

# Hao Guo

## List of Publications by Year in descending order

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73  
papers

1,907  
citations

331259

21  
h-index

276539

41  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2265  
citing authors

#	ARTICLE	IF	CITATIONS
1	New development in the enantioselective synthesis of spiro compounds. <i>Chemical Society Reviews</i> , 2018, 47, 5946-5996.	18.7	293
2	Enantioselective Lewis Acid Catalysis in Intramolecular [2+2] Photocycloaddition Reactions of Coumarins. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7782-7785.	7.2	139
3	Synthetic applications of vinyl cyclopropane opening. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2479-2490.	1.5	127
4	Novel strategies for catalytic asymmetric synthesis of C1-chiral 1,2,3,4-tetrahydroisoquinolines and 3,4-dihydrotetrahydroisoquinolines. <i>Organic Chemistry Frontiers</i> , 2015, 2, 288-299.	2.3	77
5	Facilitating Gold Redox Catalysis with Electrochemistry: An Efficient Chemicalâ€Oxidantâ€Free Approach. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17226-17230.	7.2	72
6	ESI-MS Studies on the Mechanism of Pd(0)-Catalyzed Three-Component Tandem Double Addition-Cyclization Reaction. <i>Journal of the American Chemical Society</i> , 2005, 127, 13060-13064.	6.6	70
7	Visible light sensitizer-catalyzed highly selective photo oxidation from thioethers into sulfoxides under aerobic condition. <i>Scientific Reports</i> , 2018, 8, 2205.	1.6	64
8	A reaction mode of carbene-catalysed aryl aldehyde activation and induced phenol OH functionalization. <i>Nature Communications</i> , 2017, 8, 15598.	5.8	55
9	Neighboring Group Participation of Phosphine Oxide Functionality in the Highly Regio- and Stereoselective Iodohydroxylation of 1,2-Allenyl Diphenyl Phosphine Oxides. <i>Journal of Organic Chemistry</i> , 2008, 73, 7934-7938.	1.7	54
10	[Pd(Ar-BIAN)(alkene)]-Catalyzed Highly Chemo-, Regio-, and Stereoselective Semihydrogenation of 1,2-Allenyl Phosphonates and Related Compounds. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4997-5000.	7.2	49
11	Eosin Y-catalyzed photooxidation of triarylphosphines under visible light irradiation and aerobic conditions. <i>RSC Advances</i> , 2017, 7, 13240-13243.	1.7	44
12	Substrateâ€Induced Dimerization Assembly of Chiral Macrocyclic Catalysts toward Cooperative Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2623-2627.	7.2	43
13	Amineâ€Catalyzed Direct Photoarylation of Unactivated Arenes. <i>Chemistry - an Asian Journal</i> , 2014, 9, 439-442.	1.7	41
14	Direct functionalization of poly(vinyl chloride) by photo-mediated ATRP without a deoxygenation procedure. <i>Polymer Chemistry</i> , 2016, 7, 3034-3045.	1.9	39
15	Merging photoredox catalysis with Lewis acid catalysis: activation of carbonâ€carbon triple bonds. <i>Chemical Communications</i> , 2016, 52, 9909-9912.	2.2	36
16	Construction of Nontoxic Polymeric UV-Absorber with Great Resistance to UV-Photoaging. <i>Scientific Reports</i> , 2016, 6, 25508.	1.6	35
17	Organophotocatalytic Synthesis of Phosphoramidates. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 719-723.	2.1	29
18	SET-LRP synthesis of novel polyallene-based well-defined amphiphilic graft copolymers in acetone. <i>Polymer Chemistry</i> , 2013, 4, 3132.	1.9	25

