

# Shouquan Huo

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Highly Luminescent Tetradentate Bis-Cyclometalated Platinum Complexes: Design, Synthesis, Structure, Photophysics, and Electroluminescence Application. <i>Inorganic Chemistry</i> , 2010, 49, 5107-5119.	4.0	221
2	Highly Efficient, General Procedure for the Preparation of Alkylzinc Reagents from Unactivated Alkyl Bromides and Chlorides. <i>Organic Letters</i> , 2003, 5, 423-425.	4.6	181
3	Design, Synthesis, and Applications of Highly Phosphorescent Cyclometalated Platinum Complexes. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 1210-1245.	2.7	129
4	Remarkable effect of copper chloride on diiodination of zirconacyclopentadienes. <i>Tetrahedron Letters</i> , 1997, 38, 4099-4102.	1.4	110
5	A Novel, Highly Selective, and General Methodology for the Synthesis of 1,5-Diene-Containing Oligoisoprenoids of All Possible Geometrical Combinations Exemplified by an Iterative and Convergent Synthesis of Coenzyme Q10. <i>Organic Letters</i> , 2002, 4, 261-264.	4.6	105
6	Photophysical Properties of the Series <i>fac-</i> and <i>mer-</i> (1-Phenylisoquinolinato-N <sup>3</sup> -C <sup>2</sup> ) <sub>2</sub> (2-phenylpyridinato-N <sup>3</sup> ) <sub>2</sub> (C <sup>2</sup> =1 <sup>+</sup> ). <i>Inorganic Chemistry</i> , 2010, 49, 9151-9161.	4.0	60
7	Convenient preparative method of $\hat{1},\hat{1}^2$ -disubstituted cyclopentenone by zirconium promoted intermolecular coupling of an alkyne, EtMgBr (or ethylene) and CO. <i>Tetrahedron</i> , 1997, 53, 9123-9134.	1.9	66
8	Reaction of Zirconacyclopentadienes with CO in the Presence of <i>n</i> -BuLi. Selective Formation of Cyclopentenone Derivatives from Two Alkynes and CO. <i>Journal of the American Chemical Society</i> , 1999, 121, 1094-1095.	13.7	62
9	A Convenient and Asymmetric Protocol for the Synthesis of Natural Products Containing Chiral Alkyl Chains via Zr-Catalyzed Asymmetric Carboalumination of Alkenes. Synthesis of Phytol and Vitamins E and K $\epsilon$ . <i>Organic Letters</i> , 2001, 3, 3253-3256.	4.6	60
10	Improvement in Phosphorescence Efficiency through Tuning of Coordination Geometry of Tridentate Cyclometalated Platinum(II) Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 8922-8928.	4.0	60
11	Highly Luminescent Tridentate N <sup>3</sup> -C <sup>2</sup> N Platinum(II) Complexes Featured in Fused Five-Six-Membered Metallacycle and Diminishing Concentration Quenching. <i>Inorganic Chemistry</i> , 2011, 50, 8261-8273.	4.0	60
12	Highly Efficient, Selective, and General Method for the Preparation of Meridional Homo- and Heteroleptic Tris-cyclometalated Iridium Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 3155-3157.	4.0	50
13	Intermolecular Coupling Reaction of Alkynes with Vinyl Bromide with Selective Skeletal Rearrangement. <i>Journal of the American Chemical Society</i> , 1997, 119, 4561-4562.	13.7	45
14	Synthesis, Structure, Photophysics, and a DFT Study of Phosphorescent C <sup>2</sup> N <sup>3</sup> - and C <sup>2</sup> N <sup>3</sup> -Coordinated Platinum Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 11711-11722.	4.0	44
15	Hydroxycamptothecin-loaded Fe <sub>3</sub> O <sub>4</sub> nanoparticles induce human lung cancer cell apoptosis through caspase-8 pathway activation and disrupt tight junctions. <i>Cancer Science</i> , 2011, 102, 1216-1222.	3.9	41
16	Acridinone/Amine(carbazole)-Based Bipolar Molecules: Efficient Hosts for Fluorescent and Phosphorescent Emitters. <i>Organic Letters</i> , 2009, 11, 4310-4313.	4.6	39
17	Novel phosphorescent tetradentate bis-cyclometalated C <sup>2</sup> C <sup>2</sup> -N <sup>3</sup> N-coordinated platinum complexes: Structure, photophysics, and a synthetic adventure. <i>Polyhedron</i> , 2013, 52, 1030-1040.	2.2	37
18	Negishi coupling in the synthesis of advanced electronic, optical, electrochemical, and magnetic materials. <i>Organic Chemistry Frontiers</i> , 2015, 2, 416-445.	4.5	33

