

Crocker, Not Armit and Robinson, Begat the Six Aromat

Chemical Reviews

105, 3436-3447

DOI: 10.1021/cr0300946

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Partitioning of π -Electrons in Rings for Clar Structures of Benzenoid Hydrocarbons. <i>Journal of Chemical Information and Modeling</i> , 2006, 46, 57-64. | 2.5 | 43 |
| 2 | On the Aromaticity of the Planar Hydrogen-Bonded (HF) ₃ Trimer. <i>Journal of Chemical Theory and Computation</i> , 2006, 2, 761-764. | 2.3 | 26 |
| 3 | Strain-Free Sextet-Resonant Benzenoids and Their Antisextet Dualists. <i>Journal of Chemical Information and Modeling</i> , 2006, 46, 1563-1579. | 2.5 | 30 |
| 4 | Crocker, Not Armit and Robinson, Begat the Six Aromatic Electrons. <i>ChemInform</i> , 2006, 37, no. | 0.1 | 0 |
| 5 | TESTING THE Y-RULE IN CLAR THEORY. <i>Polycyclic Aromatic Compounds</i> , 2007, 27, 425-436. | 1.4 | 3 |
| 6 | Long-Distance Structural Consequences of H-Bonding. How H-Bonding Affects Aromaticity of the Ring in Various Substituted Aniline/Anilinium/Anilide Complexes with Bases and Acids. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 875-886. | 2.5 | 30 |
| 7 | Restricted Geometry Optimization: A Different Way To Estimate Stabilization Energies for Aromatic Molecules of Various Types. <i>Journal of Physical Chemistry A</i> , 2007, 111, 5304-5313. | 1.1 | 10 |
| 8 | On the Cycle-Dependence of Topological Resonance Energy. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 776-781. | 2.5 | 34 |
| 9 | NOTE ON THE Y-RULE IN CLAR THEORY. <i>Polycyclic Aromatic Compounds</i> , 2007, 27, 41-49. | 1.4 | 24 |
| 10 | Neural Networks as a Tool To Classify Compounds According to Aromaticity Criteria. <i>Chemistry - A European Journal</i> , 2007, 13, 3913-3923. | 1.7 | 29 |
| 11 | Theoretical and experimental IR, Raman and NMR spectra in studying the electronic structure of 2-nitrobenzoates. <i>Journal of Molecular Structure</i> , 2007, 834-836, 389-398. | 1.8 | 4 |
| 12 | Molecular structure of alkali metal 4-nitrobenzoates. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 93-108. | 0.9 | 10 |
| 13 | A Quantitative Scale for the Degree of Aromaticity and Antiaromaticity: A Comparison of Theoretical and Experimental Enthalpies of Hydrogenation. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1123-1132. | 1.1 | 53 |
| 14 | Ring signatures for benzenoids with up to seven rings, Part 2: Pericondensed systems. <i>International Journal of Quantum Chemistry</i> , 2008, 108, 898-926. | 1.0 | 12 |
| 15 | Comparison of molecular structure of alkali metal o-, m- and p-nitrobenzoates. <i>Journal of Molecular Structure</i> , 2008, 887, 209-215. | 1.8 | 2 |
| 16 | Photochemical Reactions as Key Steps in Organic Synthesis. <i>Chemical Reviews</i> , 2008, 108, 1052-1103. | 23.0 | 1,176 |
| 17 | Correlations between various ways of accounting for the distribution of π -electrons in benzenoids. <i>New Journal of Chemistry</i> , 2008, 32, 1071. | 1.4 | 10 |
| 18 | On the Spectacular Structural Isomorphism between $C_{2n}H_{2n+2}$ Monoradical and $C_{2n}H_{2n+3}$ Diradical Benzenoid Hydrocarbons: From Reactive Intermediates to Vacancy (Hole) Defects in Graphite. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3260-3274. | 1.1 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | π-Electron Partitions, Signatures, and Clar Structures of Selected Benzenoid Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4148-4157. | 1.1 | 13 |
| 21 | On π-electron conjugation in the five-membered ring of fluoranthene-type benzenoid hydrocarbons. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 765-771. | 0.4 | 18 |
| 22 | N-Heteroacenes. <i>Chemistry - A European Journal</i> , 2009, 15, 6780-6789. | 1.7 | 239 |
| 23 | A universal scale of aromaticity for organic compounds. <i>Journal of Computational Chemistry</i> , 2010, 31, 917-928. | 1.5 | 38 |
| 24 | Solvent impact on the aromaticity of benzene analogues: implicit versus explicit solvent approach. <i>Journal of Molecular Modeling</i> , 2009, 15, 731-738. | 0.8 | 6 |
| 25 | Computational study of TNT synthesis in solvated nitration reaction systems. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 1009-1023. | 1.0 | 6 |
| 26 | Quantitative study of the PCP effect. <i>Chemical Physics Letters</i> , 2009, 475, 289-292. | 1.2 | 18 |
| 27 | Chemical Substructure Search in SQL. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 22-27. | 2.5 | 36 |
