

Pengfei Li

List of Publications by Year in descending order

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67
papers

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172457

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2969
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#	ARTICLE	IF	CITATIONS
1	Copper-Catalyzed Trifluoromethylation-Initiated Radical 1,2-Aryl Migration in β -Diaryl Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6962-6966.	13.8	287
2	Boron-selective reactions as powerful tools for modular synthesis of diverse complex molecules. <i>Chemical Society Reviews</i> , 2015, 44, 8848-8858.	38.1	266
3	Recent advances in catalytic C-H borylation reactions. <i>Tetrahedron</i> , 2017, 73, 7123-7157.	1.9	238
4	Decarboxylative Borylation of Aliphatic Esters under Visible-Light Photoredox Conditions. <i>Organic Letters</i> , 2017, 19, 2770-2773.	4.6	203
5	Efficient metal-free photochemical borylation of aryl halides under batch and continuous-flow conditions. <i>Chemical Science</i> , 2016, 7, 3676-3680.	7.4	144
6	N,B-Bidentate Boryl Ligand-Supported Iridium Catalyst for Efficient Functional-Group-Directed C-H Borylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 91-94.	13.7	135
7	Knowledge-oriented convolutional neural network for causal relation extraction from natural language texts. <i>Expert Systems With Applications</i> , 2019, 115, 512-523.	7.6	99
8	Real-Time Identification of Power Fluctuations Based on LSTM Recurrent Neural Network: A Case Study on Singapore Power System. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 5266-5275.	11.3	96
9	Metal-free borylation of electron-rich aryl (pseudo)halides under continuous-flow photolytic conditions. <i>Organic Chemistry Frontiers</i> , 2016, 3, 875-879.	4.5	87
10	Double N,B-Type Bidentate Boryl Ligands Enabling a Highly Active Iridium Catalyst for C-H Borylation. <i>Journal of the American Chemical Society</i> , 2015, 137, 8058-8061.	13.7	86
11	Stereoselective Total Synthesis of Etnangien and Etnangien Methyl Ester. <i>Journal of Organic Chemistry</i> , 2010, 75, 2429-2444.	3.2	84
12	Continuous-Flow Synthesis of 3,3-Disubstituted Oxindoles by a Palladium-Catalyzed β -Arylation/Alkylation Sequence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6396-6400.	13.8	83
13	Synthesis of silafluorenes and silaindenes via silyl radicals from arylhydrosilanes: intramolecular cyclization and intermolecular annulation with alkynes. <i>Organic Chemistry Frontiers</i> , 2015, 2, 459-463.	4.5	80
14	Direct introduction of a naphthalene-1,8-diamino boryl [B(dan)] group by a Pd-catalysed selective boryl transfer reaction. <i>Chemical Communications</i> , 2015, 51, 5656-5659.	4.1	75
15	Total Synthesis of Etnangien. <i>Journal of the American Chemical Society</i> , 2009, 131, 11678-11679.	13.7	66
16	Stereodivergent Synthesis of 1,3-syn- and -anti-Tetrahydropyrimidinones. <i>Organic Letters</i> , 2010, 12, 4494-4497.	4.6	64
17	Site-Differentiated Polyboron Arenes Prepared by Direct C-H Borylation and Their Highly Selective Suzuki-Miyaura Cross-Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1822-1826.	13.8	61
18	Recent Advances in Continuous-Flow Enantioselective Catalysis. <i>Chemistry - A European Journal</i> , 2020, 26, 5729-5747.	3.3	57

