

Florian Rauch

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21 papers	279 citations	10 h-index	16 g-index
26 ext. papers	396 ext. citations	6 avg, IF	3.6 L-index

#	Paper	IF	Citations
21	Pure Boric Acid Does Not Show Room Temperature Phosphorescence (RTP).. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	2
20	Highly Emissive 9-Borafluorene Derivatives: Synthesis, Photophysical Properties and Device Fabrication. <i>Chemistry - A European Journal</i> , 2021 , 27, 6274-6282	4.8	5
19	Synthesis of Highly Functionalizable Symmetrically and Unsymmetrically Substituted Triarylboranes from Bench-Stable Boron Precursors. <i>Chemistry - A European Journal</i> , 2021 , 27, 9094-9101	4.8	3
18	Rethinking Borole Cycloaddition Reactivity. <i>Chemistry - A European Journal</i> , 2021 , 27, 11226-11233	4.8	2
17	Two derivatives of phenylpyridyl-fused boroles with contrasting electronic properties: decreasing and enhancing the electron accepting ability. <i>Dalton Transactions</i> , 2021 , 50, 355-361	4.3	2
16	Phenylpyridyl-Fused Boroles: A Unique Coordination Mode and Weak B-N Coordination-Induced Dual Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4833-4840	16.4	13
15	Phenylpyridyl-Fused Boroles: A Unique Coordination Mode and Weak B-N Coordination-Induced Dual Fluorescence. <i>Angewandte Chemie</i> , 2021 , 133, 4883-4890	3.6	2
14	Bis(phenylethynyl)arene Linkers in Tetracationic Bis-triarylborane Chromophores Control Fluorimetric and Raman Sensing of Various DNAs and RNAs. <i>Chemistry - A European Journal</i> , 2021 , 27, 5142-5159	4.8	8
13	Computationally Guided Molecular Design to Minimize the LE/CT Gap in D- π -A Fluorinated Triarylboranes for Efficient TADF via D and π -Bridge Tuning. <i>Advanced Functional Materials</i> , 2020 , 30, 2002064	15.6	23
12	Electronically Driven Regioselective Iridium-Catalyzed C-H Borylation of Donor-Acceptor Chromophores Containing Triarylboron Acceptors. <i>Chemistry - A European Journal</i> , 2020 , 26, 10626-10633	4.8	7
11	Tetracationic Bis-Triarylborane 1,3-Butadiyne as a Combined Fluorimetric and Raman Probe for Simultaneous and Selective Sensing of Various DNA, RNA, and Proteins. <i>Chemistry - A European Journal</i> , 2020 , 26, 6017-6028	4.8	13
10	Highly Stable, Readily Reducible, Fluorescent, Trifluoromethylated 9-Borafluorenes. <i>Chemistry - A European Journal</i> , 2020 , 26, 12794-12808	4.8	22
9	Insights into the Optical Properties of Triarylboranes with Strongly Electron-Accepting Bis(fluoromesityl)boryl Groups: when Theory Meets Experiment. <i>ChemPhotoChem</i> , 2020 , 4, 173-180	3.3	6
8	Nitro End Groups: Remarkable Vibrational Reporters for Charge Transfer in the Excited States of Oligo(p-phenyleneethynylene)-Bridged Donor-Acceptor Dyads. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 9755-9764	3.8	1
7	(Hetero)arene-fused boroles: a broad spectrum of applications. <i>Chemical Science</i> , 2020 , 12, 128-147	9.4	31
6	An Iterative Divergent Approach to Conjugated Starburst Borane Dendrimers. <i>Chemistry - A European Journal</i> , 2020 , 26, 12951-12963	4.8	12
5	Steric Effects Dictate the Formation of Terminal Arylborylene Complexes of Ruthenium from Dihydroboranes. <i>Chemistry - A European Journal</i> , 2019 , 25, 13566-13571	4.8	8

4	The Effect of Branching on the One- and Two-Photon Absorption, Cell Viability, and Localization of Cationic Triarylborane Chromophores with Dipolar versus Octupolar Charge Distributions for Cellular Imaging. <i>Chemistry - A European Journal</i> , 2019 , 25, 13164-13175	4.8	34
3	N-Heterocyclic Olefins as Electron Donors in Combination with Triarylborane Acceptors: Synthesis, Optical and Electronic Properties of D- π -A Compounds. <i>Chemistry - A European Journal</i> , 2019 , 25, 13777-13784	4.8	11
2	O,N,B-Containing eight-membered heterocycles by ring expansion of boroles with nitrones. <i>Chemical Communications</i> , 2015 , 51, 14513-5	5.8	34
1	Ring Expansions of Boroles with Diazo Compounds: Steric Control of C or N Insertion and Aromatic/Nonaromatic Products. <i>Chemistry - A European Journal</i> , 2015 , 21, 17844-9	4.8	38