| 28 | How Aromaticity Affects the Chemical and Physicochemical Properties of Heterocycles: A Computational Approach. <i>Topics in Heterocyclic Chemistry</i> , 2009, , 155-202. | 0.2 | 16 |
| 29 | Aromaticity of Six-Membered Rings with One Heteroatom. <i>Topics in Heterocyclic Chemistry</i> , 2009, , 204-246. | 0.2 | 12 |
| 30 | Claromatic Carbon Nanostructures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19123-19133. | 1.5 | 69 |
| 31 | CYCLIC CONJUGATION IN FLUORANTHENE AND ITS BENZO-DERIVATIVES. PART 1. CATACONDENSED SYSTEMS. <i>Polycyclic Aromatic Compounds</i> , 2009, 29, 90-102. | 1.4 | 24 |
| 33 | A REGULARITY FOR CYCLIC CONJUGATION IN ACENAPHYHYLENE, FLUORANTHENE AND THEIR CONGENERS. <i>Polycyclic Aromatic Compounds</i> , 2009, 29, 3-11. | 1.4 | 29 |
| 34 | Pairwise energy effect of cyclic conjugation in benzo-annelated perylenes. <i>Monatshefte für Chemie</i> , 2010, 141, 401-407. | 0.9 | 14 |
| 35 | Theoretical and experimental study of alkali metal o-amino-, o-halogeno-, o-hydroxy-, o-methoxy- and o-nitrobenzoates. <i>Journal of Molecular Structure</i> , 2010, 984, 194-203. | 1.8 | 2 |
| 36 | How to Find the Fries Structures for Benzenoid Hydrocarbons. <i>Symmetry</i> , 2010, 2, 1390-1400. | 1.1 | 18 |
| 37 | Compactness Aromaticity of Atoms in Molecules. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1269-1310. | 1.8 | 23 |
| 38 | Monocyclic Hetarenes with π-Electron Aromatic Sextet. <i>Advances in Heterocyclic Chemistry</i> , 2010, 99, 61-105. | 0.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 39 | Correlations between Local Aromaticity Indices of Bipartite Conjugated Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5870-5877. | 1.1 | 26 |
| 40 | Oxidation kinetics of polycyclic aromatic hydrocarbons by permanganate. <i>Chemosphere</i> , 2010, 79, 628-636. | 4.2 | 58 |
| 41 | A Tricyclic Aromatic Isomer of Hexasilabenzene. <i>Science</i> , 2010, 327, 564-566. | 6.0 | 242 |
| 42 | Substituent effects on the aromaticity of carbocyclic five-membered rings. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1305-1317. | 1.3 | 29 |
| 43 | Ring Currents in Polycyclic Sodium Clusters. <i>Journal of Physical Chemistry A</i> , 2011, 115, 12493-12502. | 1.1 | 18 |
| 45 | Carbon Bonding and Structures. <i>Carbon Materials</i> , 2011, , . | 0.2 | 15 |
| 46 | The Literature of Heterocyclic Chemistry, Part X, 2005â€“2007. <i>Advances in Heterocyclic Chemistry</i> , 2011, , 1-137. | 0.9 | 19 |
| 47 | Structural Approach to Aromaticity and Local Aromaticity in Conjugated Polycyclic Systems. <i>Carbon Materials</i> , 2011, , 159-204. | 0.2 | 5 |
| 48 | Using Clar sextets for two- and three-dimensional aromatic systems. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20649. | 1.3 | 25 |
| 50 | Pleasure Molecules. , 2011, , 140-167. | | 0 |
| 51 | Man-Made Healers. , 2011, , 190-213. | | 0 |
| 52 | Ï€-Electron currents in fixed Ï€-sextet aromatic benzenoids. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 2755-2774. | 0.7 | 10 |
| 53 | Local aromaticity of the five-membered rings in acenaphthylene derivatives. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14067. | 1.3 | 30 |
| 54 | A theoretical NMR study of the structure of benzyne and some of their carbocyclic and heterocyclic analogs. <i>Tetrahedron</i> , 2012, 68, 6548-6556. | 1.0 | 28 |
| 55 | Electron Density Dynamics in the Electronic Ground State: Motion Along the KekulÃ© Mode of Benzene. <i>Journal of Physical Chemistry A</i> , 2012, 116, 11355-11360. | 1.1 | 5 |
| 57 | Aromatic-aromatic interactions in structures of proteins and protein-DNA complexes: a study based on orientation and distance. <i>Bioinformatics</i> , 2012, 8, 1220-1224. | 0.2 | 75 |
| 58 | Experimental and theoretical study of molecular structure of beryllium, magnesium, calcium, strontium and barium 4-nitrobenzoates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 456-466. | 2.0 | 3 |
| 59 | Novel insight into Clarâ€™s aromatic Ï€-sextets. <i>Chemical Physics Letters</i> , 2014, 601, 1-5. | 1.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 60 | Theoretical study of the effect of resonance on π - π stacked firefly oxyluciferin dimers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 278, 9-13. | 2.0 | 1 |
| 61 | Dismutational and Global Minimum Isomers of Heavier 1,4-Dimetallatetrasilabenzenes of Group...14. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3514-3518. | 7.2 | 49 |