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19	Electrophilicity and Nucleophilicity of Boryl Radicals. <i>Journal of Organic Chemistry</i> , 2017, 82, 2898-2905.	3.2	53
20	Total Synthesis of Rhizopodin. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5667-5670.	13.8	50
21	Concise Synthesis of Tetrahydropyrans by a Tandem Oxa-Michael/Tsuji-Trost Reaction. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9270-9273.	13.8	48
22	Synergistic Effects of Lewis Bases and Substituents on the Electronic Structure and Reactivity of Boryl Radicals. <i>Chemistry - A European Journal</i> , 2014, 20, 1630-1637.	3.3	47
23	Sulfur-Directed Ligand-Free C-H Borylation by Iridium Catalysis. <i>Organic Letters</i> , 2017, 19, 6132-6135.	4.6	46
24	Total Synthesis of (±)-Prostratin. <i>CheM</i> , 2018, 4, 2944-2954.	11.7	42
25	Modular Total Synthesis of Rhizopodin: A Highly Potent Actin Dimerizing Macrolide. <i>Chemistry - A European Journal</i> , 2013, 19, 15993-16018.	3.3	41
26	Copper-Catalyzed Boron-Selective C(sp ²)-C(sp ³) Oxidative Cross-Coupling of Arylboronic Acids and Alkyltrifluoroborates Involving a Single-Electron Transmetalation Process. <i>ACS Catalysis</i> , 2016, 6, 1329-1333.	11.2	37
27	Copper-catalyzed borylation of cycloalkylsilyl peroxides via radical C-C bond cleavage. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2792-2795.	4.5	36
28	Stereocontrolled Construction of the Tricyclic Framework of Tiglianes and Daphnanes by an Oxidative Dearomatization Approach. <i>Organic Letters</i> , 2014, 16, 2288-2291.	4.6	31
29	3-Center-5-Electron Boryl Radicals with f ⁰ g ¹ Ground State Electronic Structure. <i>Organic Letters</i> , 2014, 16, 1486-1489.	4.6	31
30	Novel Chiral Ligand-Enabled Transition-Metal-Catalyzed Asymmetric C-H Borylation. <i>Chinese Journal of Chemistry</i> , 2020, 38, 665-667.	4.9	28
31	Synthesis of aryl trimethylstannanes from aryl halides: an efficient photochemical method. <i>Chemical Communications</i> , 2016, 52, 9125-9128.	4.1	26
32	Cycloadditions in the Total Synthesis of Sporolide B. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5078-5080.	13.8	25
33	Proactive frequency control based on ultra-short-term power fluctuation forecasting for high renewables penetrated power systems. <i>IET Renewable Power Generation</i> , 2019, 13, 2166-2173.	3.1	24
34	Synthesis of Aryl Trimethylstannane via BF ₃ ·OEt ₂ -Mediated Cross-Coupling of Hexaalkyl Distannane Reagent with Aryl Triazene at Room Temperature. <i>Journal of Organic Chemistry</i> , 2019, 84, 463-471.	3.2	23
35	A Microfluidic System for the Continuous Recycling of Unmodified Homogeneous Palladium Catalysts through Liquid/Liquid Phase Separation. <i>ChemCatChem</i> , 2013, 5, 1729-1733.	3.7	22
36	N-B dative bond-induced [3.3.0] bicyclic boronate-tethered exo-selective intramolecular Diels-Alder reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7136-7139.	2.8	20

