

Ge Gao

List of Publications by Year in descending order

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159585

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docs citations

96
times ranked

3574
citing authors

#	ARTICLE	IF	CITATIONS
1	Rigid chelating dicarbene ligands based on naphthyridine-fused bisimidazolium salts. Chinese Chemical Letters, 2022, 33, 2993-2996.	9.0	2
2	Synthesis of cationic π -extended imidazolium salts by sequential Cu-catalyzed arylation/annulation and photocyclization. Chemical Communications, 2022, 58, 541-544.	4.1	4
3	Ni(II)-catalyzed C-H hydroarylation of diarylacetylenes with imidazolium salts. Chemical Communications, 2022, 58, 2730-2733.	4.1	3
4	Multistimuli-Responsive Squaraine Dyad Exhibiting Concentration-Controlled Vapochromic Luminescence. ACS Applied Materials & Interfaces, 2022, 14, 16611-16620.	8.0	15
5	Thioether-Assisted Cu-Catalyzed C-H Arylation of Imidazo[1,5-a]pyridines. Organic Letters, 2022, 24, 3834-3838.	4.6	2
6	Planar Tetraindolodiplediadiene via Zirconium-Promoted Intramolecular Indolyl C-H Homocoupling. Organic Letters, 2022, 24, 4197-4201.	4.6	3
7	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
8	Red fluorescent zwitterionic naphthalenediimides with di/mono-benzimidazolium and a negatively-charged oxygen substituent. Chemical Communications, 2021, 57, 9422-9425.	4.1	4
9	Nickel-Catalyzed 3,3-Dialkynylation of 2-Aryl Acrylamides: Direct Access to gem-Diethynylethenes via Double Vinylic C-H Bond Activation. Organic Letters, 2021, 23, 1199-1203.	4.6	6
10	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
11	Synthesis of π -extended dibenzo[d,k]ullazines by a palladium-catalyzed double annulation using arynes. Chinese Chemical Letters, 2021, 32, 1407-1410.	9.0	10
12	A prototype of benzobis(imidazolium)-embedded conjugated polyelectrolyte: synthesis by direct C-H arylation and fluorescent responses to anions. Chinese Chemical Letters, 2021, , .	9.0	0
13	Crystallization-Induced Reversal from Dark to Bright Excited States for Construction of Solid-Emission-Tunable Squaraines. Angewandte Chemie - International Edition, 2020, 59, 10136-10142.	13.8	52
14	Ir-Catalyzed Cascade C-H Fusion of Aldoxime Ethers and Heteroarenes: Scope and Mechanisms. ACS Catalysis, 2020, 10, 203-209.	11.2	24
15	KRAS G12D mutation predicts lower TMB and drives immune suppression in lung adenocarcinoma. Lung Cancer, 2020, 149, 41-45.	2.0	46
16	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
17	Crystallization-Induced Reversal from Dark to Bright Excited States for Construction of Solid-Emission-Tunable Squaraines. Angewandte Chemie, 2020, 132, 10222-10228.	2.0	7
18	Direct C-H/C-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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19	Synthesis of a Double-Helical Naphthotetraindole Core via an Intramolecular Dehydrogenative Homocoupling Reaction. <i>Organic Letters</i> , 2019, 21, 797-801.	4.6	14
20	Co(η^3)-catalyzed <i>Z</i> -selective oxidative C ^H /C ^H cross-coupling of alkenes with triisopropylsilylacetylene. <i>Chemical Communications</i> , 2019, 55, 6118-6121.	4.1	20
21	Tandem Rh-Catalyzed [4 + 2] Vinylic C ^H <i>O</i> -Annulation of Exocyclic Enones with Alkynes and 1,5-H Shift. <i>Organic Letters</i> , 2018, 20, 1074-1077.	4.6	16
22	Cascade C ^H Annulation Reaction of Benzaldehydes, Anilines, and Alkynes toward Dibenzo[<i>a</i> , <i>f</i>]quinolizinium Salts: Discovery of Photostable Mitochondrial Trackers at the Nanomolar Level. <i>Organic Letters</i> , 2018, 20, 7071-7075.	4.6	40
23	Rh(η^3)-Catalyzed regioselective C ^H [4 + 2] <i>C</i> -annulation of vinyl enaminones with alkynes to form polysubstituted salicylaldehydes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2875-2879.	4.5	22
24	Two-Fold C ^H /C ^H Cross-Coupling Using RhCl ₃ ·3H ₂ O as the Catalyst: Direct Fusion of <i>N</i> -(Hetero)arylimidazolium Salts and (Hetero)arenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 12566-12573.	13.7	63
25	Cascade C ^H Annulation of Aldoximes with Alkynes Using O ₂ as the Sole Oxidant: One-Pot Access to Multisubstituted Protoberberine Skeletons. <i>Organic Letters</i> , 2017, 19, 604-607.	4.6	41
26	Rh/Cu ^{II} -Catalyzed Cascade [4+2] Vinylic C ^H <i>O</i> -Annulation and Ring Contraction of β -Aryl Enones with Alkynes in Air. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4286-4289.	13.8	78
27	Cu-catalyzed controllable C ^H mono-/di-/triarylations of imidazolium salts for ionic functional materials. <i>Chemical Communications</i> , 2017, 53, 3489-3492.	4.1	34
28	High-Performance Ruthenium Sensitizers Containing Imidazolium Counterions for Efficient Dye Sensitization in Water. <i>ChemSusChem</i> , 2017, 10, 2914-2921.	6.8	4
29	Rh/Cu ^{II} -Catalyzed Cascade [4+2] Vinylic C ^H <i>O</i> -Annulation and Ring Contraction of β -Aryl Enones with Alkynes in Air. <i>Angewandte Chemie</i> , 2017, 129, 4350-4353.	2.0	14
30	Room-Temperature Coupling/Decarboxylation Reaction of β -Oxocarboxylates with β -Bromoketones: Solvent-Controlled Regioselectivity for 1,2- and 1,3-Diketones. <i>Journal of Organic Chemistry</i> , 2017, 82, 1403-1411.	3.2	22
31	A facile access to substituted cationic 12-azapyrene salts by rhodium(η^3)-catalyzed C ^H annulation of <i>N</i> -arylpyridinium salts. <i>RSC Advances</i> , 2016, 6, 66407-66411.	3.6	29
32	An air-stable half-sandwich Ru ^{II} complex as an efficient catalyst for [3+2] annulation of 2-arylcyclo-2-enones with alkynes. <i>Chemical Communications</i> , 2016, 52, 4613-4616.	4.1	29
33	Unparalleled Ease of Access to a Library of Biheteroaryl Fluorophores via Oxidative Cross-Coupling Reactions: Discovery of Photostable NIR Probe for Mitochondria. <i>Journal of the American Chemical Society</i> , 2016, 138, 4730-4738.	13.7	181
34	Rh(η^3)-catalyzed oxime ether-directed heteroarylation of arene through oxidative C ^H /C ^H cross-coupling. <i>Chemical Communications</i> , 2015, 51, 6190-6193.	4.1	47
35	Synthesis and Evaluation of Millepachine Amino Acid Prodrugs With Enhanced Solubility as Antitumor Agents. <i>Chemical Biology and Drug Design</i> , 2015, 86, 559-567.	3.2	5
36	Transition-Metal-Free Formal Decarboxylative Coupling of β -Oxocarboxylates with β -Bromoketones under Neutral Conditions: A Simple Access to 1,3-Diketones. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 855-859.	13.8	34

