

Holger F Bettinger

List of Publications by Year in descending order

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docs citations

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times ranked

4882
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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Photogeneration of Octacene and Nonacene. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4125-4128. | 13.8 | 317 |
| 2 | Synthesis, Stability, and Photochemistry of Pentacene, Hexacene, and Heptacene: A Matrix Isolation Study. <i>Journal of the American Chemical Society</i> , 2009, 131, 14281-14289. | 13.7 | 226 |
| 3 | Towards Graphite: Magnetic Properties of Large Polybenzenoid Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2003, 125, 6746-6752. | 13.7 | 158 |
| 4 | Open-Shell Singlet Character of Cyclacenes and Short Zigzag Nanotubes. <i>Organic Letters</i> , 2007, 9, 5449-5452. | 4.6 | 147 |
| 5 | Fluorinated single-wall carbon nanotubes. <i>Physical Review B</i> , 2001, 63, . | 3.2 | 143 |
| 6 | Mechanically induced defects and strength of BN nanotubes. <i>Physical Review B</i> , 2002, 65, . | 3.2 | 132 |
| 7 | Role of the Terminal Atoms in the Donor-Acceptor Complexes MX ₃ D (M = Al, Ga, In; X = F, Cl, Br, I; D =) <i>J. Phys. Chem. B</i> , 2001, 105, 10784-10791. | 13.7 | 130 |
| 8 | Scratching the Surface of Buckminsterfullerene: The Barriers for Stone-Wales Transformation through Symmetric and Asymmetric Transition States. <i>Journal of the American Chemical Society</i> , 2003, 125, 5572-5580. | 13.7 | 122 |
| 9 | Construction of an Internally B ₃ N ₃ -Doped Nanographene Molecule. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8284-8286. | 13.8 | 108 |
| 10 | Thermochemistry of Fluorinated Single Wall Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2001, 123, 12849-12856. | 13.7 | 97 |
| 11 | Heptacene: Characterization in Solution, in the Solid State, and in Films. <i>Journal of the American Chemical Society</i> , 2017, 139, 4435-4442. | 13.7 | 97 |
| 12 | The Reactivity of Defects at the Sidewalls of Single-Walled Carbon Nanotubes: The Stone-Wales Defect. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6922-6924. | 2.6 | 96 |
| 13 | Electronic structure of higher acenes and polyacene: The perspective developed by theoretical analyses. <i>Pure and Applied Chemistry</i> , 2010, 82, 905-915. | 1.9 | 92 |
| 14 | The Chemical Vapor Deposition of Aluminum Nitride: Unusual Cluster Formation in the Gas Phase. <i>Journal of the American Chemical Society</i> , 1997, 119, 5668-5678. | 13.7 | 88 |
| 15 | Noncovalent π - π Stacking and CH- π Interactions of Aromatics on the Surface of Single-Wall Carbon Nanotubes: An MP2 Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20070-20075. | 3.1 | 87 |
| 16 | Evolution of the Optical Gap in the Acene Series: Undecacene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10506-10509. | 13.8 | 86 |
| 17 | Pushing the Limits of Acene Chemistry: The Recent Surge of Large Acenes. <i>Chemistry - A European Journal</i> , 2021, 27, 3193-3212. | 3.3 | 83 |
| 18 | Metal-Free Conversion of Methane and Cycloalkanes to Amines and Amides by Employing a Borylnitrene. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4744-4747. | 13.8 | 81 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | BN-Phenanthryne: Cyclotetramerization of an 1,2-Azaborine Derivative. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9380-9383. | 13.8 | 81 |
| 20 | On-Surface Synthesis of BN-Substituted Heteroaromatic Networks. <i>ACS Nano</i> , 2015, 9, 9228-9235. | 14.6 | 78 |
| 21 | Ring Opening of Cyclopropylidene and Internal Rotation of Allene. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16147-16154. | 2.9 | 77 |
