

Biao Jiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2309872/publications.pdf>

Version: 2024-02-01

95
papers

2,782
citations

172457

29
h-index

206112

48
g-index

107
all docs

107
docs citations

107
times ranked

2736
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on foam extinguishing agent based on mixed system of branched short-chain fluorocarbon anionic and hydrocarbon cationic surfactants. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 618-629.	2.4	4
2	Study on aqueous film-forming foam extinguishing agent based on fluorocarbon cationic-hydrocarbon anionic surfactants mixture system. <i>Journal of Surfactants and Detergents</i> , 2022, 25, 205-216.	2.1	6
3	Construction of activated carbon-supported B ₃ N ₃ doped carbon as metal-free catalyst for dehydrochlorination of 1,2-dichloroethane to produce vinyl chloride. <i>RSC Advances</i> , 2021, 11, 183-191.	3.6	9
4	Unprecedented high selectivity of n-hexane dehydroaromatization to benzene over metal-free phosphorus-doped activated carbon catalysts. <i>Chemical Communications</i> , 2021, 57, 4166-4169.	4.1	8
5	A Microwave-Assisted Boudouard Reaction: A Highly Effective Reduction of the Greenhouse Gas CO ₂ to Useful CO Feedstock with Semi-Coke. <i>Molecules</i> , 2021, 26, 1507.	3.8	8
6	Experimental Investigation on the Mass Diffusion Behaviors of Calcium Oxide and Carbon in the Solid-State Synthesis of Calcium Carbide by Microwave Heating. <i>Molecules</i> , 2021, 26, 2568.	3.8	6
7	Inhibition of mitochondrial complex III induces differentiation in acute myeloid leukemia. <i>Biochemical and Biophysical Research Communications</i> , 2021, 547, 162-168.	2.1	4
8	Structure-based discovery of SIAIS001 as an oral bioavailability ALK degrader constructed from Alectinib. <i>European Journal of Medicinal Chemistry</i> , 2021, 217, 113335.	5.5	26
9	Effective degradation of EGFR L858R+T790M mutant proteins by CRBN-based PROTACs through both proteasome and autophagy/lysosome degradation systems. <i>European Journal of Medicinal Chemistry</i> , 2021, 218, 113328.	5.5	55
10	Study on foam extinguishing agents based on hydrocarbon and perfluorinated branched short-chain fluorocarbon surfactants mixed system. <i>Chemical Papers</i> , 2021, 75, 6241.	2.2	8
11	Discovery of novel BCR-ABL PROTACs based on the cereblon E3 ligase design, synthesis, and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113645.	5.5	23
12	Understanding Surface Basic Sites of Catalysts: Kinetics and Mechanism of Dehydrochlorination of 1,2-Dichloroethane over N-Doped Carbon Catalysts. <i>Catalysts</i> , 2020, 10, 707.	3.5	10
13	Development of a Brigatinib degrader (SIAIS117) as a potential treatment for ALK positive cancer resistance. <i>European Journal of Medicinal Chemistry</i> , 2020, 193, 112190.	5.5	50
14	Nitrogen-doped porous carbon from biomass with superior catalytic performance for acetylene hydrochlorination. <i>RSC Advances</i> , 2020, 10, 14556-14569.	3.6	15
15	Discovery of SIAIS178 as an Effective BCR-ABL Degradator by Recruiting Von Hippel-Lindau (VHL) E3 Ubiquitin Ligase. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9281-9298.	6.4	79
16	Synthesis of novel oil-soluble fluorinated surfactants via Wittig-Horner reaction. <i>Tetrahedron</i> , 2019, 75, 1652-1657.	1.9	5
17	Catalytic Dehydrochlorination of 1,2-Dichloroethane into Vinyl Chloride over Nitrogen-Doped Activated Carbon. <i>ACS Omega</i> , 2019, 4, 2081-2089.	3.5	14
18	Design and synthesis of the novel branched fluorinated surfactant intermediates with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ group. <i>Chinese Chemical Letters</i> , 2019, 30, 566-568.	9.0	11

