Guohua Hou

List of Publications by Year
in descending order

60 papers	2,322 citations	159585 30 h-index	233421 45 g-index
68 all docs	68 docs citations	68 times ranked	1316 citing authors

#	Article	IF	Citations
1	Enantioselective Hydrogenation of Nâˆ’H Imines. Journal of the American Chemical Society, 2009, 131, 9882-9883.	13.7	171
2	Iridiumâˆ’Monodentate Phosphoramidite-Catalyzed Asymmetric Hydrogenation of Substituted Benzophenone Nâˆ’H Imines. Journal of the American Chemical Society, 2010, 132, 2124-2125.	13.7	123
3	Influence of the 5f Orbitals on the Bonding and Reactivity in Organoactinides: Experimental and Computational Studies on a Uranium Metallacyclopropene. Journal of the American Chemical Society, 2016, 138, 5130-5142.	13.7	95
4	Experimental and Computational Studies on the Reactivity of a Terminal Thorium Imidometallocene towards Organic Azides and Diazoalkanes. Angewandte Chemie - International Edition, 2014, 53, 11310-11314.	13.8	77
5	An Actinide Metallacyclopropene Complex: Synthesis, Structure, Reactivity, and Computational Studies. Journal of the American Chemical Society, 2014, 136, 17249-17261.	13.7	73
6	Rhodiumâ€Catalyzed Enantioselective and Diastereoselective Hydrogenation of Î²â€Ketoenamides: Efficient Access to <i>anti</i> 1,3â€Amino Alcohols. Angewandte Chemie - International Edition, 2009, 48, 6052-6054.	13.8	70
7	Highly Efficient Iridium-Catalyzed Asymmetric Hydrogenation of Unprotected Î²-Enamine Esters. Journal of the American Chemical Society, 2010, 132, 12844-12846.	13.7	69
8	Highly Efficient Enantioselective Synthesis of Chiral Sulfones by Rh-Catalyzed Asymmetric Hydrogenation. Journal of the American Chemical Society, 2019, 141, 1749-1756.	13.7	67
9	A Base-Free Terminal Actinide Phosphinidene Metallocene: Synthesis, Structure, Reactivity, and Computational Studies. Journal of the American Chemical Society, 2018, 140, 14511-14525.	13.7	62
10	Preparation of (Î·⁵-C₅Me₅)₂Th(bipy) and Its Reactivity toward Small Molecules. Organometallics, 2016, 35, 2129-2139.	2.3	60
11	Highly Efficient and Enantioselective Iridiumâ€Catalyzed Asymmetric Hydrogenation of <i>N</i>â€Arylimines. Advanced Synthesis and Catalysis, 2009, 351, 3123-3127.	4.3	59
12	Experimental and Computational Studies on the Formation of Thoriumâ€“Copper Heterobimetallics. Chemistry - A European Journal, 2016, 22, 13845-13849.	3.3	59
13	Highly Efficient Rh-Catalyzed Asymmetric Hydrogenation of Î±,Î²-Unsaturated Nitriles. Journal of the American Chemical Society, 2015, 137, 10177-10181.	13.7	57
14	A thorium metallacyclopentadiene complex: a combined experimental and computational study. Dalton Transactions, 2015, 44, 7927-7934.	3.3	54
15	Iridiumâ€Catalyzed Enantioselective Hydrogenation of Cyclic Imines. Advanced Synthesis and Catalysis, 2010, 352, 3121-3125.	4.3	48
16	Small Molecule Activation Mediated by a Thorium Terminal Imido Metallocene. Organometallics, 2015, 34, 3637-3647.	2.3	48
17	Small-Molecule Activation Mediated by a Uranium Bipyridyl Metallocene. Organometallics, 2017, 36, 1179-1187.	2.3	46
18	Experimental and Computational Studies on an Actinide Metallacyclocumulene Complex. Organometallics, 2015, 34, 5669-5681.	2.3	44

