

Todd B Marder

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.

386
papers

27,593
citations

90
h-index

151
g-index

442
ext. papers

30,492
ext. citations

7.8
avg, IF

7.25
L-index

#	Paper	IF	Citations
386	Pure Boric Acid Does Not Show Room Temperature Phosphorescence (RTP).. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	2
385	Recent advances in asymmetric borylation by transition metal catalysis. <i>Chemical Society Reviews</i> , 2021 , 50, 13129-13188	58.5	14
384	First-Row d-Block Element-Catalyzed Carbon-Boron Bond Formation and Related Processes. <i>Chemical Reviews</i> , 2021 , 121, 13238-13341	68.1	27
383	Synthetic Approaches to Triarylboranes from 1885 to 2020. <i>Chemistry - A European Journal</i> , 2021 , 27, 7043-7058	4.8	18
382	Visible-light-driven graphene supported Cu/Pd alloy nanoparticle-catalyzed borylation of alkyl bromides and chlorides in air. <i>Journal of Catalysis</i> , 2021 , 395, 258-265	7.3	5
381	Highly Emissive 9-Borafluorene Derivatives: Synthesis, Photophysical Properties and Device Fabrication. <i>Chemistry - A European Journal</i> , 2021 , 27, 6274-6282	4.8	5
380	Pyrene-Based "Turn-Off" Probe with Broad Detection Range for Cu , Pb and Hg Ions. <i>Chemistry - A European Journal</i> , 2021 , 27, 8118-8126	4.8	5
379	Mechanistic and Kinetic Factors of ortho-Benzyne Formation in Hexadehydro-Diels-Alder (HDDA) Reactions. <i>Chemistry - A European Journal</i> , 2021 , 27, 7978-7991	4.8	2
378	Ni-Catalyzed Borylation of Aryl Sulfoxides. <i>Chemistry - A European Journal</i> , 2021 , 27, 8149-8158	4.8	5
377	Synthesis and Structure of an o-Carboranyl-Substituted Three-Coordinate Borane Radical Anion. <i>Chemistry - A European Journal</i> , 2021 , 27, 8159-8167	4.8	7
376	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
375	Transition Metal Catalyst-Free, Base-Promoted 1,2-Additions of Polyfluorophenylboronates to Aldehydes and Ketones. <i>Angewandte Chemie</i> , 2021 , 133, 16665-16674	3.6	0
374	Transition Metal Catalyst-Free, Base-Promoted 1,2-Additions of Polyfluorophenylboronates to Aldehydes and Ketones. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16529-16538	16.4	0
373	Rethinking Borole Cycloaddition Reactivity. <i>Chemistry - A European Journal</i> , 2021 , 27, 11226-11233	4.8	2
372	Isolated 2-hydroxypyrene and its dimer: a frequency- and time-resolved spectroscopic study. <i>New Journal of Chemistry</i> , 2021 , 45, 14949-14956	3.6	1
371	Base-Free Pd-Catalyzed C-Cl Borylation of Fluorinated Aryl Chlorides. <i>Chemistry - A European Journal</i> , 2021 , 27, 3869-3874	4.8	6
370	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

