Ge Gao

List of Publications by Year
in descending order

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74 papers	3,163 citations	159585 30 h-index	155660 55 g-index
96 all docs	96 docs citations	96 times ranked	3574 citing authors

#	Article	IF	Citations
1	Palladium(II)-Catalyzed Oxidative Câˆ'H/Câˆ'H Cross-Coupling of Heteroarenes. Journal of the American Chemical Society, 2010, 132, 1822-1824.	13.7	413
2	Copperâ€Catalyzed Direct C Arylation of Heterocycles with Aryl Bromides: Discovery of Fluorescent Core Frameworks. Angewandte Chemie - International Edition, 2009, 48, 3296-3300.	13.8	282
3	Highly Enantioselective Phenylacetylene Additions to Both Aliphatic and Aromatic Aldehydes. Organic Letters, 2002, 4, 4143-4146.	4.6	193
4	Unparalleled Ease of Access to a Library of Biheteroaryl Fluorophores via Oxidative Cross-Coupling Reactions: Discovery of Photostable NIR Probe for Mitochondria. Journal of the American Chemical Society, 2016, 138, 4730-4738.	13.7	181
5	Highly Selective Fluorescent Recognition of Sulfate in Water by Two Rigid Tetrakisimidazolium Macrocycles with Peripheral Chains. Journal of the American Chemical Society, 2013, 135, 14908-14911.	13.7	114
6	Highly Enantioselective Synthesis of Î³-Hydroxy-Î±,Î²-acetylenic Esters by Asymmetric Alkyne Addition to Aldehydes. Angewandte Chemie - International Edition, 2006, 45, 122-125.	13.8	111
7	Radical cascade cyanomethylation of activated alkenes to construct cyano substituted oxindoles. Chemical Communications, 2014, 50, 15049-15051.	4.1	108
8	Copper-Catalyzed Direct Aryl Quaternization of N-Substituted Imidazoles to Form Imidazolium Salts. Journal of Organic Chemistry, 2013, 78, 5723-5730.	3.2	93
9	Asymmetric Catalysis Special Feature Part I: Highly enantioselective alkyne additions to aldehydes in the presence of 1,1'-bi-2-naphthol and hexamethylphosphoramide. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5417-5420.	7.1	89
10	Squaraine-based colorimetric and fluorescent sensors for Cu2+-specific detection and fluorescence imaging in living cells. Tetrahedron, 2010, 66, 3695-3701.	1.9	81
11	2-Pyridylmethyl ether: a readily removable and efficient directing group for amino acidligand accelerated ortho-Câ€"H olefination of phenols. Chemical Communications, 2013, 49, 662-664.	4.1	81
12	Rh/Cuâ€Catalyzed Cascade [4+2] Vinylic Câˆ'H Oâ€Annulation and Ring Contraction of Î±â€Aryl Enones with Alkynes in Air. Angewandte Chemie - International Edition, 2017, 56, 4286-4289.	13.8	78
13	Synthesis and selective anion recognition of imidazolium cyclophanes. Tetrahedron, 2002, 58, 8993-8999.	1.9	71
14	A Highly synâ€Selective Nitroaldol Reaction Catalyzed by Cu^{II}â€"Bisimidazoline. Chemistry - A European Journal, 2010, 16, 6761-6765.	3.3	71
15	Two-Fold Câˆ'H/Câˆ'H Cross-Coupling Using RhCl₃Â·3H₂O as the Catalyst: Direct Fusion of N-(Hetero)arylimidazolium Salts and (Hetero)arenes. Journal of the American Chemical Society, 2018, 140, 12566-12573.	13.7	63
16	Crystallizationâ€Induced Reversal from Dark to Bright Excited States for Construction of Solidâ€Emissionâ€Tunable Squaraines. Angewandte Chemie - International Edition, 2020, 59, 10136-10142.	13.8	52
17	A simple approach to aggregation-induced emission in difluoroboron dibenzoylmethane derivatives. Tetrahedron Letters, 2013, 54, 4167-4170.	1.4	49
18	Cyclen-functionalized perylenebisimides as sensitive and selective fluorescent sensors for Pb2+ in aqueous solution. Chemical Communications, 2011, 47, 6668.	4.1	48