| 22 | The Longest Acenes. <i>Chemical Record</i> , 2015, 15, 364-369. | 5.8 | 71 |
| 23 | Effects of Finite Carbon Nanotube Length on Sidewall Addition of Fluorine Atom and Methylene. <i>Organic Letters</i> , 2004, 6, 731-734. | 4.6 | 69 |
| 24 | Thermodynamics of yield in boron nitride nanotubes. <i>Physical Review B</i> , 2003, 68, . | 3.2 | 68 |
| 25 | Experimental and Computational Investigations of the Properties of Fluorinated Single-Walled Carbon Nanotubes. <i>ChemPhysChem</i> , 2003, 4, 1283-1289. | 2.1 | 66 |
| 26 | Reaction of Phenyl Radicals with Propyne. <i>Journal of the American Chemical Society</i> , 2002, 124, 2781-2789. | 13.7 | 65 |
| 27 | Synthesis and Structural Characterization of 9-Azido-9-Borfluorene: Monomer and Cyclootrimer of a Borole Azide. <i>Inorganic Chemistry</i> , 2010, 49, 4499-4506. | 4.0 | 65 |
| 28 | Phenylborylene: Direct Spectroscopic Characterization in Inert Gas Matrices. <i>Journal of the American Chemical Society</i> , 2006, 128, 2534-2535. | 13.7 | 63 |
| 29 | Reaction of the ethynyl radical, C ₂ H, with methylacetylene, CH ₃ CCH, under single collision conditions: Implications for astrochemistry. <i>Journal of Chemical Physics</i> , 2001, 114, 3476-3487. | 3.0 | 62 |
| 30 | Addition of Carbenes to the Sidewalls of Single-Walled Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2006, 12, 4372-4379. | 3.3 | 61 |
| 31 | Photoreactions of Phenylborylene with Dinitrogen and Carbon Monoxide. <i>Journal of the American Chemical Society</i> , 2017, 139, 15151-15159. | 13.7 | 61 |
| 32 | On-surface synthesis of heptacene and its interaction with a metal surface. <i>Nanoscale</i> , 2017, 9, 12461-12469. | 5.6 | 59 |
| 33 | Rearrangements on the C ₆ H ₆ Potential Energy Surface and the Topomerization of Benzene. <i>Journal of the American Chemical Society</i> , 1998, 120, 5741-5750. | 13.7 | 58 |
| 34 | Stable photoinduced charge separation in heptacene. <i>Chemical Communications</i> , 2007, , 5209. | 4.1 | 58 |
| 35 | Heptacene: Increased Persistence of a 4 <i>n</i> +2 π-Electron Polycyclic Aromatic Hydrocarbon by Oxidation to the 4 <i>n</i> +2 π-Electron Dication. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9818-9820. | 13.8 | 57 |
| 36 | Formation, Isolation, Spectroscopic Properties, and Calculated Properties of Some Isomers of C ₆₀ H ₃₆ . <i>Journal of the American Chemical Society</i> , 2001, 123, 8482-8495. | 13.7 | 54 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | DFT Modeling of Chemical Vapor Deposition of GaN from Organogallium Precursors. 1. Thermodynamics of Elimination Reactions. <i>Journal of Physical Chemistry A</i> , 2001, 105, 3240-3248. | 2.5 | 53 |
| 38 | A nitrogen-base catalyzed generation of organotin(R_3Sn) hydride from an organotin trihydride under reductive dihydrogen elimination. <i>Chemical Science</i> , 2015, 6, 4737-4751. | 7.4 | 53 |
| 39 | Donor Stabilized Borylnitrene: A Highly Reactive BN Analogue of Vinylidene. <i>Journal of the American Chemical Society</i> , 2006, 128, 11128-11134. | 13.7 | 50 |
| 40 | 1,2-Azaborine: The Boron-Nitrogen Derivative of <i>ortho</i> -Benzyne. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7819-7822. | 13.8 | 48 |
| 41 | B_3N_3 Borazine Substitution in Hexa-peri-Hexabenzocoronene: Computational Analysis and Scholl Reaction of Hexaphenylborazine. <i>ChemPhysChem</i> , 2012, 13, 1173-1181. | 2.1 | 47 |
| 42 | Dispersion-Driven Conformational Isomerism in π -Bonded Dimers of Larger Acenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10892-10895. | 13.8 | 47 |
| 43 | Borazine and Benzene Homo- and Heterodimers. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3353-3359. | 2.5 | 46 |
