

Bo Yao

List of Publications by Year in descending order

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33
papers

1,623
citations

304368

22
h-index

344852

36
g-index

44
all docs

44
docs citations

44
times ranked

1501
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature aerobic formation of a stable aryl ⁺ Cu(III) complex and its reactions with nucleophiles: highly efficient and diverse arene C-H functionalizations of azacalix[1]arene[3]pyridine. <i>Chemical Communications</i> , 2009, , 2899.	2.2	163
2	Palladium(II)-Catalyzed Intramolecular Diamination of Alkynes under Aerobic Oxidative Conditions: Catalytic Turnover of an Iodide Ion. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5170-5174.	7.2	145
3	A microfluidic device based on gravity and electric force driving for flow cytometry and fluorescence activated cell sorting. <i>Lab on A Chip</i> , 2004, 4, 603.	3.1	132
4	Palladium-Catalyzed Coupling of <i>ortho</i> -Alkynylanilines with Terminal Alkynes Under Aerobic Conditions: Efficient Synthesis of 2,3-Disubstituted Alkynylindoles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12311-12315.	7.2	118
5	Direct Synthesis of High-Valent Aryl ⁺ Cu(II) and Aryl ⁺ Cu(III) Compounds: Mechanistic Insight into Arene C-H Bond Metalation. <i>Journal of the American Chemical Society</i> , 2014, 136, 6326-6332.	6.6	117
6	A microfluidic device using a green organic light emitting diode as an integrated excitation source. <i>Lab on A Chip</i> , 2005, 5, 1041.	3.1	102
7	Cu(ClO ₄) ₂ -Mediated Arene C-H Bond Halogenations of Azacalixaromatics Using Alkali Metal Halides as Halogen Sources. <i>Journal of Organic Chemistry</i> , 2012, 77, 3336-3340.	1.7	95
8	Palladium(II)-Catalyzed Cyclizative Cross-Coupling of <i>ortho</i> -Alkynylanilines with <i>ortho</i> -Alkynylbenzamides under Aerobic Conditions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12992-12996.	7.2	75
9	Synergistic Effect of Palladium and Copper Catalysts: Catalytic Cyclizative Dimerization of <i>ortho</i> -(1-Alkynyl)benzamides Leading to Axially Chiral 1,3-Butadienes. <i>Chemistry - A European Journal</i> , 2012, 18, 5864-5868.	1.7	57
10	High-Speed, Whole-Column Fluorescence Imaging Detection for Isoelectric Focusing on a Microchip Using an Organic Light Emitting Diode as Light Source. <i>Analytical Chemistry</i> , 2006, 78, 5845-5850.	3.2	53
11	Designing a Cu(II)-ArCu(II)-ArCu(III)-Cu(I) Catalytic Cycle: Cu(II)-Catalyzed Oxidative Arene C-H Bond Azidation with Air as an Oxidant under Ambient Conditions. <i>Journal of Organic Chemistry</i> , 2014, 79, 11139-11145.	1.7	42
12	Green Synthesis, Characterization, and Antibacterial Investigation of Synthesized Gold Nanoparticles (AuNPs) from <i>Garcinia kola</i> Pulp Extract. <i>Plasmonics</i> , 2021, 16, 157-165.	1.8	42
13	2-(Methoxycarbonyl)ethyl as a Removable N-Protecting Group: Synthesis of Indoloisoquinolinones by Pd(II)-Catalyzed Intramolecular Diamination of Alkynes. <i>Organic Letters</i> , 2015, 17, 1750-1753.	2.4	37
14	Synthesis, Structure, and Reactions of NH-Bridged Calix[m]arene[n]pyridines. <i>Journal of Organic Chemistry</i> , 2009, 74, 5361-5368.	1.7	36
15	Free Amino Group-Directed ³ C(sp ³) ⁺ H Arylation of \pm -Amino Esters with Diaryliodonium Triflates by Palladium Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 5684-5694.	1.7	33
16	Sulfonamide and Tertiary Amine as Nucleophiles in Pd(II)-Catalyzed Diamination of Alkynes: Synthesis of Tetracyclic Indolobenzothiazine <i>S</i> - <i>S</i> -Dioxides. <i>Organic Letters</i> , 2015, 17, 5256-5259.	2.4	31
17	Site-Selective Modification of \pm -Amino Acids and Oligopeptides via Native Amine-Directed ³ C(sp ³) ⁺ H Arylation. <i>Organic Letters</i> , 2019, 21, 9381-9385.	2.4	31
18	Pd/Ca-Catalyzed Cyclizative Cross-Coupling of Two <i>ortho</i> -Alkynylanilines under Aerobic Conditions: Synthesis of 2,3-Bisindoles. <i>Chemistry - A European Journal</i> , 2015, 21, 7413-7416.	1.7	27