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19	Preparation and reactions of monocyclic bis(cyclopentadienyl)titanacyclopentenes and -pentadienes. <i>Journal of Organometallic Chemistry</i> , 2001, 633, 18-26.	1.8	30
20	Platinum-Catalyzed Double Acylation of 2-(Aryloxy)pyridines via Direct C-H Activation. <i>Organic Letters</i> , 2017, 19, 1606-1609.	4.6	29
21	Solvent-controlled switch of selectivity between sp <sup>2</sup> and sp <sup>3</sup> C-H bond activation by platinum(II). <i>Chemical Communications</i> , 2011, 47, 1902-1904.	4.1	28
22	Cytotoxicity of cyclometalated platinum complexes based on tridentate NCN and CNN-coordinating ligands: Remarkable coordination dependence. <i>Journal of Inorganic Biochemistry</i> , 2014, 134, 49-56.	3.5	27
23	Zirconium-catalyzed asymmetric carboalumination (ZACA reaction) of 1,4-dienes. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 512-515.	1.8	25
24	Regiospecific Acylation of Cycloplatinated Complexes: Scope, Limitations, and Mechanistic Implications. <i>Organometallics</i> , 2016, 35, 1313-1322.	2.3	23
25	Inhibition of Cdc42-intersectin interaction by small molecule ZCL367 impedes cancer cell cycle progression, proliferation, migration, and tumor growth. <i>Cancer Biology and Therapy</i> , 2019, 20, 740-749.	3.4	23
26	Steric effects of substituted quinolines on lithium coordination geometry. <i>Polyhedron</i> , 2007, 26, 3653-3660.	2.2	21
27	Reaction of <i>N</i> -isopropyl- <i>N</i> -phenyl-2,2'-bipyridin-6-amine with K <sub>2</sub> PtCl <sub>4</sub> : Selective C-H Bond Activation, C-N Bond Cleavage, and Selective Acylation. <i>Organometallics</i> , 2013, 32, 4828-4836.	2.3	17
28	Zirconium-catalyzed enantioselective carboalumination of "unactivated" alkenes as a new synthetic tool for asymmetric carbon-carbon bond formation. <i>Pure and Applied Chemistry</i> , 2002, 74, 151-157.	1.9	15
29	Formation of Zirconacyclohexadienes from Zirconacyclopentadienes and LiCHClSiR <sub>3</sub> . <i>Chemistry Letters</i> , 2000, 29, 218-219.	1.3	13
30	Allene formation by the reaction of olefins with propargyl silyl ethers mediated by a zirconocene complex. <i>Tetrahedron Letters</i> , 1997, 38, 8723-8726.	1.4	12
31	Preparation and reactions of Cp <sub>2</sub> HfRCl, Cp <sub>2</sub> HfRR <sup>2</sup> and hafnacyclopent-2-enes. <i>Journal of Organometallic Chemistry</i> , 1997, 547, 209-216.	1.8	9
32	Platinum in Chemistry: An Adventure from Phosphorescent Materials to Catalytic C-H Functionalization. <i>Chemical Record</i> , 2018, 18, 1583-1595.	5.8	9
33	Oxidative addition of heteroaromatic halides to Negishi reagent and subsequent cross-coupling reactions. <i>Tetrahedron Letters</i> , 2012, 53, 5389-5392.	1.4	8
34	Computational and Experimental Study on Selective sp <sup>2</sup> /sp <sup>3</sup> or Vinylic/Aryl Carbon-Hydrogen Bond Activation by Platinum(II): Geometries and Relative Stability of Isomeric Cycloplatinated Compounds. <i>Organometallics</i> , 2015, 34, 3303-3313.	2.3	6
35	A general method for the synthesis of E and/or Z oligoisoprenoids based on Pd-catalyzed homoallyl-alkenyl and homopropargyl-alkenyl cross coupling and Zr-catalyzed carboalumination. <i>Polyhedron</i> , 2000, 19, 591-592.	2.2	5
36	Theoretical Probe to the Mechanism of Pt-Catalyzed C-H Acylation Reaction: Possible Pathways for the Acylation Reaction of a Platinacycle. <i>Inorganic Chemistry</i> , 2020, 59, 555-562.	4.0	5

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37	Introducing an $\alpha$ -Keto Ester Functional Group through Pt-Catalyzed Direct C-H Acylation with Ethyl Chlorooxoacetate. ACS Omega, 2020, 5, 8393-8402.	3.5	5
38	A Comparative Study on Phosphorescent Cycloplatinated Complexes Based on Tridentate C <sup>N</sup> N-Coordinating Ligands and Phenylethynyl or Phenyl Ligand. Chinese Journal of Organic Chemistry, 2018, 38, 171.	1.3	4
39	Isomerization-Induced Multiple Reaction Pathways in Platinum-Catalyzed C-H Acylation Reaction of 2-Aryloxyridines. Organometallics, 2021, 40, 3158-3169.	2.3	3