| 44 | Reversible Formation of Organyl(oxo)boranes (RBO) ($\text{R} = \text{C}_6\text{H}_5$ or C_6H_4). <i>Journal of Physical Chemistry A</i> , 2007, 26, 6263-6267. | 2.3 | 45 |
| 45 | Boron-nitrogen substituted perylene obtained through photocyclisation. <i>Chemical Communications</i> , 2014, 50, 7821-7823. | 4.1 | 45 |
| 46 | Tetradehydrobenzenes: Singlet-Triplet Energy Separations and Vibrational Frequencies. <i>Journal of the American Chemical Society</i> , 1999, 121, 2829-2835. | 13.7 | 44 |
| 47 | The reaction of benzene with a ground state carbon atom, $\text{C}(3\text{P})$. <i>Journal of Chemical Physics</i> , 2000, 113, 4250-4264. | 3.0 | 44 |
| 48 | Electronically Excited States of Higher Acenes up to Nonacene: A Density Functional Theory/Multireference Configuration Interaction Study. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 305-312. | 5.3 | 43 |
| 49 | DFT Modeling of Chemical Vapor Deposition of GaN from Organogallium Precursors. 2. Structures of the Oligomers and Thermodynamics of the Association Processes. <i>Journal of Physical Chemistry A</i> , 2001, 105, 3249-3258. | 2.5 | 42 |
| 50 | Reactions of chemically activated C_9H_9 species. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2019-2027. | 2.8 | 42 |
| 51 | Rearrangement from the heteroantiaromatic borole to the heteroaromatic azaborine motif. <i>Chemical Communications</i> , 2012, 48, 4564. | 4.1 | 42 |
| 52 | Synthesis and Characterization of a Boron-Nitrogen-Boron Zigzag-Edged Benzo[<i>fg</i>]tetracene Motif. <i>Organic Letters</i> , 2017, 19, 4428-4431. | 4.6 | 42 |
| 53 | Photoisomerization of 1,2-Dihydro-1,2-Azaborine: A Matrix Isolation Study. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10880-10883. | 13.8 | 41 |
| 54 | A combined crossed-beam, ab initio, and Rice-Ramsperger-Kassel Marcus investigation of the reaction of carbon atoms $\text{C}(3\text{P})$ with benzene, C_6H_6 ($X\text{A}1\text{g}$) and <i>d</i> ₆ -benzene, C_6D_6 ($X\text{A}1\text{g}$). <i>Journal of Chemical Physics</i> , 2002, 116, 3248-3262. | 3.0 | 39 |

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|----|--|------|-----------|
| 55 | Ring Opening of Substituted Cyclopropylidenes to Cyclic Allenes. <i>Journal of Organic Chemistry</i> , 1997, 62, 9267-9275. | 3.2 | 38 |
| 56 | Beyond Pentacenes: Synthesis and Properties of Higher Acenes. <i>Topics in Current Chemistry</i> , 2013, 349, 1-30. | 4.0 | 37 |
| 57 | Supramolecular structures and spontaneous resolution: the case of ortho-substituted phenylboronic acids. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1201. | 2.8 | 34 |
| 58 | The Dewar Isomer of 1,2-Dihydro-1,2-azaborinines: Isolation, Fragmentation, and Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5296-5300. | 13.8 | 34 |
| 59 | Insertion into dihydrogen employing the nitrogen centre of a borylnitrene. <i>Chemical Communications</i> , 2009, , 2186. | 4.1 | 33 |
| 60 | NF ₅ Viable or Not?. <i>Journal of the American Chemical Society</i> , 1998, 120, 11439-11448. | 13.7 | 31 |
| 61 | Ring, Chain, and Cluster Compounds in the Cl ⁺ Ga ⁺ N ⁻ H System. <i>Inorganic Chemistry</i> , 2002, 41, 738-747. | 4.0 | 31 |
| 62 | Reaction of Benzene and Boron Atom: Mechanism of Formation of Benzoborirene and Hydrogen Atom. <i>Journal of Physical Chemistry A</i> , 2004, 108, 4576-4586. | 2.5 | 31 |
| 63 | Aufbau eines intern B ₃ N ₃ -dotierten Nanographenmoleküls. <i>Angewandte Chemie</i> , 2015, 127, 8402-8404. | 2.0 | 31 |
| 64 | Tetraphenyldihydrocyclobutaarenes – what causes the extremely long 1.72 Å... C-C single bond?. <i>Chemical Communications</i> , 1998, , 769-770. | 4.1 | 30 |
| 65 | MOCVD of TiO ₂ thin films and studies on the nature of molecular mechanisms involved in the decomposition of [Ti(OPri) ₂ (tbaoc) ₂]. <i>Journal of Materials Chemistry</i> , 2004, 14, 3231-3238. | 6.7 | 30 |