#	ARTICLE	IF	CITATIONS
19	<i>S</i> -ethyl ethanethiosulfinate, a derivative of allicin, induces metacaspase-dependent apoptosis through ROS generation in <i>Penicillium chrysogenum</i> . <i>Bioscience Reports</i> , 2019, 39, .	2.4	7
20	Chemoselective Synthesis of Lenalidomide-Based PROTAC Library Using Alkylation Reaction. <i>Organic Letters</i> , 2019, 21, 3838-3841.	4.6	48
21	CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ -based fluorinated surfactants with high surface activity. <i>Chemical Papers</i> , 2019, 73, 1499-1508.	2.2	9
22	Synthesis and properties study of novel fluorinated surfactants with perfluorinated branched ether chain. <i>Journal of Fluorine Chemistry</i> , 2019, 219, 62-69.	1.7	18
23	Mercury-free nitrogen-doped activated carbon catalyst: an efficient catalyst for the catalytic coupling reaction of acetylene and ethylene dichloride to synthesize the vinyl chloride monomer. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 34-40.	3.7	12
24	Synthesis and combined properties of novel fluorinated cationic surfactants derived from hexafluoropropylene dimer. <i>Chinese Chemical Letters</i> , 2018, 29, 1613-1616.	9.0	12
25	Preparation and Surface Properties Study of Novel Fluorine-Containing Methacrylate Polymers for Coating. <i>Materials</i> , 2018, 11, 2258.	2.9	10
26	Synthesis and surface activity study of novel branched zwitterionic heterogemini fluorosurfactants with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ group. <i>Journal of Fluorine Chemistry</i> , 2018, 214, 35-41.	1.7	17
27	Intramolecular Aza-Piancatelli Rearrangement of Alkyl- or Arylamines Promoted by PPh ₃ /Diethyl Azodicarboxylate. <i>Organic Letters</i> , 2017, 19, 1028-1031.	4.6	35
28	An efficient method for the preparation of dialkoxymethanes from dichloromethane with alcohols catalyzed by a Cu-NHC complex. <i>Tetrahedron Letters</i> , 2016, 57, 4036-4038.	1.4	9
29	Copper N-Heterocyclic Carbene: A Catalyst for Aerobic Oxidation or Reduction Reactions. <i>Organic Letters</i> , 2015, 17, 5990-5993.	4.6	23
30	Synthesis and surface properties study of novel fluorine-containing homopolymer and copolymers for coating applications. <i>Applied Surface Science</i> , 2015, 349, 496-502.	6.1	10
31	Strategies for synthesizing non-bioaccumulable alternatives to PFOA and PFOS. <i>Chinese Chemical Letters</i> , 2015, 26, 491-498.	9.0	36
32	N-Heterocyclic carbene-catalyzed aerobic oxidation of aryl alkyl alcohols to carboxylic acids. <i>Tetrahedron</i> , 2015, 71, 4269-4273.	1.9	18
33	[2.2]Paracyclophane-Derived Monodentate Phosphoramidite Ligands for Copper-Catalyzed Asymmetric Conjugate Addition of Diethylzinc to Substituted Chalcones. <i>Journal of Organic Chemistry</i> , 2015, 80, 3752-3757.	3.2	21
34	Synthesis and surface activity study of branched fluorinated cationic (FCS), gemini (FGS) and amphoteric (FAS) surfactants with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ group. <i>Journal of Fluorine Chemistry</i> , 2015, 169, 61-65.	1.7	29
35	Synthesis and Properties Study of Novel Branched Fluorinated Surfactants with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ Group. <i>Acta Chimica Sinica</i> , 2015, 73, 395.	1.4	6
36	Synthesis and Surface Activity Study of a Novel Branched Fluorinated Anion Surfactant with CF ₃ CF ₂ CF ₂ C(CF ₃) ₂ CF ₂ C(CF ₃) ₂ Group. <i>Chinese Journal of Chemistry</i> , 2014, 32, 995-998.	4.9	14