369	Fluorinated Aryl Boronates as Building Blocks in Organic Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 2224-2255	5.6	16
368	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
367	2- and 2,7-Substituted para-N-Methylpyridinium Pyrenes: Syntheses, Molecular and Electronic Structures, Photophysical, Electrochemical, and Spectroelectrochemical Properties and Binding to Double-Stranded (ds) DNA. <i>Chemistry - A European Journal</i> , 2021 , 27, 2837-2853	4.8	5
366	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
365	β-Aminoboronates: recent advances in their preparation and synthetic applications. <i>Chemical Society Reviews</i> , 2021 , 50, 12151-12188	58.5	3
364	One- and two-electron reduction of triarylborane-based helical donor-acceptor compounds. <i>Chemical Science</i> , 2021 , 12, 11864-11872	9.4	3
363	Applications of triarylborane materials in cell imaging and sensing of bio-relevant molecules such as DNA, RNA, and proteins. <i>Materials Horizons</i> , 2021 ,	14.4	9
362	Peptide Vectors Carry Pyrene to Cell Organelles Allowing Real-Time Quantification of Free Radicals in Mitochondria by Time-Resolved Fluorescence Microscopy. <i>ChemBioChem</i> , 2021 , 22, 1676-1685	3.8	2
361	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
360	Photoinduced Borylation for the Synthesis of Organoboron Compounds. <i>Chemical Reviews</i> , 2021 , 121, 3561-3597	68.1	45
359	Persistent Room-Temperature Phosphorescence from Purely Organic Molecules and Multi-Component Systems. <i>Advanced Optical Materials</i> , 2021 , 9, 2100411	8.1	15
358	NB ← N Bridged Bithiophene: A Building Block with Reduced Band Gap to Design n-Type Conjugated Polymers. <i>Macromolecules</i> , 2021 , 54, 6718-6725	5.5	2
357	Bithiophene-Cored, mono-, bis-, and tris-(Trimethylammonium)-Substituted, bis-Triarylborane Chromophores: Effect of the Number and Position of Charges on Cell Imaging and DNA/RNA Sensing. <i>Chemistry - A European Journal</i> , 2021 , 27, 14057-14072	4.8	5
356	Computationally Guided Molecular Design to Minimize the LE/CT Gap in D-β Fluorinated Triarylboranes for Efficient TADF via D and β Bridge Tuning. <i>Advanced Functional Materials</i> , 2020 , 30, 2002064	15.6	23
355	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie</i> , 2020 , 132, 17285-17292	3.6	6
354	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17137-17144	16.4	34
353	Electronically Driven Regioselective Iridium-Catalyzed C-H Borylation of Donor-β-Acceptor Chromophores Containing Triarylboron Acceptors. <i>Chemistry - A European Journal</i> , 2020 , 26, 10626-10633	4.8	7
352	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	4.8	16

351	Regio- and Stereoselective Synthesis of 1,1-Diborylalkenes via Brønsted Base-Catalyzed Mixed Diboration of Alkynyl Esters and Amides with BpinBdan. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 1941-1946	3.2	15
350	Comparison Study of the Site-Effect on Regioisomeric Pyridyl-Pyrene Conjugates: Synthesis, Structures, and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2020 , 85, 4256-4266	4.2	12
349	Concise synthesis of β -amino cyclic boronates via multicomponent coupling of salicylaldehydes, amines, and B ₂ (OH) ₄ . <i>Green Chemistry</i> , 2020 , 22, 2184-2190	10	6
348	Palladium-Catalyzed Homocoupling of Highly Fluorinated Arylboronates: Studies of the Influence of Strongly vs Weakly Coordinating Solvents on the Reductive Elimination Process. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6036-6050	16.4	18
347	Highly Conjugated β -Systems Arising from Cannibalistic Hexadehydro-Diels-Alder Couplings: Cleavage of C-C Single and Triple Bonds. <i>Chemistry - A European Journal</i> , 2020 , 26, 15989-16000	4.8	6
346	Ni-Catalyzed Traceless, Directed C ₃ -Selective C-H Borylation of Indoles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13136-13144	16.4	30
345	High photocatalytic activity of a NiO nanodot-decorated Pd/SiC catalyst for the Suzuki-Miyaura cross-coupling of aryl bromides and chlorides in air under visible light. <i>Journal of Catalysis</i> , 2020 , 389, 517-524	7.3	16
344	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
343	Highly Stable, Readily Reducible, Fluorescent, Trifluoromethylated 9-Borafluorenes. <i>Chemistry - A European Journal</i> , 2020 , 26, 12794-12808	4.8	22
342	NHC-stabilized copper(I) aryl complexes and their transmetalation reaction with aryl halides. <i>Journal of Organometallic Chemistry</i> , 2020 , 919, 121249	2.3	6
341	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	4.8	4
340	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	4.8	
339	Direct observation of β -benzyne formation in photochemical hexadehydro-Diels-Alder (β -HDDA) reactions. <i>Chemical Science</i> , 2020 , 11, 9198-9208	9.4	6
338	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
337	Kupfer-katalysierte Triborierung terminaler Alkine mit B ₂ pin ₂ : Effiziente Synthese von 1,1,2-Triborylalkenen. <i>Angewandte Chemie</i> , 2020 , 132, 311-316	3.6	9
336	The Borono-Strecker Reaction: Synthesis of β -Aminoboronates via a Multicomponent Reaction of Carbonyl Compounds, Amines, and Bpin. <i>Organic Letters</i> , 2020 , 22, 365-370	6.2	11
335	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	4.8	17
334	Pressure-Induced Polymerization of Polycyclic Arene-Perfluoroarene Cocrystals: Single Crystal X-ray Diffraction Studies, Reaction Kinetics, and Design of Columnar Hydrofluorocarbons. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18907-18923	16.4	19