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19	Crosslinked poly(methyl methacrylate) with perfluorocyclobutyl aryl ether moiety as crosslinking unit: thermally stable polymer with high glass transition temperature. <i>RSC Advances</i> , 2020, 10, 1981-1988.	1.7	24
20	Rhodium-Catalyzed Highly Regioselective Hydroformylation-Hydrogenation of 1,2-Alkenyl Phosphine Oxides and Phosphonates. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1213-1217.	2.1	23
21	Catalyst-free photooxidation of triarylphosphines under aerobic conditions. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 706-709.	2.4	22
22	Cu(II)-Catalyzed 6-Photocyclization of Dienes. <i>Journal of Organic Chemistry</i> , 2016, 81, 12553-12558.	1.7	21
23	CuBr <sub>2</sub> -promoted cyclization and bromination of arene-alkynes: C-Br bond formation via reductive elimination of Cu(III) species. <i>Organic Chemistry Frontiers</i> , 2016, 3, 852-855.	2.3	20
24	Nitration and Cyclization of Arene-Alkynes: An Access to 9-Nitrophenathrenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 10518-10524.	1.7	20
25	Pd-Catalyzed Enantioselective Dicarbofunctionalization of Alkene to Access Disubstituted Dihydroisoquinoline. <i>Organic Letters</i> , 2021, 23, 4099-4103.	2.4	20
26	Facilitating Gold Redox Catalysis with Electrochemistry: An Efficient Chemical-Free Approach. <i>Angewandte Chemie</i> , 2019, 131, 17386-17390.	1.6	19
27	Light-Induced Intramolecular Iodine-Atom Transfer Radical Addition of Alkyne: An Approach from Aryl Iodide to Alkenyl Iodide. <i>Organic Letters</i> , 2019, 21, 9133-9137.	2.4	19
28	SET-LRP synthesis of PMHDO-g-PNIPAM well-defined amphiphilic graft copolymer. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1091-1098.	2.5	18
29	Apparatus for Low-Temperature Investigations: Phase Equilibrium Measurements for Systems Containing Ammonia. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 3883-3889.	1.0	18
30	Construction of a cross-layer linked G-octamer via conformational control: a stable G-quadruplex in H-bond competitive solvents. <i>Chemical Science</i> , 2019, 10, 4192-4199.	3.7	17
31	PDMAEMA-b-PPOA-b-PDMAEMA double-bond-containing amphiphilic triblock copolymer: synthesis, characterization, and pH-responsive self-assembly. <i>Polymer Chemistry</i> , 2017, 8, 6628-6635.	1.9	16
32	Thermo-enhanced osmotic power generator via lithium bromide and asymmetric sulfonated poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.8	16
33	Visible light induced oxidative hydroxylation of boronic acids. <i>Tetrahedron Letters</i> , 2019, 60, 660-663.	0.7	15
34	Synthesis of PMHDO-g-PDEAEA well-defined amphiphilic graft copolymer via successive living coordination polymerization and SET-LRP. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1099-1106.	2.5	14
35	Studies of Free Radical Polymerization Initiated by Visible Light Photoredox Catalysis. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1055-1060.	1.1	14
36	Substrate-Induced Dimerization Assembly of Chiral Macrocyclic Catalysts toward Cooperative Asymmetric Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 2645-2649.	1.6	14

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37	Synthesis and application of novel P-chiral monophosphorus ligands. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1589-1592.	2.3	14
38	ATRP synthesis of polyallene-based amphiphilic triblock copolymer. <i>Polymer Chemistry</i> , 2017, 8, 6997-7008.	1.9	13
39	Photoinduced Intramolecular Haloarylation and Hydroarylation of Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 981-985.	1.3	12
40	Polyallene-based amphiphilic triblock copolymer via successive free radical polymerization and ATRP. <i>Polymer Chemistry</i> , 2017, 8, 7537-7545.	1.9	12
41	Xenon binding by a tight yet adaptive chiral soft capsule. <i>Nature Communications</i> , 2020, 11, 6257.	5.8	12
42	Visible-Light-Induced Dehydrohalogenative Coupling for Intramolecular $\hat{\pm}$ -Alkenylation: A Way to Build Seven- and Eight-Membered Rings. <i>Organic Letters</i> , 2020, 22, 4372-4377.	2.4	12
43	Neodymium-catalyzed intramolecular alkyne-hydroarylation with arenes. <i>Tetrahedron Letters</i> , 2016, 57, 3235-3238.	0.7	11
44	Photoinduced HBr-catalyzed Si bond cleavage of benzylsilanes and their subsequent oxidation into benzoic acids with air as the terminal oxidant. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1201-1204.	2.3	10
45	Regulating vibrational modes to improve quantum efficiency: insights from theoretical calculations on iridium(III) complexes bearing tridentate NCN and NNC chelates. <i>Dalton Transactions</i> , 2019, 48, 5064-5071.	1.6	9
46	Luminescent properties of newly synthesized thioxanthone-polypyridyl derivatives and their metal-organic complexes. <i>Journal of Luminescence</i> , 2019, 212, 5-13.	1.5	9
47	Cu(II)-Catalyzed $\hat{\pm}$ -Photocyclization of Non- $\hat{\pm}$ Substrates. <i>Organic Letters</i> , 2020, 22, 5502-5505.	2.4	9
48	Synthesis of novel thioxanthone-containing macromolecular photosensitizer and its photocatalytic property. <i>Polymer</i> , 2019, 174, 101-108.	1.8	8
49	Photophysical and electrochemical properties of newly synthesized thioxathone-viologen binary derivatives and their photo-/electrochromic displays in ionic liquids and polymer gels. <i>New Journal of Chemistry</i> , 2020, 44, 3654-3663.	1.4	8
50	Double-bond-containing polyallene-based triblock copolymers via phenoxyallene and (meth)acrylate. <i>Scientific Reports</i> , 2017, 7, 43706.	1.6	7
51	Synthesis of PS-b-PPOA-b-PS triblock copolymer via sequential free radical polymerization and ATRP. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1366-1372.	2.5	7
52	Visible light-induced 4-phenylthioxanthone-catalyzed aerobic oxidation of triarylphosphines. <i>Tetrahedron Letters</i> , 2018, 59, 3880-3883.	0.7	7
53	UV-induced catalyst-free intramolecular formal Heck reaction. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 718-724.	2.4	7
54	Reversed Cation Selectivity of G8 Octamer and G16 Hexadecamer towards Monovalent and Divalent Cations. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1030-1034.	1.7	7