| 66 | Nanoscale assembly, morphology and screening effects in nanorods of newly synthesized substituted pentacenes. <i>RSC Advances</i> , 2012, 2, 5112. | 3.6 | 30 |
| 67 | C-H Bond Amination by Photochemically Generated Transient Borylnitrenes at Room Temperature: A Combined Experimental and Theoretical Investigation of the Insertion Mechanism and Influence of Substituents. <i>Organometallics</i> , 2012, 31, 3894-3903. | 2.3 | 30 |
| 68 | Evolution of the Optical Gap in the Acene Series: Undecacene. <i>Angewandte Chemie</i> , 2018, 130, 10666-10669. | 2.0 | 30 |
| 69 | Accessing 1,2-Substituted Cyclobutanes through 1,2-Azaborine Photoisomerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18918-18922. | 13.8 | 30 |
| 70 | Anti-[2.2](1,4)pentacenophane: A Covalently Coupled Pentacene Dimer. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11647-11650. | 13.8 | 29 |
| 71 | Halogen-Metal Exchange in 1,2-Dibromobenzene and the Possible Intermediacy of 1,2-Dilithiobenzene. <i>Journal of Organic Chemistry</i> , 2007, 72, 9750-9752. | 3.2 | 28 |
| 72 | Polyacenes and diffuse interstellar bands. <i>Astronomy and Astrophysics</i> , 2019, 625, A41. | 5.1 | 28 |

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|----|--|------|-----------|
| 73 | A theoretical approach to the single-source precursor concept: quantum chemical modeling of gas-phase reactions. <i>Journal of Crystal Growth</i> , 2001, 222, 170-182. | 1.5 | 27 |
| 74 | Reactivity of Borylenes toward Ethyne, Ethene, and Methane. <i>Journal of the American Chemical Society</i> , 2012, 134, 17094-17103. | 13.7 | 27 |
| 75 | The Overcrowded Borazine Derivative of Hexabenzotriphenylene Obtained through Dehydrohalogenation. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4634-4639. | 2.4 | 27 |
| 76 | 1,2-Azaborine: The Boron-Nitrogen Derivative of <i>ortho</i> -Benzynes. <i>Angewandte Chemie</i> , 2015, 127, 7930-7933. | 2.0 | 27 |
| 77 | Structural Models of Fluorine-Graphite Intercalation Compounds from Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3016-3018. | 2.5 | 26 |
| 78 | Gas-Phase Detection of the Elusive Benzoborirene Molecule. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2350-2352. | 13.8 | 24 |
| 79 | Thermolysis of Fluorinated Single-Walled Carbon Nanotubes: Identification of Gaseous Decomposition Products by Matrix Isolation Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23218-23224. | 2.6 | 24 |
| 80 | Development of Metal Cyanurates: The Example of Barium Cyanurate (BCY). <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2536-2543. | 2.0 | 24 |
| 81 | Fingerprint of Fractional Charge Transfer at the Metal/Organic Interface. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12538-12544. | 3.1 | 24 |
| 82 | Bridging the Gap between Pentacene and Perfluoropentacene: Synthesis and Characterization of 2,3,9,10-Tetrafluoropentacene in the Neutral, Cationic, and Dicationic States. <i>Journal of Organic Chemistry</i> , 2018, 83, 3149-3158. | 3.2 | 24 |
| 83 | Structural isomerization of cyclopropane: a new mechanism through propylidene. <i>Chemical Communications</i> , 1999, , 1515-1516. | 4.1 | 23 |
| 84 | Dehydrophenylnitrenes: Quartet versus Doublet States. <i>Journal of the American Chemical Society</i> , 2003, 125, 9726-9733. | 13.7 | 23 |
| 85 | An inorganic propellane with central B-B bond. <i>Chemical Communications</i> , 2012, 48, 5886. | 4.1 | 23 |
| 86 | The Influence of Terminal Push-Pull Substitution on the Electronic Structure and Optical Properties of Pentacenes. <i>Chemistry - A European Journal</i> , 2012, 18, 1789-1799. | 3.3 | 23 |
| 87 | Dehydrophenylnitrenes: Matrix Isolation and Photochemical Rearrangements. <i>Journal of Organic Chemistry</i> , 2007, 72, 715-724. | 3.2 | 22 |