333	Visible-Light-Induced Ni-Catalyzed Radical Borylation of Chloroarenes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18231-18242	16.4	22
332	Coligand role in the NHC nickel catalyzed C-F bond activation: investigations on the insertion of bis(NHC) nickel into the C-F bond of hexafluorobenzene. <i>Chemical Science</i> , 2020 , 11, 11009-11023	9.4	11
331	Copper-Catalyzed Oxidative Cross-Coupling of Electron-Deficient Polyfluorophenylboronate Esters with Terminal Alkynes. <i>Chemistry - A European Journal</i> , 2020 , 26, 17267-17274	4.8	11
330	Copper-Catalyzed Synthesis of Stereodefined Cyclopropyl Bis(boronates) from Alkenes with CO as the C1 Source. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14074-14079	16.4	20
329	Role of Intermolecular Interactions in the Excited-State Photophysics of Tetracene and 2,2'-Ditetracene. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 19435-19446	3.8	2
328	Copper-Catalyzed Triboration of Terminal Alkynes Using B pin : Efficient Synthesis of 1,1,2-Triborylalkenes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 304-309	16.4	28
327	Synthesis, Photophysical and Electronic Properties of New Red-to-NIR Emitting Donor-Acceptor Pyrene Derivatives. <i>Chemistry - A European Journal</i> , 2020 , 26, 438-453	4.8	17
326	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
325	(Hetero)arene-fused boroles: a broad spectrum of applications. <i>Chemical Science</i> , 2020 , 12, 128-147	9.4	31
324	An Iterative Divergent Approach to Conjugated Starburst Borane Dendrimers. <i>Chemistry - A European Journal</i> , 2020 , 26, 12951-12963	4.8	12
323	Triarylborane-Based Helical Donor-Acceptor Compounds: Synthesis, Photophysical, and Electronic Properties. <i>Chemistry - A European Journal</i> , 2019 , 25, 10845-10857	4.8	18
322	Synthesis, photophysical and electronic properties of tetra-donor- or acceptor-substituted -perylene displaying four reversible oxidations or reductions. <i>Chemical Science</i> , 2019 , 10, 7516-7534	9.4	26
321	Mono- and Dianion of a Bis(benzobuta)tetraazapentacene Derivative. <i>Chemistry - A European Journal</i> , 2019 , 25, 9840-9845	4.8	5
320	Copper-catalysed borylation of aryl chlorides. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 6601-6606	3.9	24
319	FBpin and its adducts and their role in catalytic borylations. <i>Faraday Discussions</i> , 2019 , 220, 350-363	3.6	13
318	Tuning the Ebridge 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	9.4	58
317	Optimization of Aqueous Stability versus EConjugation in Tetracationic Bis(triarylborane) Chromophores: Applications in Live-Cell Fluorescence Imaging. <i>Chemistry - A European Journal</i> , 2019 , 25, 7679-7688	4.8	30
316	Photoactivated cell-killing involving a low molecular weight, donor-acceptor diphenylacetylene. <i>Chemical Science</i> , 2019 , 10, 4673-4683	9.4	10