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37	Synthesis of unsymmetrical imidazolium salts by direct quaternization of N-substituted imidazoles using arylboronic acids. <i>Chemical Communications</i> , 2014, 50, 3941.	4.1	40
38	An AIE active Y-shaped diimidazolylbenzene: aggregation and disaggregation for Cd ²⁺ and Fe ³⁺ sensing in aqueous solution. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9524-9527.	2.8	16
39	An AIE active monoimidazolium skeleton: high selectivity and fluorescence turn-on for H ₂ PO ₄ ²⁻ in acetonitrile and ClO ₄ ⁻ in water. <i>Chemical Communications</i> , 2014, 50, 5623.	4.1	46
40	Radical cascade cyanomethylation of activated alkenes to construct cyano substituted oxindoles. <i>Chemical Communications</i> , 2014, 50, 15049-15051.	4.1	108
41	One-pot synthesis of diarylimidazolium salts from 1H-imidazole. <i>Chinese Chemical Letters</i> , 2013, 24, 773-776.	9.0	17
42	Highly Selective Fluorescent Recognition of Sulfate in Water by Two Rigid Tetrakisimidazolium Macrocycles with Peripheral Chains. <i>Journal of the American Chemical Society</i> , 2013, 135, 14908-14911.	13.7	114
43	Novel bisimidazolium pincers as low loading ligands for in situ palladium-catalyzed Suzuki-Miyaura reaction in the ambient atmosphere. <i>Chemical Communications</i> , 2013, 49, 1127.	4.1	28
44	2-Pyridylmethyl ether: a readily removable and efficient directing group for amino acid ligand accelerated ortho-C-H olefination of phenols. <i>Chemical Communications</i> , 2013, 49, 662-664.	4.1	81
45	Synthesis and characterization of a luminescent and fully rigid tetrakisimidazolium macrocycle. <i>Chemical Communications</i> , 2013, 49, 1832.	4.1	13
46	A simple approach to aggregation-induced emission in difluoroboron dibenzoylmethane derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 4167-4170.	1.4	49
47	Copper-Catalyzed Direct Aryl Quaternization of N-Substituted Imidazoles to Form Imidazolium Salts. <i>Journal of Organic Chemistry</i> , 2013, 78, 5723-5730.	3.2	93
48	Bisimidazole and Bisimidazolium Cruciforms: Synthesis and Discrimination of Organic Acids. <i>Acta Chimica Sinica</i> , 2013, 71, 20130906.	1.4	1
49	Perylenebisimide-based Fluorescent Chemosensors for Selective Detection of Zn ²⁺ in Aqueous Solution. <i>Letters in Organic Chemistry</i> , 2012, 9, 503-508.	0.5	1
50	Ligand-switching and counteranion-induced hierarchical self-assembly of silver-NHC complexes. <i>Chemical Science</i> , 2012, 3, 359-363.	7.4	36
51	Facile Access to Extremely Efficient Energy-Transfer Pairs via an Unexpected Reaction of Squaraines with Ketones. <i>Journal of the American Chemical Society</i> , 2012, 134, 11868-11871.	13.7	41
52	Cyclen-functionalized perylenebisimides as sensitive and selective fluorescent sensors for Pb ²⁺ in aqueous solution. <i>Chemical Communications</i> , 2011, 47, 6668.	4.1	48
53	Rational design of BINOL-based diimidazolyl ligands: homochiral channel-like mono-component organic frameworks by hydrogen-bond-directed self-assembly. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2618.	2.8	6
54	Hydrothermal Synthesis and Crystal Structure of Two Polymorphs of (3-nitro-4-bromophenyl)Acetic Acid. <i>Journal of Chemical Research</i> , 2011, 35, 644-646.	1.3	1