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19	An Alkali-Metal Halide-Bridged Actinide Phosphinidiide Complex. Inorganic Chemistry, 2019, 58, 1571-1590.	4.0	44
20	Experimental and Computational Studies of a Uranium Metallacyclocumulene. Organometallics, 2017, 36, 898-910.	2.3	42
21	Câ€“H bond activation induced by thorium metallacyclopropene complexes: a combined experimental and computational study. Chemical Science, 2015, 6, 4897-4906.	7.4	40
22	Intrinsic reactivity of a uranium metallacyclopropene toward unsaturated organic molecules. Dalton Transactions, 2016, 45, 16441-16452.	3.3	40
23	Experimental and Computational Studies on a Baseâ€Free Terminal Uranium Phosphinidene Metallocene. Chemistry - A European Journal, 2020, 26, 16888-16899.	3.3	40
24	Highly efficient iridium-catalyzed asymmetric hydrogenation of Î²-acylamino nitroolefins. Chemical Communications, 2014, 50, 12870-12872.	4.1	38
25	Enantioselective Direct Synthesis of Free Cyclic Amines via Intramolecular Reductive Amination. Organic Letters, 2017, 19, 4215-4218.	4.6	38
26	Steric and Electronic Influences of Internal Alkynes on the Formation of Thorium Metallacycles: A Combined Experimental and Computational Study. Organometallics, 2016, 35, 1384-1391.	2.3	37
27	Axial Chirality Control by 2,4â€Pentanediol for the Alternative Synthesis of C₃*â€TunePhos Chiral Diphosphine Ligands and Their Applications in Highly Enantioselective Rutheniumâ€Catalyzed Hydrogenation of Î²â€Keto Esters. Advanced Synthesis and Catalysis, 2009, 351, 2553-2557.	4.3	36
28	Kinetic resolution of racemic 2-substituted 1,2-dihydroquinolines via asymmetric Cu-catalyzed borylation. Chemical Science, 2017, 8, 4558-4564.	7.4	35
29	Enantioselective Hydrogenation of Diarylmethanimines for Synthesis of Chiral Diarylmethylamines. Journal of Organic Chemistry, 2016, 81, 6640-6648.	3.2	34
30	New Synthetic Strategy for Highâ€Enantiopurity Nâ€Protected Î±â€Amino Ketones and their Derivatives by Asymmetric Hydrogenation. Advanced Synthesis and Catalysis, 2011, 353, 253-256.	4.3	33
31	A base-free terminal thorium phosphinidene metallocene and its reactivity toward selected organic molecules. Dalton Transactions, 2019, 48, 2377-2387.	3.3	30
32	Uranium versus Thorium: Synthesis and Reactivity of [<i>Î·</i>⁵â€1,2,4â€(Me₃C)₃C₅H₂]₂[<i>Î·</i><sup>2< Chemistry - A European Journal, 2021, 27, 6767-6782.	3.3	29
33	Highly Efficient Rh^Iâ€Catalyzed Asymmetric Hydrogenation of Î²â€Amino Acrylonitriles. Chemistry - A European Journal, 2010, 16, 5301-5304.	3.3	28
34	Enantioselective Hydrogenation of Î²,Î²-Disubstituted Unsaturated Carboxylic Acids under Base-Free Conditions. Journal of Organic Chemistry, 2016, 81, 2070-2077.	3.2	27
35	Enantioselective Synthesis of Boryl Tetrahydroquinolines via Cu-Catalyzed Hydroboration. Journal of Organic Chemistry, 2018, 83, 1924-1932.	3.2	25
36	Preparation of a uranium metallacyclocumulene and its reactivity towards unsaturated organic molecules. Dalton Transactions, 2017, 46, 3716-3728.	3.3	23