| 88 | Borylnitrenes: electrophilic reactive intermediates with high reactivity towards C-H bonds. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5477. | 2.8 | 22 |
| 89 | Thermal Generation of Pentacenes from Soluble 6,13-Dihydro-6,13-ethenopentacene Precursors by a Diels-Alder-retro-Diels-Alder Sequence with 3,6-Disubstituted Tetrazines. <i>Journal of Organic Chemistry</i> , 2012, 77, 3538-3542. | 3.2 | 22 |
| 90 | Is There B-N Bond Length Alternation in 1,2:3,4:5,6-Tris(biphenylene)borazines?. <i>ChemPlusChem</i> , 2013, 78, 988-994. | 2.8 | 22 |

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|-----|---|------|-----------|
| 91 | COMPUTATIONAL ANALYSES OF PROTOTYPE CARBENE STRUCTURES AND REACTIONS. , 1997, , 89-170. | | 19 |
| 92 | How Good is Fluorine as a Hydrogen-Bond Acceptor in Fluorinated Single-Walled Carbon Nanotubes?. ChemPhysChem, 2005, 6, 1169-1174. | 2.1 | 19 |
| 93 | IR Characterization of Tip-Functionalized Single-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 20955-20961. | 3.1 | 19 |
| 94 | Pathways for the cyclotetramerization of dibenz[c,e][1,2]azaborine, a BN-phenanthryne. Journal of Physical Organic Chemistry, 2015, 28, 97-103. | 1.9 | 19 |
| 95 | Mechanisms for the Formation of Acenes from $\hat{\pm}$ -Diketones by Bisdecarbonylation. Journal of Organic Chemistry, 2013, 78, 1851-1857. | 3.2 | 18 |
| 96 | The infrared vibrational spectra of the two major C ₈₄ isomers. Chemical Physics Letters, 2000, 332, 35-42. | 2.6 | 17 |
| 97 | Pathways for the thermally induced dehydrogenation of C ₆₀ H ₂ . Chemical Physics Letters, 2002, 360, 509-514. | 2.6 | 17 |
| 98 | BN-Analogues of Vinylidene Transition Metal Complexes: The Borylnitrene Isomer. Inorganic Chemistry, 2007, 46, 5188-5195. | 4.0 | 17 |
| 99 | Electronically Excited States of Borylenes. Journal of Physical Chemistry A, 2016, 120, 6332-6341. | 2.5 | 17 |
| 100 | [36](1,2,3,4,5,6)CyclophaneA Molecular Pinwheel and Its Correlated Inversion: NMR and Energetic Considerations. Journal of the American Chemical Society, 1998, 120, 1074-1075. | 13.7 | 16 |
| 101 | A reinvestigation of the gas phase reaction of boron atoms, $11\text{B}(2\text{P})/10\text{B}(2\text{P})$ with acetylene, $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{C} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mtext} \rangle$ | | |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Electronic Structure of Hexacene and Interface Properties on Au(110). <i>Journal of Physical Chemistry C</i> , 2018, 122, 19491-19498. | 3.1 | 15 |
| 110 | Visualization of the Borazine Core of B ₃ N ₃ -Doped Nanographene by STM. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19218-19225. | 8.0 | 15 |
| 111 | Germaborenes: Borylene Transfer Agents for the Synthesis of Iminoboranes. <i>Chemistry - A European Journal</i> , 2021, 27, 1981-1983. | 3.3 | 15 |
| 112 | Pentacene-based nanorods on Au(111) single crystals: Charge transfer, diffusion, and step-edge barriers. <i>Nano Research</i> , 2013, 6, 449-459. | 10.4 | 14 |
| 113 | C-H functionalization of tetramethylsilane employing a borylnitrene. <i>Chemical Communications</i> , 2013, 49, 11773. | 4.1 | 14 |
| 114 | Intercorrelation of Electronic, Structural, and Morphological Properties in Nanorods of 2,3,9,10-Tetrafluoropentacene. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19774-19780. | 8.0 | 14 |
| 115 | Synthesis and Photodimerization of 2- and 2,3-Disubstituted Anthracenes: Influence of Steric Interactions and London Dispersion on Diastereoselectivity. <i>Journal of Organic Chemistry</i> , 2019, 84, 10120-10135. | 3.2 | 14 |
| 116 | Hydrogen adsorption on inorganic benzenes decorated with alkali metal cations: theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5315-5324. | 2.8 | 14 |
