

# Yuhui Hua

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Metallaaromatic Chemistry: History and Development. <i>Chemical Reviews</i> , 2020, 120, 12994-13086.	47.7	130
2	Tuning an Electrode Work Function Using Organometallic Complexes in Inverted Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2021, 143, 7759-7768.	13.7	85
3	Multicenter- $\sigma$ -Bond-Based Quantum Interference in Charge Transport Through Single-Molecule Carborane Junctions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10601-10605.	13.8	59
4	Reactions of Isocyanides with Metal Carbyne Complexes: Isolation and Characterization of Metallacyclopropenimine Intermediates. <i>Journal of the American Chemical Society</i> , 2017, 139, 1822-1825.	13.7	57
5	Multiyne chains chelating osmium via three metal-carbon $\sigma$ bonds. <i>Nature Communications</i> , 2017, 8, 1912.	12.8	51
6	Total Synthesis of Aplydactone by a Conformationally Controlled C-H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8187-8190.	13.8	46
7	Addition of alkynes and osmium carbynes towards functionalized $\pi$ -conjugated systems. <i>Nature Communications</i> , 2020, 11, 4651.	12.8	41
8	Metallapentalenofurans and Lactone-Fused Metallapentalynes. <i>Chemistry - A European Journal</i> , 2017, 23, 6426-6431.	3.3	39
9	Constraint of a ruthenium-carbon triple bond to a five-membered ring. <i>Science Advances</i> , 2018, 4, eaat0336.	10.3	38
10	Selective Difunctionalization of Unactivated Aliphatic Alkenes Enabled by a Metal-Metallaaromatic Catalytic System. <i>Journal of the American Chemical Society</i> , 2022, 144, 2301-2310.	13.7	38
11	History and Development. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 11.	1.3	28
12	$\sigma$ -Carbolong-polymers with near infrared triggered, spatially resolved and rapid self-healing properties. <i>Polymer Chemistry</i> , 2019, 10, 386-394.	3.9	27
13	Site-Specific Photochemical Desaturation Enables Divergent Syntheses of <i>Illicium</i> Sesquiterpenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 3256-3263.	13.7	26
14	Synthesis of Five-Membered Osmacycles with Osmium-Vinyl Bonds from Hydrido Alkenylcarbyne Complexes. <i>Organometallics</i> , 2015, 34, 340-347.	2.3	22
15	Modularized Tuning of Charge Transport through Highly Twisted and Localized Single-Molecule Junctions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3453-3458.	4.6	22
16	Merging C-H Vinylation with Switchable $\sigma$ -Electrocyclizations for Divergent Heterocycle Synthesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 15585-15594.	13.7	21
17	Reactions of Cyclic Osmacarbyne with Coinage Metal Complexes. <i>Organometallics</i> , 2018, 37, 1788-1794.	2.3	19
18	Asymmetric Total Synthesis of (+)-Majusculoic Acid via a Dimerization-Dedimerization Strategy and Absolute Configuration Assignment. <i>Organic Letters</i> , 2018, 20, 1477-1480.	4.6	17

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19	NIR-responsive metal-containing polymer hydrogel for light-controlled microvalve. <i>Polymer Chemistry</i> , 2021, 12, 3375-3382.	3.9	17
20	Electrophilic aromatic substitution reactions of compounds with Craig-Möbius aromaticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
21	Rhodapentalenes: Pincer Complexes with Internal Aromaticity. <i>IScience</i> , 2019, 19, 1214-1224.	4.1	13
22	Metallapentalenofuran: Shifting Metallafuran Rings Promoted by Substituent Effects. <i>Chemistry - A European Journal</i> , 2018, 24, 14531-14538.	3.3	12
23	Multicenter-Bond-Based Quantum Interference in Charge Transport Through Single-Molecule Carborane Junctions. <i>Angewandte Chemie</i> , 2019, 131, 10711-10715.	2.0	11
24	Carbonyl Chemistry: Planar CCCCX-Type (X=N, O, S) Pentadentate Chelates by Formal [3+1] Cycloadditions of Metalla-Azirines with Terminal Alkynes. <i>CCS Chemistry</i> , 2021, 3, 758-763.	7.8	11
25	The First $\text{OCCCCO}$ Pentadentate Chelates: Osmium Mediated Stepwise Oxidations of Terminal Alkynes by Pyridine $\text{N-Oxide}$ . <i>Chinese Journal of Chemistry</i> , 2020, 38, 1273-1279.	4.9	10
26	Carbonyl chemistry: nucleophilic aromatic substitution of a triflate functionalized iridapentalene. <i>Chemical Communications</i> , 2021, 57, 8464-8467.	4.1	9
27	Total Synthesis of Aplydactone by a Conformationally Controlled C-H Functionalization. <i>Angewandte Chemie</i> , 2017, 129, 8299-8302.	2.0	8
28	Synthesis and characterization of metallapentalenoxazetes by the [2+2] cycloaddition of metallapentalynes with nitrosoarenes. <i>Chemical Communications</i> , 2019, 55, 6237-6240.	4.1	8
29	Sequential Construction Strategy for Rational Design of Luminescent Iridacycles. <i>Organometallics</i> , 2015, 34, 4229-4237.	2.3	7
30	Carbonyl Complexes as Photothermal Materials. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 1743.	1.3	6
31	Boosting the performance and stability of inverted perovskite solar cells by using a carbonyl derivative to modulate the cathode interface. <i>Materials Chemistry Frontiers</i> , 0, , .	5.9	5
32	Domino enyne metathesis en route to skeletally diverse, privileged scaffolds: synthesis of the tricyclic core of pseudolaric acid F. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2771-2774.	4.5	4
33	Total Synthesis and Assignment of the Absolute Configuration of (+)-Omphalic Acid. <i>Organic Letters</i> , 2021, 23, 6972-6976.	4.6	4
34	Color-Tuning Strategy for Iridapolycycles $[(\text{N}^{\text{S}})\text{Ir}(\text{C}^{\text{S}})\text{ClPPh}_3]^+$ by the Synergistic Modifications on Both the $\text{C}^{\text{S}}$ and $\text{N}^{\text{S}}$ Units. <i>Organometallics</i> , 2017, 36, 4802-4809.	2.3	3
35	Synthesis and characterization of rhenia[10]annulynes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2895-2902.	6.0	3
36	Synthetic studies towards atkamine. <i>Chinese Chemical Letters</i> , 2021, 32, 668-671.	9.0	1

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37	Innentitelbild: Total Synthesis of Aplydactone by a Conformationally Controlled C <sup>α</sup> H Functionalization (Angew. Chem. 28/2017). Angewandte Chemie, 2017, 129, 8130-8130.	2.0	0