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55	Squaraine-based colorimetric and fluorescent sensors for Cu ²⁺ -specific detection and fluorescence imaging in living cells. <i>Tetrahedron</i> , 2010, 66, 3695-3701.	1.9	81
56	β -Hydroxy- α , β -acetylenic esters: asymmetric syntheses and applications. <i>Science China Chemistry</i> , 2010, 53, 21-35.	8.2	11
57	Self-Assembly of Discrete Homochiral, Helical, Hydrogen-Bonded Nanocages: From Vesicles to Microspheres and Tubules Capable of Gelating Solvents. <i>Chemistry - A European Journal</i> , 2010, 16, 2250-2257.	3.3	16
58	Rational Design of Fluorescent Bioimaging Probes by Controlling the Aggregation Behavior of Squaraines: A Special Effect of Ionic Liquid Pendants. <i>Chemistry - A European Journal</i> , 2010, 16, 5129-5137.	3.3	33
59	A Highly <i>syn</i> -Selective Nitroaldol Reaction Catalyzed by Cu ^{II} -Bisimidazoline. <i>Chemistry - A European Journal</i> , 2010, 16, 6761-6765.	3.3	71
60	Palladium(II)-Catalyzed Oxidative C ³ H/C ³ H Cross-Coupling of Heteroarenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 1822-1824.	13.7	413
61	Copper-Catalyzed Direct C Arylation of Heterocycles with Aryl Bromides: Discovery of Fluorescent Core Frameworks. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3296-3300.	13.8	282
62	Copper-Catalyzed Direct C Arylation of Heterocycles with Aryl Bromides: Discovery of Fluorescent Core Frameworks. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4884-4884.	13.8	4
63	Highly Enantioselective Synthesis of β -Hydroxy- α , β -acetylenic Esters by Asymmetric Alkyne Addition to Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 122-125.	13.8	111
64	Supramolecular Assemblies of Chiral Propargylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5358-5360.	13.8	12
65	Asymmetric Catalysis Special Feature Part I: Highly enantioselective alkyne additions to aldehydes in the presence of 1,1'-bi-2-naphthol and hexamethylphosphoramide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5417-5420.	7.1	89
66	Selective Synthesis of Novel Biimidazole Derivatives, Bis-biimidazole and Tri-biimidazole.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
67	Highly Enantioselective Phenylacetylene Additions to Both Aliphatic and Aromatic Aldehydes.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
68	Selective synthesis of novel biimidazole derivatives, bis-biimidazole and tri-biimidazole. <i>Journal of Chemical Research</i> , 2003, 2003, 668-670.	1.3	3
69	Efficient Imidazolium Catalysts for the Benzoin Condensation. <i>Journal of Chemical Research</i> , 2002, 2002, 262-263.	1.3	20
70	A Direct Synthetic Approach to Tripodal Imidazole Compounds. <i>Journal of Chemical Research</i> , 2002, 2002, 267-269.	1.3	8
71	Highly Enantioselective Phenylacetylene Additions to Both Aliphatic and Aromatic Aldehydes. <i>Organic Letters</i> , 2002, 4, 4143-4146.	4.6	193
72	Synthesis and selective anion recognition of imidazolium cyclophanes. <i>Tetrahedron</i> , 2002, 58, 8993-8999.	1.9	71

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73	New Host Molecules with Imidazoliums as Functional Arms: Syntheses and Anion Recognition. Chinese Journal of Chemistry, 2002, 20, 447-452.	4.9	2
74	A Convenient and Effective Synthesis of Tris-Bridged Tricationic Azolophanes. Synthetic Communications, 2000, 30, 4555-4561.	2.1	22