| 117 | Unusual Low-Vibrational C=O Mode of COOH Can Distinguish between Carboxylated Zigzag and Armchair Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26072-26083. | 3.1 | 13 |
| 118 | Generation of iodobenzoborirene, a boraromatic cyclopropabenzene derivative. <i>Chemical Communications</i> , 2005, , 2756. | 4.1 | 11 |
| 119 | 6,6'-,11,11'-Tetra((triisopropylsilyl)ethynyl)-anti-[2.2](1,4)tetracenophane: a covalently coupled tetracene dimer and its structural, electrochemical, and photophysical characterization. <i>Organic Chemistry Frontiers</i> , 2017, 4, 853-860. | 4.5 | 11 |
| 120 | The Dewar Isomer of 1,2-Dihydro-1,2-diazaborinines: Isolation, Fragmentation, and Energy Storage. <i>Angewandte Chemie</i> , 2018, 130, 5394-5398. | 2.0 | 11 |
| 121 | Intermediate-size fullerenes as degradation products of interstellar polycyclic aromatic hydrocarbons. <i>Astronomy and Astrophysics</i> , 2021, 650, A193. | 5.1 | 11 |
| 122 | The Anions [B ₂₄ H ₂₃] ³⁻ and [B ₃₆ H ₃₄] ⁴⁻ from the Thermal Protolysis of [B ₁₂ H ₁₂] ²⁻ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 846-850. | 1.2 | 10 |
| 123 | Demonstrating the Impact of the Adsorbate Orientation on the Charge Transfer at Organic-Metal Interfaces. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9129-9137. | 3.1 | 10 |
| 124 | Resolving intramolecular-distortion changes induced by the partial fluorination of pentacene adsorbed on Cu(111). <i>Physical Review Materials</i> , 2018, 2, . | 2.4 | 10 |
| 125 | The thermodynamic stabilities of tricyclic tetraene C ₁₂ H ₁₂ hydrocarbons. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 2377-2381. | 0.9 | 9 |
| 126 | Aza[10]annulene: A Next Higher Aromatic Analogue of Pyridine. <i>Journal of Organic Chemistry</i> , 1999, 64, 3278-3280. | 3.2 | 9 |

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|-----|--|------|-----------|
| 127 | Ring opening of 2-aza-3-borabicyclo[2.2.0]hex-5-ene, the Dewar form of 1,2-dihydro-1,2-azaborine: stepwise versus concerted mechanisms. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 761-766. | 2.2 | 9 |
| 128 | Ring Enlargement of Three-Membered Boron Heterocycles upon Reaction with Organic π Systems: Implications for the Trapping of Borylenes. <i>Chemistry - A European Journal</i> , 2016, 22, 10661-10670. | 3.3 | 9 |
| 129 | Energy Level Engineering in Organic Thin Films by Tailored Halogenation. <i>Advanced Functional Materials</i> , 2020, 30, 2002987. | 14.9 | 9 |
| 130 | Embedding a boroxazine ring into a nanographene scaffold by a concise bottom-up synthetic strategy. <i>Chemical Communications</i> , 2020, 56, 3847-3850. | 4.1 | 9 |
| 131 | Permanent Dipole Moments Enhance Electronic Coupling and Singlet Fission in Pentacene. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7453-7458. | 4.6 | 9 |
| 132 | The Shapiro reaction of barrelene derivatives: the influence of annelation on acene formation. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3000. | 2.8 | 8 |
| 133 | Isomerization and fragmentation pathways of 1,2-azaborine. <i>Journal of Computational Chemistry</i> , 2016, 37, 110-116. | 3.3 | 8 |
| 134 | (Electro)chemical Oxidation of 6,13-Bis[tri(isopropyl)silylethynyl]pentacene to its Radical Cation and Dication. <i>ChemPhysChem</i> , 2017, 18, 2266-2278. | 2.1 | 8 |
| 135 | BN Doping and the Photochemistry of Polyaromatic Hydrocarbons: Photocyclization of Hexaphenyl Benzene and Hexaphenyl Borazine. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8359-8367. | 2.5 | 8 |
| 136 | Synthesis and Ring Strain of a Benzoborirene-Heterocyclic Carbene Adduct. <i>Chemistry - A European Journal</i> , 2018, 24, 18634-18637. | 3.3 | 8 |
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