315	Stoichiometric and Catalytic Aryl-Cl Activation and Borylation using NHC-stabilized Nickel(0) Complexes. <i>Chemistry - A European Journal</i> , 2019 , 25, 9514-9521	4.8	23
314	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
313	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
312	Evidence of Increased Hydrophobicity and Dynamics inside the Tail Region of Glycolipid Self-Assemblies Using 2-Alkyl-Pyrene Derivatives to Probe Different Locations. <i>Langmuir</i> , 2019 , 35, 9584-9592 ⁶	4.8	6
311	Copper-Catalysed Suzuki-Miyaura Cross-Coupling of Highly Fluorinated Aryl Boronate Esters with Aryl Iodides and Bromides and Fluoroarene-Arene π -Stacking Interactions in the Products. <i>ChemCatChem</i> , 2019 , 11, 5387-5396	5.2	24
310	Switching on and off Interlayer Correlations and Porosity in 2D Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12570-12581	16.4	75
309	Kupferkatalysierte Triborierung: Einfache, atomökonomische Synthese von 1,1,1-Triborylalkanen aus terminalen Alkinen und HBpin. <i>Angewandte Chemie</i> , 2019 , 131, 19099-19103	3.6	2
308	Copper-Catalyzed Triboration: Straightforward, Atom-Economical Synthesis of 1,1,1-Triborylalkanes from Terminal Alkynes and HBpin. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18923-18927	16.4	18
307	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
306	Toward Transition-Metal-Templated Construction of Arylated B Chains by Dihydroborane Dehydrocoupling. <i>Chemistry - A European Journal</i> , 2019 , 25, 16544	4.8	5
305	Rapid multiple-quantum three-dimensional fluorescence spectroscopy disentangles quantum pathways. <i>Nature Communications</i> , 2019 , 10, 4735	17.4	15
304	Dreifach koordiniertes Bor als Superdonor und -akzeptor für quadrupolare Nahinfrarot-Chromophore. <i>Angewandte Chemie</i> , 2019 , 131, 6516-6521	3.6	14
303	Near-Infrared Quadrupolar Chromophores Combining Three-Coordinate Boron-Based Superdonor and Superacceptor Units. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6449-6454	16.4	30
302	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	4.8	12
301	Physical methods for mechanistic understanding: general discussion. <i>Faraday Discussions</i> , 2019 , 220, 144-178	3.6	
300	Computational and theoretical approaches for mechanistic understanding: general discussion. <i>Faraday Discussions</i> , 2019 , 220, 464-488	3.6	2
299	Copper(I) complexes of N-alkyl-substituted N-Heterocyclic carbenes. <i>Journal of Organometallic Chemistry</i> , 2019 , 881, 25-33	2.3	12
298	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	4.2	35

