	22
49	Flexible organometallic cages: efficient formation by C-H activation-directed multicomponent assembly, isomerization, and host-guest properties. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1348-52	4.5	22
48	Discrete half-sandwich Ir, Rh-based organometallic molecular boxes: synthesis, characterization, and their properties. <i>Dalton Transactions</i> , 2011 , 40, 10370-5	4.3	20
47	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, 7119-24	4.3	19
46	Backbone-Directed Self-Assembly of Interlocked Molecular Cyclic Metalla[3]Catenanes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13516-13520	16.4	18
45	Photodrivensolid-state multiple [2 + 2] cycloaddition strategies for the construction of polycyclobutane derivatives. <i>CrystEngComm</i> , 2019 , 21, 4673-4683	3.3	18
44	Efficient synthesis of carborane azo derivatives and their reactivity. <i>Dalton Transactions</i> , 2017 , 46, 1585-1592	4.9	17
43	Photochemical Modification of Carbene-Based Metallacycles: A Facile Route to Polycarbene Complexes and Their Derivatives. <i>Organometallics</i> , 2015 , 34, 5801-5806	3.8	17
42	Coordination-Induced Emission from Tetraphenylethylene Units and Their Applications. <i>Chemistry - A European Journal</i> , 2021 , 27, 1556-1575	4.8	17
41	Synthesis, Characterization, and Catalytic Activities of Palladium Complexes with Phenylene-Bridged Bis(thione) Ligands. <i>Organometallics</i> , 2019 , 38, 1946-1954	3.8	15
40	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	3.8	15

39	A macrocyclic silver polycarbene complex based on 1,2,4-triazole units: synthesis and postsynthetic modification. <i>Dalton Transactions</i> , 2018 , 47, 4267-4272	4.3	15
38	C3-Symmetric Assemblies from Trigonal Polycarbene Ligands and MI Ions for the Synthesis of Three-Dimensional Polyimidazolium Cations. <i>Angewandte Chemie</i> , 2019 , 131, 13494-13498	3.6	15
37	Strategies for the construction of supramolecular assemblies from poly-NHC ligand precursors. <i>Science China Chemistry</i> , 2021 , 64, 701-718	7.9	15
36	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	4.3	14
35	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	4.9	13
34	Synthesis, Characterization, and Properties of Tetraphenylethylene-Based Tetrakis-NHC Ligands and Their Metal Complexes. <i>Chemistry - A European Journal</i> , 2019 , 25, 9764-9770	4.8	12
33	Synthesis, Characterization, and Properties of Organometallic Molecular Cylinders Bearing Bulky Imidazo[1,5-a]pyridine-Based N-Heterocyclic Carbene Ligands. <i>Chemistry - A European Journal</i> , 2019 , 25, 5472-5479	4.8	11
32	Synthesis of a new type of alkene metal complex using face-capping thione-alkene ligands. <i>Dalton Transactions</i> , 2015 , 44, 8797-800	4.3	11
31	N-Heterocyclic Carbene as a Surface Platform for Assembly of Homochiral Metal-Organic Framework Thin Films in Chiral Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38357-38364	9.5	11
30	Multistimuli-Responsive Fluorescent Organometallic Assemblies Based on Mesoionic Carbene-Decorated Tetraphenylethene Ligands and Their Applications in Cell Imaging. <i>CCS Chemistry</i> , 957-968	7.2	11
29	Supramolecular Control of Photocycloadditions in Solution: In Situ Stereoselective Synthesis and Release of Cyclobutanes. <i>Angewandte Chemie</i> , 2019 , 131, 4026-4031	3.6	11
28	Template Synthesis of Metal Nanoparticles within Organic Cages. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 1289-1290	4.9	10
27	Regioselective N- and C-Metalation of Neutral 2-Halogenobenzimidazole Derivatives. <i>Organometallics</i> , 2019 , 38, 3278-3285	3.8	9
26	Strategy for the Construction of Diverse Poly-NHC-Derived Assemblies and Their Photoinduced Transformations. <i>Angewandte Chemie</i> , 2020 , 132, 10159-10166	3.6	9
25	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	8.1	9
24	Template-directed photochemical [2+2] cycloaddition within discrete assemblies. <i>Scientia Sinica Chimica</i> , 2017 , 47, 705-712	1.6	8
23	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	7.9	7
22	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	2.3	6

21	N-Heterocyclic carbenes and their precursors in functionalised porous materials. <i>Chemical Society Reviews</i> , 2021 ,	58.5	6
20	Supramolecular Construction of a [16]-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	4.8	5
19	Process-tracing study on the post-assembly modification of poly-NHC-based metallocsupramolecular cylinders with tunable aggregation-induced emission. <i>Chemical Communications</i> , 2019 , 55, 13689-13692	5.8	5
18	Supramolecular-induced regiocontrol over the photochemical [4 + 4] cyclodimerization of NHC- or azole-substituted anthracenes. <i>Chemical Science</i> , 2020 , 12, 2165-2171	9.4	4
17	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	16.4	4
16	Photoinduced E to Z isomerization of tetraphenylethylene derivatives within organometallic supramolecular assemblies. <i>Science China Chemistry</i> , 2021 , 64, 1709-1715	7.9	3
15	Synthesis, Characterization, and Structural Transformation of Picolyl-Functionalized Polynuclear Silver(I) and Gold(I)-Heterocyclic Carbene Complexes. <i>Organometallics</i> , 2021 , 40, 1474-1481	3.8	3
14	Formation of Functional Cyclooctadiene Derivatives by Supramolecularly- Controlled Topochemical Reactions and Their Use as Highly Selective Fluorescent Biomolecule Probes. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1040-1044	4.9	3
13	A metal-carbene template approach enables efficient synthesis of a functionalized cage-annulated crown ether. <i>Chemical Communications</i> , 2021 , 57, 8584-8587	5.8	3
12	Backbone-Directed Self-Assembly of Interlocked Molecular Cyclic Metalla[3]Catenanes. <i>Angewandte Chemie</i> , 2020 , 132, 13618-13622	3.6	2
11	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> , 1	10	2
10	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	4.8	2
9	Chiral Coordination Metallacycles/Metallacages for Enantioselective Recognition and Separation. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2273-2286	4.9	2
8	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	2.5	2
7	Template-driven construction of [8]-imidazolium macrocycles. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 14315-1436	14.36	2
6	Synthesis and properties of cyclic tetracarbene-based organometallic assemblies. <i>Journal of Organometallic Chemistry</i> , 2020 , 917, 121250	2.3	1
5	A trefoil-shaped macrocycle with 12 imidazolium cations. <i>Chinese Chemical Letters</i> , 2022 ,	8.1	1
4	Supramolecular Template-Assisted Catalytic [2+2] Photocycloaddition in Homogeneous Solution. <i>CCS Chemistry</i> , 1-17	7.2	1

- 3 Incorporation of Core-Twisted Perylene Bisimide Ligands into a Discrete Cp*Rh-Based Molecular-Rectangle via Coordination-Driven Self-Assembly. *Israel Journal of Chemistry*, **2019**, 59, 311-316^{3.4} ○
- 2 Ultrastable and Highly Catalytically Active N-Heterocyclic-Carbene-Stabilized Gold Nanoparticles in Confined Spaces. *Angewandte Chemie*, **2020**, 132, 16826 3.6
- 1 Inside Cover: Construction of Tetranuclear Macrocycles through C-H Activation and Structural Transformation Induced by [2+2] Photocycloaddition Reaction (Chem. Eur. J. 6/2011). *Chemistry - A European Journal*, **2011**, 17, 1710-1710 4.8