#	ARTICLE	IF	CITATIONS
37	Co ₂ (CO) ₈ -mediated Selective Reductions of Propargyl Alcohol Derivatives to Alkenes. Chinese Journal of Chemistry, 2014, 32, 999-1002.	4.9	2
38	Selective Aerobic Oxidation of Alcohols to Aldehydes, Carboxylic Acids, and Imines Catalyzed by a Ag-NHC Complex. Organic Letters, 2014, 16, 3428-3431.	4.6	110
39	Proline potassium salt: a superior catalyst to synthesize 4-trifluoromethyl quinoline derivatives via Friedlander annulation. Tetrahedron, 2013, 69, 7481-7486.	1.9	15
40	Diverse reactivity in microwave-promoted catalyst-free coupling of substituted anilines with ethyl trifluoropyruvate and biological evaluation. Organic and Biomolecular Chemistry, 2013, 11, 5621.	2.8	17
41	A Concise Formal Synthesis of (±)-Hamigeran B. Organic Letters, 2013, 15, 871-873.	4.6	34
42	Co ₂ (CO) ₈ -mediated cycloisomerization of arylene 1,7-enynes. Tetrahedron Letters, 2013, 54, 699-702.	1.4	11
43	One-pot Synthesis of Aromatic Fused 2,3-dihydroindanone by Tandem Pauson-Khand/Michael/Henry Reaction. Chinese Journal of Chemistry, 2013, 31, 49-54.	4.9	6
44	Stereospecific Synthesis of Drospirenone. Chinese Journal of Chemistry, 2013, 31, 15-17.	4.9	8
45	One-Pot Catalytic Epoxidation Reaction of Perfluoro-2-methyl-2-pentene with Tri-n-butylamine N-Oxide or N, N-Dimethylcyclohexylamine N-Oxide. Advanced Materials Research, 2013, 685, 357-361.	0.3	3
46	Combined Theoretical and Experimental Study on High Diastereoselective Chirality Transfer Based on [2.2]Paracyclophane Derivative Chiral Reagent. Journal of Organic Chemistry, 2012, 77, 1701-1709.	3.2	3
47	Studies toward the Total Synthesis of Nagelamide K. Organic Letters, 2012, 14, 2070-2073.	4.6	11
48	Titanium-Mediated Direct Carbon-Carbon Double Bond Formation to ±-Trifluoromethyl Acids: A New Contribution to the Knoevenagel Reaction and a High-Yielding and Stereoselective Synthesis of ±-Trifluoromethylacrylic Acids. Advanced Synthesis and Catalysis, 2011, 353, 3161-3165.	4.3	12
49	A Novel Water-Soluble Gossypol Derivative Increases Chemotherapeutic Sensitivity and Promotes Growth Inhibition in Colon Cancer. Journal of Medicinal Chemistry, 2010, 53, 5502-5510.	6.4	40
50	Catalytic Asymmetric Oxidation of Heteroaromatic Sulfides with <i>tert</i> -Butyl Hydroperoxide Catalyzed by a Titanium Complex with a New Chiral 1,2-diphenylethane-1,2-diol Ligand. European Journal of Organic Chemistry, 2009, 2009, 987-991.	2.4	31
51	Conformational isomerization of N-(naphthalen-1-yl)-N-(phenyl(quinolin-3-yl)methyl)amide derivatives. Science in China Series B: Chemistry, 2009, 52, 2051-2054.	0.8	2
52	Isolation and characterization of related impurities in 24-epibrassinolide. Tetrahedron, 2009, 65, 2097-2101.	1.9	5
53	Chiral gossypol derivatives: Evaluation of their anticancer activity and molecular modeling. European Journal of Medicinal Chemistry, 2009, 44, 3961-3972.	5.5	34
54	The chiral pyrethroid cycloprothrin: Stereoisomer synthesis and separation and stereoselective insecticidal activity. Chirality, 2008, 20, 96-102.	2.6	17