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19	Rh(<scp>iii</scp>)-catalyzed oxime ether-directed heteroarylation of arene through oxidative Câ€“H/Câ€“H cross-coupling. Chemical Communications, 2015, 51, 6190-6193.	4.1	47
20	An AIE active monoimidazolium skeleton: high selectivity and fluorescence turn-on for H2PO4â^' in acetonitrile and ClO4â^' in water. Chemical Communications, 2014, 50, 5623.	4.1	46
21	KRAS G12D mutation predicts lower TMB and drives immune suppression in lung adenocarcinoma. Lung Cancer, 2020, 149, 41-45.	2.0	46
22	Facile Access to Extremely Efficient Energy-Transfer Pairs via an Unexpected Reaction of Squaraines with Ketones. Journal of the American Chemical Society, 2012, 134, 11868-11871.	13.7	41
23	Cascade Câ€“H Annulation of Aldoximes with Alkynes Using O₂ as the Sole Oxidant: One-Pot Access to Multisubstituted Protoberberine Skeletons. Organic Letters, 2017, 19, 604-607.	4.6	41
24	Synthesis of unsymmetrical imidazolium salts by direct quaternization of N-substituted imidazoles using arylboronic acids. Chemical Communications, 2014, 50, 3941.	4.1	40
25	Cascade Câ€“H Annulation Reaction of Benzaldehydes, Anilines, and Alkynes toward Dibenzo[a,f]quinolizinium Salts: Discovery of Photostable Mitochondrial Trackers at the Nanomolar Level. Organic Letters, 2018, 20, 7071-7075.	4.6	40
26	Ligand-switching and counteranion-induced hierarchical self-assembly of silver-NHC complexes. Chemical Science, 2012, 3, 359-363.	7.4	36
27	Transitionâ€Metalâ€Free Formal Decarboxylative Coupling of Î±â€Oxocarboxylates with Î±â€Bromoketones under Neutral Conditions: A Simple Access to 1,3â€Diketones. Angewandte Chemie - International Edition, 2015, 54, 855-859.	13.8	34
28	Cu-catalyzed controllable Câ€“H mono-/di-/triarylations of imidazolium salts for ionic functional materials. Chemical Communications, 2017, 53, 3489-3492.	4.1	34
29	Rational Design of Fluorescent Bioimaging Probes by Controlling the Aggregation Behavior of Squaraines: A Special Effect of Ionic Liquid Pendants. Chemistry - A European Journal, 2010, 16, 5129-5137.	3.3	33
30	A facile access to substituted cationic 12-azapyrene salts by rhodium(<scp>iii</scp>)-catalyzed Câ€“H annulation of N-arylpyridinium salts. RSC Advances, 2016, 6, 66407-66411.	3.6	29
31	An air-stable half-sandwich Ru^{II}complex as an efficient catalyst for [3+2] annulation of 2-arylcyclo-2-enones with alkynes. Chemical Communications, 2016, 52, 4613-4616.	4.1	29
32	Novel bisimidazolium pincers as low loading ligands for in situ palladium-catalyzed Suzukiâ€“Miyaura reaction in the ambient atmosphere. Chemical Communications, 2013, 49, 1127.	4.1	28
33	Prognostic value of TP53 co-mutation status combined with EGFR mutation in patients with lung adenocarcinoma. Journal of Cancer Research and Clinical Oncology, 2020, 146, 2851-2859.	2.5	28
34	A methyl-shield strategy enables efficient blue thermally activated delayed fluorescence hosts for high-performance fluorescent OLEDs. Materials Horizons, 2021, 8, 2025-2031.	12.2	26
35	Ir-Catalyzed Cascade Câ€“H Fusion of Aldoxime Ethers and Heteroarenes: Scope and Mechanisms. ACS Catalysis, 2020, 10, 203-209.	11.2	24
36	A Convenient and Effective Synthesis of Tris-Bridged Tricationic Azolophanes. Synthetic Communications, 2000, 30, 4555-4561.	2.1	22