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19	Regio- and Stereochemical Control in Ocimene Polymerization by Half-Sandwich Rare-Earth Metal Dialkyl Complexes. <i>Macromolecular Rapid Communications</i> , 2016, 37, 987-992.	2.0	27
20	Bioremediation and pharmacological applications of gold nanoparticles synthesized from plant materials. <i>Heliyon</i> , 2021, 7, e06591.	1.4	24
21	Mechanistic Study on the Palladium(II)-Catalyzed Synthesis of 2,3-Disubstituted Indoles Under Aerobic Conditions: Anion Effects and the Development of a Low-Catalyst-Loading Process. <i>Chemistry - A European Journal</i> , 2014, 20, 12255-12261.	1.7	23
22	Mechanistic study on iodine-catalyzed aromatic bromination of aryl ethers by N-Bromosuccinimide. <i>Tetrahedron</i> , 2017, 73, 7105-7114.	1.0	12
23	Native amine-directed site-selective C(sp ³)-H arylation of primary aliphatic amines with aryl iodides. <i>Chinese Chemical Letters</i> , 2020, 31, 1327-1331.	4.8	12
24	Peptide Modification via N-Terminal-Residue-Directed $\text{I}^3\text{-C}(\text{sp}^3)\text{-H}$ Arylation. <i>Organic Letters</i> , 2020, 22, 8692-8696.	2.4	10
25	Post-Assembly Modification of Peptides by Ligand-Enabled $\text{I}^2\text{-C}(\text{sp}^3)\text{-H}$ Arylation of Alanine at the C-Terminus: Overcoming the Inhibition Effect of Peptide Bonds. <i>Organic Letters</i> , 2021, 23, 4807-4812.	2.4	10
26	Pd-Catalyzed C(sp ³)-C(sp ²) cross-coupling of Y(CH ₂ SiMe ₃) ₃ (THF) ₂ with vinyl bromides and triflates. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8702-8706.	1.5	8
27	On-Water Polymerization of Phenylacetylene Catalyzed by Rh Complexes Bearing Strong I^{\ominus} -Acidic Dibenzo[a,e]cyclooctatetraene Ligand. <i>Journal of Polymer Science Part A</i> , 2017, 55, 716-725.	2.5	8
28	Palladium-catalyzed C(sp ³)-C(sp ²) cross-coupling of homoleptic rare-earth metal trialkyl complexes with aryl bromides: efficient synthesis of functionalized benzyltrimethylsilanes. <i>Chemical Communications</i> , 2016, 52, 5425-5427.	2.2	7
29	Silver-promoted cross-coupling of substituted allyl(trimethyl)silanes with aryl iodides by palladium catalysis. <i>Tetrahedron Letters</i> , 2018, 59, 4557-4561.	0.7	5
30	Prototypical Nonelectrochemical Method for Surface Regeneration of an Integrated Electrode in a PDMS Microfluidic Chip. <i>Analytical Letters</i> , 2009, 42, 1986-1996.	1.0	4
31	<i>cis</i> -1,4-specific carbocationic polymerization and copolymerization of 1,3-dienes initiated by (S,S)-bis(oxazolinyphenyl)amine chromium complexes. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1250-1259.	2.5	4
32	Oxidative cross-coupling of allyl(trimethyl)silanes with aryl boronic acids by palladium catalysis. <i>Tetrahedron</i> , 2018, 74, 7228-7236.	1.0	4
33	Synthesis of Benzo[a]carbazoles through Visible Light-Induced Cycloaromatization. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000106.	1.0	2