297	Tandem fluorescence and Raman (fluoRaman) characterisation of a novel photosensitiser in colorectal cancer cell line SW480. <i>Analyst, The</i> , 2018 , 143, 6113-6120	5	10
296	Selective Photocatalytic C-F Borylation of Polyfluoroarenes by Rh/Ni Dual Catalysis Providing Valuable Fluorinated Arylboronate Esters. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17612-17623	16.4	87
295	Reactivity of Tetrahalo- and Difluorodiboranes(4) toward Lewis Basic Platinum(0): Bis(boryl), Borylborato, and Doubly Boryl-Bridged Platinum Complexes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13056-13063	16.4	12
294	Tetrabromtetraazapentacen: erhöhte Elektronenbeweglichkeit. <i>Angewandte Chemie</i> , 2018 , 130, 9688-9692	3.6	13
293	Bromination Improves the Electron Mobility of Tetraazapentacene. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9543-9547	16.4	32
292	B-B bond activation and NHC ring-expansion reactions of diboron(4) compounds, and accurate molecular structures of B(NMe), Bep, Bneop and Bpin. <i>Dalton Transactions</i> , 2017 , 46, 3661-3680	4.3	50
291	Synthesis of Benzyl-, Allyl-, and Allenyl-boronates via Copper-Catalyzed Borylation of Alcohols. <i>Organic Letters</i> , 2017 , 19, 1204-1207	6.2	48
290	Self-Assembly of 9,10-Bis(phenylethynyl) Anthracene (BPEA) Derivatives: Influence of π - π and Hydrogen-Bonding Interactions on Aggregate Morphology and Self-Assembly Mechanism. <i>Chemistry - A European Journal</i> , 2017 , 23, 6198-6205	4.8	34
289	Convenient synthetic access to fluorescent rhodacyclopentadienes via ligand exchange reactions. <i>Journal of Organometallic Chemistry</i> , 2017 , 847, 184-192	2.3	5
288	Acyloboranes: synthetic strategies and applications. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 1738-1752	3.52	47
287	DFT Studies of Dimerization Reactions of Boroles. <i>Chemistry - A European Journal</i> , 2017 , 23, 11587-11597	4.8	7
286	Reversible Oxidative Addition at Carbon. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10209-10213	13.4	44
285	Methodology and applications of the hexadehydro-Diels-Alder (HDDA) reaction. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 891-910	5.2	77
284	Facile insertion of a cyclic alkyl(amino) carbene carbon into the B-B bond of diboron(4) reagents. <i>Chemical Communications</i> , 2017 , 53, 11694-11696	5.8	35
283	Pyrene Molecular Orbital Shuffle-Controlling Excited State and Redox Properties by Changing the Nature of the Frontier Orbitals. <i>Chemistry - A European Journal</i> , 2017 , 23, 13164-13180	4.8	70
282	Geometric Shape Regulation and Noncovalent Synthesis of One-Dimensional Organic Luminescent Nano-/Micro-Materials. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3711-3717	6.4	4
281	DFT studies on reactions of boroles with carbon monoxide. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 7019-7027	3.9	10
280	Reversible oxidative Addition an Kohlenstoff. <i>Angewandte Chemie</i> , 2017 , 129, 10343-10347	3.6	17