#	ARTICLE	IF	CITATIONS
55	The First Proline-Catalyzed Friedlander Annulation: Regioselective Synthesis of 2-Substituted Quinoline Derivatives. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2693-2696.	2.4	35
56	Highly Enantioselective Construction of a Quaternary Carbon Center of Dihydroquinazoline by Asymmetric Mannich Reaction and Chiral Recognition. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1360-1366.	4.3	90
57	The convergent synthesis of novel cytotoxic certonardosterol D2 from diosgenin. <i>Tetrahedron</i> , 2008, 64, 469-476.	1.9	44
58	Stereoselective synthesis of Certonardolsterol D3. <i>Tetrahedron</i> , 2008, 64, 9738-9744.	1.9	18
59	A Novel and Convenient Protocol for Synthesis of α -Haloacrylates. <i>Organic Letters</i> , 2008, 10, 593-596.	4.6	30
60	[2.2]Paracyclophane-Derived Chiral P,N-Ligands: Design, Synthesis, and Application in Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Journal of Organic Chemistry</i> , 2008, 73, 7833-7836.	3.2	45
61	Successive Copper(I)-Catalyzed Cross-Couplings in One Pot: A Novel and Efficient Starting Point for Synthesis of Carbapenems. <i>Organic Letters</i> , 2008, 10, 2737-2740.	4.6	57
62	Formation of Cyclic Phosphonium Salts in Trichlorosilane Reduction of Phosphine Oxides Bearing a Pendant Hydroxyl Group and Their Hydrolysis to Cyclic Phosphine Oxides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2007, 182, 1609-1619.	1.6	12
63	An expedient route for the practical preparation of optically active (α)-gossypol. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2437-2441.	1.8	14
64	Chiral P,O-ligands derived from N,O-phenylene prolinols for palladium-catalyzed asymmetric allylic alkylation. <i>Tetrahedron Letters</i> , 2007, 48, 1703-1706.	1.4	11
65	Synthesis of 4-allenyl and 4-propargyl-2-azetidinone via Zn-mediated Barbier-type reaction and Pt-catalyzed intramolecular amidation to carbapenem skeletons. <i>Tetrahedron Letters</i> , 2007, 48, 7942-7945.	1.4	14
66	Preparation of N-phenyl-(S)-prolinol-derived P,N-ligands and their application in Pd-catalyzed asymmetric allylic alkylation. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 942-951.	1.8	26
67	Highly Regioselective Friedel-Crafts Reactions of Electron-Rich Aromatic Compounds with Pyruvate Catalyzed by Lewis Acid-Base: Efficient Synthesis of Pesticide Cycloprothrin. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 898-904.	4.3	12
68	Blue-violet organic electroluminescent devices based on exciton-confined structure. <i>Journal of Shanghai University</i> , 2005, 9, 172-175.	0.1	0
69	Addition of Amines to the Triple Bond in α,α,α -Trichloromethylpropargyl Mesylate: Synthesis of α,α,α -Dichloromethylenaminones and Preparation of 2-Phenyl-4-dichloromethylquinolines. <i>Journal of Organic Chemistry</i> , 2005, 70, 1494-1496.	3.2	3
70	Highly Enantioselective Construction of a Chiral Tertiary Carbon Center by Alkynylation of a Cyclic N-Acyl Ketimine: An Efficient Preparation of HIV Therapeutics. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 216-218.	13.8	151
71	Highly Enantioselective Construction of Fused Pyrrolidine Systems That Contain a Quaternary Stereocenter: Concise Formal Synthesis of (+)-Conessine. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2543-2546.	13.8	143
72	The First Highly Enantioselective Alkynylation of Chloral: A Practical and Efficient Pathway to Chiral Trichloromethyl Propargyl Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 669-674.	4.3	37