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37	Experimental and computational studies on a three-membered diphosphido thorium metallaheterocycle [Î·⁵-1,3-(Me₃C)₂C₅H₃]₂Th[Î·²-P<sub>2</su Dalton Transactions, 2019, 48, 6921-6930.	3.3	23
38	A Lewis Base Supported Terminal Uranium Phosphinidene Metallocene. Inorganic Chemistry, 2020, 59, 14549-14563.	4.0	23
39	Synthesis of chiral cyclic amines via Ir-catalyzed enantioselective hydrogenation of cyclic imines. Organic and Biomolecular Chemistry, 2017, 15, 3006-3012.	2.8	21
40	Influence of the Lewis Base Ph₃PO on the Reactivity of the Uranium Phosphinidene (Î·⁵-C₅Me₅)₂U(â•P-2,4,6-^{<i>i</i>}Pr₃C₆H<su Organometallics, 2021, 40, 383-396.	2.3	21
41	Enantioselective Synthesis of Chiral Substituted 2,4-Diketoimidazolidines and 2,5-Diketopiperazines via Asymmetric Hydrogenation. Organic Letters, 2021, 23, 5734-5738.	4.6	21
42	(Î·⁵-C₅Me₅)₂U(=P-2,4,6-^{<i>t</i>}Bu₃C₆H<su Revisitedâ€"Its Intrinsic Reactivity toward Small Organic Molecules. Organometallics, 2020, 39, 4085-4101.	2.3	20
43	Developing chiral phosphorus ligands for asymmetric hydrogenations. Pure and Applied Chemistry, 2010, 82, 1429-1441.	1.9	19
44	Iridiumâ€Catalyzed Enantioselective Hydrogenation of Î²,Î²â€Disubstituted Nitroalkenes. Advanced Synthesis and Catalysis, 2015, 357, 3875-3879.	4.3	18
45	Synthesis of chiral lactams via asymmetric hydrogenation of Î±,Î²-unsaturated nitriles. Organic and Biomolecular Chemistry, 2016, 14, 4046-4053.	2.8	17
46	Nickel-Catalyzed Asymmetric Hydrogenation of Î³-Keto Acids, Esters, and Amides to Chiral Î³-Lactones and Î³-Hydroxy Acid Derivatives. Organic Letters, 2022, 24, 2722-2727.	4.6	17
47	Synthesis, Structure, and Reactivity of the Uranium Bipyridyl Complex [{Î·⁵-1,2,4-(Me₃Si)₃C₅H₂}₂U(bipy)]. Organometallics, 2022, 41, 1543-1557.	2.3	17
48	Small-Molecule Activation Mediated by [Î·⁵-1,3-(Me₃Si)₂C₅H₃]₂U(bipy). Inorganic Chemistry, 2022, 61, 6234-6251.	4.0	16
49	Asymmetric Hydrogenation of Î²-Aryloxy/Alkoxy Cinnamic Nitriles and Esters. Organic Letters, 2016, 18, 4916-4919.	4.6	15
50	Highly efficient asymmetric hydrogenation of cyano-substituted acrylate esters for synthesis of chiral Î³-lactams and amino acids. Organic and Biomolecular Chemistry, 2016, 14, 1216-1220.	2.8	15
51	Rh-Catalyzed Asymmetric Hydrogenation of 1,2-Dicyanoalkenes. Journal of Organic Chemistry, 2017, 82, 680-687.	3.2	15
52	Reactivity studies involving a Lewis base supported terminal uranium phosphinidene metallocene [Î·⁵-1,3-(Me₃C)₂C₅H₃]₂U(îۥP-2,4,6-ⁱPr<sub Dalton Transactions, 2021, 50, 8349-8363.	3.3	15
53	Influence of the 1,3-Bis(trimethylsilyl)cyclopentadienyl Ligand on the Reactivity of the Uranium Phosphinidene [Î·⁵-1,3-(Me₃Si)₂C₅H₃]₂U(â•P-2,4,6-<sup><i>i</i></su Organometallics, 2021, 40, 2149-2165.	2.3	15
54	Copper-Catalyzed Asymmetric Hydroboration of 2H-Chromenes Using a Chiral Diphosphine Ligand. Journal of Organic Chemistry, 2019, 84, 8638-8645.	3.2	10

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55	Cu-Catalyzed Asymmetric Hydroboration of Naphthylallylic Compounds for Enantioselective Synthesis of Chiral Boronates. Journal of Organic Chemistry, 2019, 84, 4318-4329.	3.2	8
56	Synthesis and reactivity of the uranium phosphinidene metallocene [Î·⁵-1,3-(Me₃Si)₂C₅H₃]₂U(î€P-2,4,6-ⁱPr<sub influence of the coordinated Lewis base. Dalton Transactions, 2021, 50, 12502-12516.	3.3	8
57	Highly enantioselective Ni-catalyzed asymmetric hydrogenation of Î²,Î²-disubstituted acrylic acids. Organic Chemistry Frontiers, 2022, 9, 4472-4477.	4.5	7
58	Rhâ€Catalyzed Asymmetric Hydrogenation of Î±,Î²â€•and Î²,Î²â€Disubstituted Unsaturated Boronate Esters. Chemistry - A European Journal, 2020, 26, 5961-5964.	3.3	6
59	Enantioselective Synthesis of Chiral Phosphonates via Rh/f-spiroPhos Catalyzed Asymmetric Hydrogenation of Î²,Î²-Disubstituted Unsaturated Phosphonates. Journal of Organic Chemistry, 2021, 86, 12034-12045.	3.2	5
60	Intrinsic reactivity of [Î·⁵-1,3-(Me₃Si)₂C₅H₃]₂U(Î·⁴-C<sub>4</su in small molecule activation. Dalton Transactions, 0, , .	3.3	3