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37	A unified approach for divergent synthesis of contiguous stereodiads employing a small boronyl group. <i>Nature Communications</i> , 2020, 11, 792.	12.8	20
38	Recent Advances in Transition-Metal-Free Aryl C–B Bond Formation. <i>Synthesis</i> , 2017, 49, 4719-4730.	2.3	19
39	Iridium-catalyzed intermolecular directed dehydrogenative ortho C–H silylation. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1943-1946.	4.5	19
40	Improving Relation Extraction with Knowledge-attention. , 2019, , .		19
41	Total Synthesis of Prostratin, a Bioactive Tigliane Diterpenoid: Access to Multi-Stereocenter Cyclohexanes from a Phenol. <i>Journal of Organic Chemistry</i> , 2020, 85, 4813-4837.	3.2	17
42	A Novel Self-Triggered MPC Scheme for Constrained Input-Affine Nonlinear Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 306-310.	3.0	15
43	Design, synthesis and biological evaluation of simplified analogues of the RNA polymerase inhibitor etnangien. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 939-941.	2.2	14
44	Differentiated Di- and Polyboron Compounds: Synthesis and Application in Successive Suzuki–Miyaura Coupling. <i>Synlett</i> , 2014, 25, 1799-1802.	1.8	14
45	The Marriage of Carborane with Chalcogen Atoms: Nonconjugation, π – π Conjugation, and Intramolecular Charge Transfer. <i>Organic Letters</i> , 2019, 21, 8285-8289.	4.6	14
46	Zr ^{II} –bpy, a New C ₂ -Symmetric Bipyridine Ligand and Its Application in Enantioselective Copper(I)-Catalyzed Cyclopropanation of Olefins. <i>Chinese Journal of Chemistry</i> , 2019, 37, 807-810.	4.9	14
47	Bag-of-Concepts representation for document classification based on automatic knowledge acquisition from probabilistic knowledge base. <i>Knowledge-Based Systems</i> , 2020, 193, 105436.	7.1	14
48	Deep Feature Representation Based Imitation Learning for Autonomous Helicopter Aerobatics. <i>IEEE Transactions on Artificial Intelligence</i> , 2021, 2, 437-446.	4.7	11
49	Phosphonated homopolymers and copolymers via ring opening metathesis polymerization: χ tuning, flame resistance, and photolithography. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1396-1408.	2.3	10
50	Networked Dual-Mode Adaptive Horizon MPC for Constrained Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7435-7449.	9.3	10
51	Polyaddition of Azide-Containing Norbornene-Based Monomer through Strain-Promoted 1,3-Dipolar Cycloaddition Reaction. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1311-1317.	3.9	8
52	Soft-nanocoupling between silica and gold nanoparticles based on block copolymer. <i>Reactive and Functional Polymers</i> , 2017, 110, 30-37.	4.1	7
53	Facile synthesis of the daphnane and tigliane framework by semi-flow tube-based-bubbling photooxidation and diastereoselective conjugate addition. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1862-1868.	4.5	7
54	Free radical nano scavenger based on amphiphilic novolacs. <i>RSC Advances</i> , 2015, 5, 95666-95673.	3.6	6

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55	A uniformly porous 2D CN (1 st generation) network predicted by first-principles calculations. RSC Advances, 2015, 5, 11791-11796.	3.6	6
56	NNB-Type Tridentate Boryl Ligands Enabling a Highly Active Iridium Catalyst for C-H Borylation. Molecules, 2019, 24, 1434.	3.8	6
57	A sybil attack detection scheme for privacy-preserving mobile social networks. , 2015, , .		5
58	Integrated Channel-Aware Scheduling and Packet-Based Predictive Control for Wireless Cloud Control Systems. IEEE Transactions on Cybernetics, 2022, 52, 2735-2749.	9.5	5
59	Compound Event-Triggered Distributed MPC for Coupled Nonlinear Systems. IEEE Transactions on Cybernetics, 2023, 53, 5572-5584.	9.5	4
60	An Efficient Procedure for the Direct Nucleophilic Substitution of the Abiko-Masamune Auxiliary. Synlett, 2009, 2009, 2417-2420.	1.8	2
61	Photo-controlled release of metal ions using triazoline-containing amphiphilic copolymers. Polymer Chemistry, 2019, 10, 3585-3596.	3.9	2
62	Convolutional Transformer with Sentiment-aware Attention for Sentiment Analysis. , 2020, , .		2
63	A Deep Learning Method for Power Fluctuation Identification from Frequency Fluctuations. , 2019, , .		1
64	Knowledge-oriented Hierarchical Neural Network for Sentiment Classification. IOP Conference Series: Materials Science and Engineering, 2019, 646, 012023.	0.6	1
65	Combining Position-aware CNN and RNN for Relation Extraction. , 2019, , .		1
66	Knowledge-oriented Sentiment-level Embedding for Sentiment Classification. , 2019, , .		0
67	A novel end-to-end neural network for simultaneous filtering of task-unrelated named entities and fine-grained typing of task-related named entities. Expert Systems With Applications, 2022, 204, 117498.	7.6	0