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37	Room-Temperature Coupling/Decarboxylation Reaction of Î±-Oxocarboxylates with Î±-Bromoketones: Solvent-Controlled Regioselectivity for 1,2- and 1,3-Diketones. Journal of Organic Chemistry, 2017, 82, 1403-1411.	3.2	22
38	Rh(<scp>iii</scp>)-Catalyzed regioselective Câ€“H [4 + 2] C-annulation of vinyl enaminones with alkynes to form polysubstituted salicylaldehydes. Organic Chemistry Frontiers, 2018, 5, 2875-2879.	4.5	22
39	Efficient Imidazolium Catalysts for the Benzoin Condensation. Journal of Chemical Research, 2002, 2002, 262-263.	1.3	20
40	Co(<scp>iii</scp>)-catalyzed Z-selective oxidative Câ€“H/Câ€“H cross-coupling of alkenes with triisopropylsilylacetylene. Chemical Communications, 2019, 55, 6118-6121.	4.1	20
41	One-pot synthesis of diarylimidazolium salts from 1H-imidazole. Chinese Chemical Letters, 2013, 24, 773-776.	9.0	17
42	Selfâ€Assembly of Discrete Homochiral, Helical, Hydrogenâ€Bonded Nanocages: From Vesicles to Microspheres and Tubules Capable of Gelating Solvents. Chemistry - A European Journal, 2010, 16, 2250-2257.	3.3	16
43	An AIE active Y-shaped diimidazolylbenzene: aggregation and disaggregation for Cd2+and Fe3+sensing in aqueous solution. Organic and Biomolecular Chemistry, 2014, 12, 9524-9527.	2.8	16
44	Tandem Rh-Catalyzed [4 + 2] Vinylic Câ€“H O-Annulation of Exocyclic Enones with Alkynes and 1,5-H Shift. Organic Letters, 2018, 20, 1074-1077.	4.6	16
45	Multistimuli-Responsive Squaraine Dyad Exhibiting Concentration-Controlled Vapochromic Luminescence. ACS Applied Materials & Interfaces, 2022, 14, 16611-16620.	8.0	15
46	Rh/Cuâ€Catalyzed Cascade [4+2] Vinylic Câ€™H Oâ€Annulation and Ring Contraction of Î±â€Aryl Enones with Alkynes in Air. Angewandte Chemie, 2017, 129, 4350-4353.	2.0	14
47	Synthesis of a Double-Helical Naphthotetraindole Core via an Intramolecular Dehydrogenative Homocoupling Reaction. Organic Letters, 2019, 21, 797-801.	4.6	14
48	Synthesis and characterization of a luminescent and fully rigid tetrakisimidazolium macrocycle. Chemical Communications, 2013, 49, 1832.	4.1	13
49	Supramolecular Assemblies of Chiral Propargylic Alcohols. Angewandte Chemie - International Edition, 2006, 45, 5358-5360.	13.8	12
50	Î³-Hydroxy-Î±,Î²-acetylenic esters: asymmetric syntheses and applications. Science China Chemistry, 2010, 53, 21-35.	8.2	11
51	Synthesis of Ï€-extended dibenzo[d,ķ]ullazines by a palladium-catalyzed double annulation using arynes. Chinese Chemical Letters, 2021, 32, 1407-1410.	9.0	10
52	Synthesis of Imidazole-Based [30]Heptaphyrin and Stable Figure-Eight [60]Tetradecaphyrins via [5 + 2] Condensations in One Pot. Organic Letters, 2021, 23, 3746-3750.	4.6	9
53	A Direct Synthetic Approach to Tripodal Imidazole Compounds. Journal of Chemical Research, 2002, 2002, 267-269.	1.3	8
54	Direct Câ€“H/Câ€“H cross-coupling of benzimidates with heteroarenes to access biheteroaryl-2-carbonitriles. Chemical Communications, 2019, 55, 10599-10602.	4.1	7