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55	Synthesis of <sup>15</sup> N-labeled heterocycles <i>via</i> the cleavage of C–N bonds of anilines and glycine- <sup>15</sup> N. <i>Chemical Communications</i> , 2021, 57, 5442-5445.	2.2	6
56	Visible light-induced one-pot synthesis of CF <sub>3</sub> /CF <sub>2</sub> -substituted cyclobutene derivatives. <i>Chemical Communications</i> , 2021, 57, 7441-7444.	2.2	6
57	Visible Light-Induced Pericyclic Cascade Reaction for the Synthesis of Quinolinone Derivatives with an Oxabicyclo[4.2.0]octene Skeleton. <i>Organic Letters</i> , 2021, 23, 2959-2963.	2.4	6
58	AlCl <sub>3</sub> -Catalyzed Intramolecular Hydroarylation of Arenes with Alkynes. <i>Synlett</i> , 2017, 28, 2159-2162.	1.0	5
59	Construction of Supramolecular Organogel with Circularly Polarized Luminescence by Self-Assembled Guanosine Octamer. <i>Cell Reports Physical Science</i> , 2020, 1, 100211.	2.8	5
60	Highly selective AlCl <sub>3</sub> initiated intramolecular $\alpha$ -alkylation of $\alpha,\beta$ -unsaturated lactams and lactones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 49-52.	1.5	4
61	Light-enabled, AlCl <sub>3</sub> -catalyzed regioselective intramolecular nucleophilic addition of non-nucleophilic alkyls to alkynes. <i>Chemical Communications</i> , 2020, 56, 11621-11624.	2.2	4
62	Development of mobile miniature natural gas liquefiers. <i>Frontiers in Energy</i> , 2020, 14, 667-682.	1.2	4
63	Transformation of Organostannanes Based on Photocleavage of C-Sn Bond via Single Electron Transfer Process. <i>Scientific Reports</i> , 2017, 7, 16559.	1.6	3
64	Photochemical Synthesis of 1,4-Dicarbonyl Bifluorene Compounds via Oxidative Radical Coupling Using TEMPO as the Oxygen Atom Donor. <i>Journal of Organic Chemistry</i> , 2021, 86, 3656-3666.	1.7	3
65	A study on the preparation of polycation gel polymer electrolyte for supercapacitors. <i>RSC Advances</i> , 2021, 11, 24995-25003.	1.7	3
66	Synthesis of microporous hydrogen-bonded supramolecular organic frameworks through guanosine self-assembly. <i>Cell Reports Physical Science</i> , 2021, 2, 100519.	2.8	3
67	Metal-Free Chemoselective Oxidation of 4-Methylquinolines into Quinoline Carbaldehydes. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3114-3117.	1.7	3
68	Double-bond-containing polyallene-based composite nanofibers. <i>Composites Communications</i> , 2022, 32, 101189.	3.3	3
69	Apparatus for accurate density measurements of fluids based on a magnetic suspension balance. , 2012, , .		2
70	Light-mediated, palladium-catalyzed cyclizations of unactivated 1,6-dienes. <i>Organic Chemistry Frontiers</i> , 2014, 1, 919-923.	2.3	2
71	Iron-catalyzed synthesis of phenanthrenes via intramolecular hydroarylation of arene-alkynes. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 967-972.	2.4	2
72	One-pot synthesis of cyclobutenecarboxylate derivatives via olefinic C-F bond functionalization of gem-difluoroalkenes. <i>Tetrahedron Letters</i> , 2022, 92, 153673.	0.7	2

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73	Anodic dearomatization of 2-alkynylanilines for the synthesis of multi-functionalized indoles. Chemical Communications, 2022, 58, 6797-6800.	2.2	2