- 279 Preparation, Properties, and Structures of the Radical Anions and Dianions of Azapentacenes. *Journal of the American Chemical Society*, **2017**, 139, 15968-15976 16.4 46
- 278 Synthesis of Vinyl-, Allyl-, and 2-Boryl Allylboronates via a Highly Selective Copper-Catalyzed Borylation of Propargylic Alcohols. *Organic Letters*, **2017**, 19, 6586-6589 6.2 43
- 277 Palladium-Catalyzed Oxidative Borylation of Allylic C-H Bonds in Alkenes. *Organic Letters*, **2017**, 19, 6590-6593 22
- 276 Recent developments in and perspectives on three-coordinate boron materials: a bright future. *Chemical Science*, **2017**, 8, 846-863 9.4 382
- 275 Adduct Formation, B-H Activation and Ring Expansion at Room Temperature from Reactions of HBcat with NHCs. *Chemistry - A European Journal*, **2016**, 22, 13032-6 4.8 62
- 274 Water-Soluble Triarylborane Chromophores for One- and Two-Photon Excited Fluorescence Imaging of Mitochondria in Cells. *Chemistry - A European Journal*, **2016**, 22, 14701-6 4.8 61
- 273 Synthesis and fluxional behaviour of novel chloroborole dimers. *Chemical Communications*, **2016**, 52, 9707-10 5.8 19
- 272 Das Radikalanion und Dianion von Tetraazapentacen. *Angewandte Chemie*, **2016**, 128, 10654-10657 3.6 9
- 271 The Radical Anion and Dianion of Tetraazapentacene. *Angewandte Chemie - International Edition*, **2016**, 55, 10498-501 16.4 27
- 270 Reductive Coupling of Diynes at Rhodium Gives Fluorescent Rhodacyclopentadienes or Phosphorescent Rhodium 2,2'-Biphenyl Complexes. *Chemistry - A European Journal*, **2016**, 22, 10523-32 4.8 20
- 269 Diboron(4) Compounds: From Structural Curiosity to Synthetic Workhorse. *Chemical Reviews*, **2016**, 116, 9091-161 68.1 618
- 268 Highly Efficient Synthesis of Alkylboronate Esters via Cu(II)-Catalyzed Borylation of Unactivated Alkyl Bromides and Chlorides in Air. *ACS Catalysis*, **2016**, 6, 8332-8335 13.1 88
- 267 NHC Nickel-Catalyzed Suzuki-Miyaura Cross-Coupling Reactions of Aryl Boronate Esters with Perfluorobenzenes. *Journal of Organic Chemistry*, **2016**, 81, 5789-94 4.2 65
- 266 Fully Borylated Methane and Ethane by Ruthenium-Mediated Cleavage and Coupling of CO. *Angewandte Chemie - International Edition*, **2016**, 55, 4707-10 16.4 19
- 265 25 years of N-heterocyclic carbenes: activation of both main-group element-element bonds and NHCs themselves. *Dalton Transactions*, **2016**, 45, 5880-95 4.3 112
- 264 Fully Borylated Methane and Ethane by Ruthenium-Mediated Cleavage and Coupling of CO. *Angewandte Chemie*, **2016**, 128, 4785-4788 3.6 7
- 263 Preparing (Multi)Fluoroarenes as Building Blocks for Synthesis: Nickel-Catalyzed Borylation of Polyfluoroarenes via C-F Bond Cleavage. *Journal of the American Chemical Society*, **2016**, 138, 5250-3 16.4 136
- 262 Cyclic (Alkyl)(Amino)Carbene Complexes of Rhodium and Nickel and Their Steric and Electronic Parameters. *Chemistry - A European Journal*, **2016**, 22, 11005-14 4.8 49

261	ORGANIC CATALYSIS. A leap ahead for activating C-H bonds. <i>Science</i> , 2015 , 349, 473-4	33.3	43
260	Taming the beast: fluoromesityl groups induce a dramatic stability enhancement in boroles. <i>Chemical Science</i> , 2015 , 6, 5922-5927	9.4	76
259	Multidirectional Synthesis of Substituted Indazoles via Iridium-Catalyzed C-H Borylation. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5308-14	4.2	39
258	Synthesis and photophysics of a 2,7-disubstituted donor-acceptor pyrene derivative: an example of the application of sequential Ir-catalyzed C-H borylation and substitution chemistry. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5658-65	4.2	52
257	Computational Insight into Nickel-Catalyzed Carbon-Carbon versus Carbon-Boron Coupling Reactions of Primary, Secondary, and Tertiary Alkyl Bromides. <i>Chemistry - A European Journal</i> , 2015 , 21, 7480-8	4.8	35
256	Synthesis, Structure, and Reactivity of Anionic sp(2) -sp(3) Diboron Compounds: Readily Accessible Boryl Nucleophiles. <i>Chemistry - A European Journal</i> , 2015 , 21, 7082-98	4.8	145
255	sp(2)-sp(3) diboranes: astounding structural variability and mild sources of nucleophilic boron for organic synthesis. <i>Chemical Communications</i> , 2015 , 51, 9594-607	5.8	179
254	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, 6750-3	16.4	118
253	An Experimental and Computational Approach to Understanding the Reactions of Acyl Nitroso Compounds in [4 + 2] Cycloadditions. <i>Journal of Organic Chemistry</i> , 2015 , 80, 9518-34	4.2	14
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