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55	Crystallizationâ€Induced Reversal from Dark to Bright Excited States for Construction of Solidâ€Emissionâ€Tunable Squaraines. Angewandte Chemie, 2020, 132, 10222-10228.	2.0	7
56	Rational design of BINOL-based diimidazolyl ligands: homochiral channel-like mono-component organic frameworks by hydrogen-bond-directed self-assembly. Organic and Biomolecular Chemistry, 2011, 9, 2618.	2.8	6
57	Nickel-Catalyzed 3,3-Dialkynylation of 2-Aryl Acrylamides: Direct Access to gem-Diethynylethenes via Double Vinylic Câ€“H Bond Activation. Organic Letters, 2021, 23, 1199-1203.	4.6	6
58	Synthesis and Evaluation of Millepachine Amino Acid Prodrugs With Enhanced Solubility as Antitumor Agents. Chemical Biology and Drug Design, 2015, 86, 559-567.	3.2	5
59	Copperâ€Catalyzed Direct C Arylation of Heterocycles with Aryl Bromides: Discovery of Fluorescent Core Frameworks. Angewandte Chemie - International Edition, 2009, 48, 4884-4884.	13.8	4
60	Highâ€Performance Ruthenium Sensitizers Containing Imidazolium Counterions for Efficient Dye Sensitization in Water. ChemSusChem, 2017, 10, 2914-2921.	6.8	4
61	Red fluorescent zwitterionic naphthalenediimides with di/mono-benzimidazolium and a negatively-charged oxygen substituent. Chemical Communications, 2021, 57, 9422-9425.	4.1	4
62	Synthesis of cationic Ï€-extended imidazolium salts by sequential Cu-catalyzed arylation/annulation and photocyclization. Chemical Communications, 2022, 58, 541-544.	4.1	4
63	Selective synthesis of novel biimidazole derivatives, bis-biimidazole and tri-biimidazole. Journal of Chemical Research, 2003, 2003, 668-670.	1.3	3
64	Ni(<scp>ii</scp>)-catalyzed Câ€“H hydroarylation of diarylacetylenes with imidazolium salts. Chemical Communications, 2022, 58, 2730-2733.	4.1	3
65	Planar Tetraindolodipleiadiene via Zirconium-Promoted Intramolecular Indolyl C4â€“H Homocoupling. Organic Letters, 2022, 24, 4197-4201.	4.6	3
66	New Host Molecules with Imidazoliums as Functional Arms: Syntheses and Anion Recognition. Chinese Journal of Chemistry, 2002, 20, 447-452.	4.9	2
67	Rigid chelating dicarbene ligands based on naphthyridine-fused bisimidazolium salts. Chinese Chemical Letters, 2022, 33, 2993-2996.	9.0	2
68	Thioether-Assisted Cu-Catalyzed C5â€“H Arylation of Imidazo[1,5-a]pyridines. Organic Letters, 2022, 24, 3834-3838.	4.6	2
69	Hydrothermal Synthesis and Crystal Structure of Two Polymorphs of (3-nitro-4-bromophenyl)Acetic Acid. Journal of Chemical Research, 2011, 35, 644-646.	1.3	1
70	Perylenebisimide-based Fluorescent Chemosensors for Selective Detection of Zn2+ in Aqueous Solution. Letters in Organic Chemistry, 2012, 9, 503-508.	0.5	1
71	Bisimidazole and Bisimidazolium Cruciforms: Synthesis and Discrimination of Organic Acids. Acta Chimica Sinica, 2013, 71, 20130906.	1.4	1
72	Highly Enantioselective Phenylacetylene Additions to Both Aliphatic and Aromatic Aldehydes.. ChemInform, 2003, 34, no.	0.0	0

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73	Selective Synthesis of Novel Biimidazole Derivatives, Bis-biimidazole and Tri-biimidazole.. ChemInform, 2004, 35, no.	0.0	0
74	A prototype of benzobis(imidazolium)-embedded conjugated polyelectrolyte: synthesis by direct Câ€'H arylation and fluorescent responses to anions. Chinese Chemical Letters, 2021, , .	9.0	0