#	ARTICLE	IF	CITATIONS
73	Preparation and Properties of New Soluble π -Conjugated Polymers Containing a Fumaronitrile Unit in the Main Chain. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1429-1432.	3.9	11
74	Synthesis and Properties of Highly Photoluminescent and Electrochemically Active Polymers Containing 2-Pyrazoline Units in the Main Chain. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1856-1859.	3.9	4
75	Highly Enantioselective Construction of a Chiral Tertiary Carbon Center by Alkynylation of a Cyclic N-Acyl Ketimine: An Efficient Preparation of HIV Therapeutics.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
76	Enantioselective Total Syntheses of Slagenins A-C and Their Antipodes. <i>Journal of Organic Chemistry</i> , 2003, 68, 2376-2384.	3.2	14
77	A convenient stereoselective synthesis of trifluoromethyl-substituted polyfunctionalized cyclopropane: synthesis of (\pm)-trans-trifluoronorcoronamic acid. <i>Chemical Communications</i> , 2003, , 536-537.	4.1	31
78	A Facile Synthetic Method for the Preparation of β -Symmetric (1, 2:4, 5)-Diepoxypentane Equivalent. <i>Chinese Journal of Chemistry</i> , 2003, 21, 789-792.	4.9	1
79	Zn(II)-Mediated Alkynylation-Cyclization of α -Trifluoroacetyl Anilines: A One-Pot Synthesis of 4-Trifluoromethyl-Substituted Quinoline Derivatives. <i>Journal of Organic Chemistry</i> , 2002, 67, 9449-9451.	3.2	163
80	Catalytic Diastereoselective Pauson-Khand Reaction: an Efficient Route to Enantiopure Cyclopenta[c]proline Derivatives. <i>Organic Letters</i> , 2002, 4, 4077-4080.	4.6	45
81	High Diastereoselectivity in Intermolecular Carbonyl Ylide Cycloaddition with Aryl Aldehyde Using Methyl Diazo(trifluoromethyl)acetate. <i>Organic Letters</i> , 2002, 4, 2453-2455.	4.6	75
82	Highly Enantioselective Alkynylation of α -Keto Ester: An Efficient Method for Constructing a Chiral Tertiary Carbon Center. <i>Organic Letters</i> , 2002, 4, 3451-3453.	4.6	192
83	Highly enantioselective alkynylation of aldehydes catalyzed by a readily available chiral amino alcohol-based ligand. <i>Chemical Communications</i> , 2002, , 1524-1525.	4.1	119
84	Enantioselective Synthesis of Marine Indole Alkaloid Hamacanthin B. <i>Journal of Organic Chemistry</i> , 2002, 67, 1396-1398.	3.2	69
85	Enantioselective Synthesis of Slagenins A-C. <i>Organic Letters</i> , 2002, 4, 3951-3953.	4.6	14
86	Structure-Based 3-D-QSAR Analysis of Marine Indole Alkaloids. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 2775-2778.	3.0	6
87	Methyl 3,3-difluoro-2-trimethylsilyloxyacrylate: preparation and Mukaiyama-type aldol condensation as a novel route to 1,2-difluoro- α -keto ester derivatives. <i>Tetrahedron Letters</i> , 2002, 43, 6819-6821.	1.4	12
88	Methyl 3,3-difluoro-2-trimethylsilyloxyacrylate: Preparation and Mukaiyama-Type Aldol Condensation as a Novel Route to 1,2-difluoro- α -keto Ester Derivatives.. <i>ChemInform</i> , 2002, 33, 85-85.	0.0	0
89	Convenient Approaches to 4-Trifluoromethylpyridine. <i>Organic Process Research and Development</i> , 2001, 5, 531-534.	2.7	22
90	Rh-catalyzed asymmetric hydrogenation by using a new family of C2-symmetric bisphosphinites and a bisaminophosphine as ligands. <i>Tetrahedron Letters</i> , 2001, 42, 1761-1763.	1.4	10

#	ARTICLE	IF	CITATIONS
91	$\hat{I}\pm$ -(Trifluoromethyl)ethenyl boronic acid as a useful trifluoromethyl containing building block. Preparation and palladium-catalysed coupling with aryl halides. <i>Tetrahedron Letters</i> , 2001, 42, 4083-4085.	1.4	64
92	C2-Symmetric bisphosphinites and a bisaminophosphine as new chiral ligands for Pd-catalyzed asymmetric allylic substitution. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3123-3130.	1.8	15
93	Stereocontrolled Synthesis of the 22E,24 \hat{I}^2 (S)-Trifluoromethyl Steroidal Side Chain and Its Application to the Synthesis of Fluorinated Analogues of Naturally Occurring Sterols. <i>Journal of Organic Chemistry</i> , 2000, 65, 6231-6236.	3.2	28
94	Asymmetric 1,3 \hat{I} -dipolar cycloaddition of nitrile oxides with optically active vinylboronic ester. <i>Chinese Journal of Chemistry</i> , 1999, 17, 293-299.	4.9	3
95	Studies on Steroidal Plant-Growth :Regulators: A New Synthesis of Brassinosteroids. <i>Synthesis</i> , 1989, 1989, 426-427.	2.3	15