

Lei Ji

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,942
citations

361045

20
h-index

395343

33
g-index

35
all docs

35
docs citations

35
times ranked

1897
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in and perspectives on three-coordinate boron materials: a bright future. <i>Chemical Science</i> , 2017, 8, 846-863.	3.7	555
2	Wide-range lifetime-tunable and responsive ultralong organic phosphorescent multi-host/guest system. <i>Nature Communications</i> , 2021, 12, 3522.	5.8	161
3	Airâ€Stable Organic Radicals: Newâ€Generation Materials for Flexible Electronics?. <i>Advanced Materials</i> , 2020, 32, e1908015.	11.1	158
4	Electron Delocalization in Reduced Forms of 2-(BMes ₂)pyrene and 2,7-Bis(BMes ₂)pyrene. <i>Journal of the American Chemical Society</i> , 2015, 137, 6750-6753.	6.6	134
5	Switching High Two-Photon Efficiency: From 3,8,13-Substituted Triindole Derivatives to Their 2,7,12-Isomers. <i>Organic Letters</i> , 2010, 12, 5192-5195.	2.4	101
6	Pyrene Molecular Orbital Shuffleâ€Controlling Excited State and Redox Properties by Changing the Nature of the Frontier Orbitals. <i>Chemistry - A European Journal</i> , 2017, 23, 13164-13180.	1.7	90
7	Experimental and Theoretical Studies of Quadrupolar Oligothiopheneâ€Cored Chromophores Containing Dimesitylboryl Moieties as Î€Accepting Endâ€Groups: Syntheses, Structures, Fluorescence, and Oneâ€and Twoâ€Photon Absorption. <i>Chemistry - A European Journal</i> , 2014, 20, 13618-13635.	1.7	84
8	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17137-17144.	7.2	82
9	Synthesis and Photophysics of a 2,7-Disubstituted Donorâ€Acceptor Pyrene Derivative: An Example of the Application of Sequential Ir-Catalyzed Câ€H Borylation and Substitution Chemistry. <i>Journal of Organic Chemistry</i> , 2015, 80, 5658-5665.	1.7	64
10	Preparation, Properties, and Structures of the Radical Anions and Dianions of Azapentacenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 15968-15976.	6.6	57
11	Synthesis, Photophysical, and Electrochemical Properties of Pyrenes Substituted with Donors or Acceptors at the 4- or 4,9-Positions. <i>Journal of Organic Chemistry</i> , 2018, 83, 3599-3606.	1.7	50
12	Iridium-Catalyzed Borylation of Pyrene: Irreversibility and the Influence of Ligand on Selectivity. <i>Journal of Organic Chemistry</i> , 2015, 80, 661-665.	1.7	42
13	Bromination Improves the Electron Mobility of Tetraazapentacene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9543-9547.	7.2	42
14	Polydatin protects SH-SY5Y in models of Parkinson's disease by promoting Atg5-mediated but parkin-independent autophagy. <i>Neurochemistry International</i> , 2020, 134, 104671.	1.9	41
15	The Radical Anion and Dianion of Tetraazapentacene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10498-10501.	7.2	36
16	Rapid multiple-quantum three-dimensional fluorescence spectroscopy disentangles quantum pathways. <i>Nature Communications</i> , 2019, 10, 4735.	5.8	27
17	Triarylboraneâ€Based Helical Donorâ€Acceptor Compounds: Synthesis, Photophysical, and Electronic Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 10845-10857.	1.7	27
18	Preparation and Characterization of a Î€Conjugated Donorâ€Acceptor System Containing the Strongly Electronâ€Accepting Tetraphenylborolyl Unit. <i>Chemistry - A European Journal</i> , 2019, 25, 4707-4712.	1.7	23

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19	Synthesis and Structure of an <i>o</i> -Carboranyl-Substituted Three-Coordinate Borane Radical Anion. Chemistry - A European Journal, 2021, 27, 8159-8167.	1.7	23
20	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. Angewandte Chemie, 2020, 132, 17285-17292.	1.6	22
21	Thermodynamic equilibrium between locally excited and charge-transfer states through thermally activated charge transfer in 1-(pyren-2-yl)- <i>o</i> -carborane. Chemical Science, 2022, 13, 5205-5219.	3.7	20
22	An Iterative Divergent Approach to Conjugated Starburst Borane Dendrimers. Chemistry - A European Journal, 2020, 26, 12951-12963.	1.7	18
23	Tetrabromtetraazapentacen: erhohte Elektronenbeweglichkeit. Angewandte Chemie, 2018, 130, 9688-9692.	1.6	16
24	1,1-Dibutyl-3,3-biindolinylidene-2,2-dione. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4342-o4342.	0.2	11
25	Das Radikalanion und Dianion von Tetraazapentacen. Angewandte Chemie, 2016, 128, 10654-10657.	1.6	11
26	Evidence of Increased Hydrophobicity and Dynamics inside the Tail Region of Glycolipid Self-Assemblies Using 2- <i>n</i> -Alkyl-Pyrene Derivatives to Probe Different Locations. Langmuir, 2019, 35, 9584-9592.	1.6	11
27	High-performance three-coordinated organoboron emitters for organic light-emitting diodes. Journal of Materials Chemistry C, 2022, 10, 9165-9191.	2.7	10
28	Iridium-catalysed borylation of pyrene – a powerful route to novel optoelectronic materials. New Journal of Chemistry, 2021, 45, 14869-14878.	1.4	7
29	Aggregation-Induced Dual Phosphorescence from (<i>o</i> -Bromophenyl)-Bis(2,6-Dimethylphenyl)Borane at Room Temperature. Chemistry - A European Journal, 2022, 28, .	1.7	7
30	Mono- and Dianion of a Bis(benzobuta)tetraazapentacene Derivative. Chemistry - A European Journal, 2019, 25, 9840-9845.	1.7	5
31	Isolated 2-hydroxypyrene and its dimer: a frequency- and time-resolved spectroscopic study. New Journal of Chemistry, 2021, 45, 14949-14956.	1.4	3
32	6-Bromo-1-butylindoline-2,3-dione. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o136-o136.	0.2	2
33	2,7-Carbazole Derived Organoboron Compounds: Synthesis and Molecular Fluorescence. Frontiers in Chemistry, 2021, 9, 754298.	1.8	2
34	Frontispiece: Triarylborane-Based Helical Donor-Acceptor Compounds: Synthesis, Photophysical, and Electronic Properties. Chemistry - A European Journal, 2019, 25, .	1.7	0
35	Frontispiece: An Iterative Divergent Approach to Conjugated Starburst Borane Dendrimers. Chemistry - A European Journal, 2020, 26, .	1.7	0