

Jörn Nitsch

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,383
citations

304368

22
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476904

29
g-index

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all docs

32
docs citations

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times ranked

1743
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic equilibrium between locally excited and charge-transfer states through thermally activated charge transfer in 1-(pyren-2-yl)- <i>o</i> -carborane. <i>Chemical Science</i> , 2022, 13, 5205-5219.	3.7	20
2	Phenylpyridyl- <i>Fused Boroles: A Unique Coordination Mode and Weak B-N Coordination-Induced Dual Fluorescence. <i>Angewandte Chemie - International Edition</i>, 2021, 60, 4833-4840.</i>	7.2	28
3	Phenylpyridyl- <i>Fused Boroles: A Unique Coordination Mode and Weak B-N Coordination-Induced Dual Fluorescence. <i>Angewandte Chemie</i>, 2021, 133, 4883-4890.</i>	1.6	9
4	A Quadrupolar Bis-Triarylborane Chromophore as a Fluorimetric and Chiroptic Probe for Simultaneous and Selective Sensing of DNA, RNA and Proteins. <i>Chemistry - A European Journal</i> , 2020, 26, 2195-2203.	1.7	33
5	Visible-Light-Induced Ni-Catalyzed Radical Borylation of Chloroarenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 18231-18242.	6.6	56
6	Computationally Guided Molecular Design to Minimize the LE/CT Gap in Di- and Tri-Fluorinated Triarylboranes for Efficient TADF via D and π -Bridge Tuning. <i>Advanced Functional Materials</i> , 2020, 30, 2002064.	7.8	39
7	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie</i> , 2020, 132, 17285-17292.	1.6	22
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	<i>o</i> -N-Heterocyclic Silylenes as Ligands in Transition Metal Carbonyl Chemistry: Nature of Their Bonding and Supposed Innocence. <i>Chemistry - A European Journal</i> , 2020, 26, 11276-11292.	1.7	27
10	Synthesis, Photophysical and Electronic Properties of Mono-, Di-, and Tri-Amino-Substituted Ortho-perylenes, and Comparison to the Tetra-Substituted Derivative. <i>Chemistry - A European Journal</i> , 2020, 26, 12050-12059.	1.7	8
11	A Quadrupolar Bis-Triarylborane Chromophore as a Fluorimetric and Chiroptic Probe for Simultaneous and Selective Sensing of DNA, RNA and Proteins. <i>Chemistry - A European Journal</i> , 2020, 26, 2098-2098.	1.7	0
12	Steric Effects Dictate the Formation of Terminal Arylborylene Complexes of Ruthenium from Dihydroboranes. <i>Chemistry - A European Journal</i> , 2019, 25, 13566-13571.	1.7	14
13	Frontispiece: Triarylborane-Based Helical Donor-Acceptor Compounds: Synthesis, Photophysical, and Electronic Properties. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0
14	Toward Transition-Metal-Templated Construction of Arylated B ₄ Chains by Dihydroborane Dehydrocoupling. <i>Chemistry - A European Journal</i> , 2019, 25, 16544-16549.	1.7	9
15	Triarylborane-Based Helical Donor-Acceptor Compounds: Synthesis, Photophysical, and Electronic Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 10845-10857.	1.7	27
16	Synthesis, photophysical and electronic properties of tetra-donor- or acceptor-substituted <i>ortho</i> -perylenes displaying four reversible oxidations or reductions. <i>Chemical Science</i> , 2019, 10, 7516-7534.	3.7	45
17	Tuning the π -bridge of quadrupolar triarylborane chromophores for one- and two-photon excited fluorescence imaging of lysosomes in live cells. <i>Chemical Science</i> , 2019, 10, 5405-5422.	3.7	83
18	Preparation and Characterization of a π -Conjugated Donor-Acceptor System Containing the Strongly Electron-Accepting Tetraphenylborolyl Unit. <i>Chemistry - A European Journal</i> , 2019, 25, 4707-4712.	1.7	23

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19	Relevance of Orbital Interactions and Pauli Repulsion in the Metal–Metal Bond of Coinage Metals. <i>Inorganic Chemistry</i> , 2018, 57, 2603-2608.	1.9	47
20	Stimulus-Triggered Formation of an Anion–Cation Exciplex in Copper(I) Complexes as a Mechanism for Mechanochromic Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13671-13675.	7.2	84
21	Enhanced π -Backdonation as a Way to Higher Coordination Numbers in d^{10} [M(NHC) _n] Complexes: A DFT Study. <i>Chemistry - A European Journal</i> , 2017, 23, 614-622.	1.7	17
22	Near-Infrared Luminescence and Inner Filter Effects of Lanthanide Coordination Polymers with 1,2-Di(4-pyridyl)ethylene. <i>Inorganic Chemistry</i> , 2016, 55, 7396-7406.	1.9	34
23	Cuprophilic interactions in highly luminescent dicopper(μ -NHC)picolyl complexes – fast phosphorescence or TADF?. <i>Chemical Communications</i> , 2016, 52, 2932-2935.	2.2	106
24	Luminescent copper halide and pseudohalide phenanthroline complexes revisited: simple structures, complicated excited state behavior. <i>Dalton Transactions</i> , 2015, 44, 6944-6960.	1.6	47
25	Bite-angle bending as a key for understanding group-10 metal reactivity of d^{10} -[M(NHC) ₂] complexes with sterically modest NHC ligands. <i>Chemical Science</i> , 2015, 6, 1426-1432.	3.7	27
26	White light emission of IFP-1 by in situ co-doping of the MOF pore system with Eu ³⁺ and Tb ³⁺ . <i>Journal of Materials Chemistry C</i> , 2015, 3, 4623-4631.	2.7	38
27	Optical and electronic properties of air-stable organoboron compounds with strongly electron-accepting bis(fluoromesityl)boryl groups. <i>Chemical Science</i> , 2015, 6, 308-321.	3.7	128
28	–A Triarylboron Compounds with Tunable Push–Pull Character Achieved by Modification of Both the Donor and Acceptor Moieties. <i>Chemistry - A European Journal</i> , 2015, 21, 177-190.	1.7	125
29	Synthesis and Photoluminescence Properties of an Unprecedented Phosphinine–Cu ₄ Br ₄ Cluster. <i>Inorganic Chemistry</i> , 2014, 53, 9855-9859.	1.9	53
30	Metal–Organic Framework Luminescence in the Yellow Gap by Codoping of the Homoleptic Imidazolate ₃ [Ba(lm) ₂] with Divalent Europium. <i>Journal of the American Chemical Society</i> , 2013, 135, 6896-6902.	6.6	76
31	The Series of Rare Earth Complexes [Ln ₂ Cl ₆ (4,4'-bipy)(py) ₆], Ln=Y, Pr, Nd, Sm: A Molecular Model System for Luminescence Properties in MOFs Based on LnCl ₃ and 4,4'-bipyridine. <i>Chemistry - A European Journal</i> , 2013, 19, 17369-17378.	1.7	76