| 62 | Aromaticity from the Viewpoint of Molecular Geometry: Application to Planar Systems. <i>Chemical Reviews</i> , 2014, 114, 6383-6422. | 23.0 | 439 |
| 63 | Electron delocalization index based on bond order orbitals. <i>Chemical Physics Letters</i> , 2014, 593, 154-159. | 1.2 | 37 |
| 64 | Quantum delocalization of benzene in the ring puckering coordinates. <i>International Journal of Quantum Chemistry</i> , 2014, 114, 534-542. | 1.0 | 1 |
| 66 | Reciprocal Hydrogen Bonding-Aromaticity Relationships. <i>Journal of the American Chemical Society</i> , 2014, 136, 13526-13529. | 6.6 | 50 |
| 68 | The Triboracyclopropenyl Dianion: The Lightest Possible Main-Group Element $H_{1/4}$ ckel π -Aromatic. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15084-15088. | 7.2 | 58 |
| 70 | Rethinking Aromaticity in H-Bonded Systems. Caveats for Transition Structures Involving Hydrogen Transfer and π -Delocalization. <i>Journal of Physical Chemistry A</i> , 2015, 119, 525-534. | 1.1 | 9 |
| 71 | Quantum chemical computations, vibrational spectroscopic analysis and antimicrobial studies of 2,3-Pyrazinedicarboxylic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 723-735. | 2.0 | 23 |
| 72 | Effect of β -ray irradiation on the structure and electrochemical liquefaction of Shenhua coal. <i>Fuel</i> , 2015, 143, 236-243. | 3.4 | 14 |
| 73 | Carbon-based specific adjacency-in-bonding (SAIB) isomerism driving aromaticity. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 733-748. | 1.0 | 1 |
| 74 | Establishing the pivotal role of local aromaticity in the electronic properties of boron-nitride graphene lateral hybrids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25315-25328. | 1.3 | 19 |
| 75 | Calculating the Aromaticity of Heterocycles. <i>Advances in Heterocyclic Chemistry</i> , 2016, , 301-327. | 0.9 | 16 |
| 76 | Aromaticity in Pericyclic Transition State Structures? A Critical Rationalisation Based on the Topological Analysis of Electron Density. <i>ChemistrySelect</i> , 2016, 1, 6026-6039. | 0.7 | 18 |
| 77 | New insights into aromatic pathways of carbachlorins and carbaporphyrins based on calculations of magnetically induced current densities. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11932-11941. | 1.3 | 28 |
| 78 | Spherical aromaticity in C-, Si-, and Ge-containing compounds. <i>Computational and Theoretical Chemistry</i> , 2017, 1102, 5-14. | 1.1 | 2 |
| 79 | On exo-cyclic aromaticity. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11744-11747. | 1.3 | 6 |
| 80 | Electronic structure, stability, and aromaticity of H_2B_2XH (X = N, P) molecules: A theoretical study. <i>Computational and Theoretical Chemistry</i> , 2017, 1113, 120-125. | 1.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 81 | Calculations of current densities and aromatic pathways in cyclic porphyrin and isoporphyrin arrays. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12794-12803. | 1.3 | 18 |
| 82 | Exploring the Linear Optical Properties of Borazine (B ₃ N ₃) Doped Graphenes. OD Flakes vs 2D Sheets. <i>Journal of Physical Chemistry C</i> , 2017, 121, 709-722. | 1.5 | 24 |
| 83 | Als Ester noch Ether waren. <i>Nachrichten Aus Der Chemie</i> , 2017, 65, 1028-1029. | 0.0 | 0 |
| 84 | Relation Between Ring Currents and Hydrogenation Enthalpies for Assessing the Degree of Aromaticity. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7282-7289. | 1.1 | 37 |
| 85 | The influence of heteroatoms on the aromatic character and the current pathways of B ₂ N ₂ -dibenzo[a,e]pentalenes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20213-20223. | 1.3 | 15 |
| 86 | Silaaromatics and Related Compounds. , 2017, , 619-641. | | 3 |
| 87 | From "multiple simultaneous independent discoveries" to the theory of "multiple simultaneous independent errors" a conduit in science. <i>Foundations of Chemistry</i> , 2018, 20, 219-249. | 0.4 | 7 |
| 88 | Zwitterionic Inorganic Benzene Valence Isomer with π -Bonding between Two π -Orbitals. <i>Journal of the American Chemical Society</i> , 2018, 140, 11921-11925. | 6.6 | 14 |
| 89 | Aromaticity Revisited. <i>Advances in Quantum Chemistry</i> , 2018, 77, 167-199. | 0.4 | 3 |
| 90 | Local aromaticity and aromatic sextet theory beyond Clar. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25657. | 1.0 | 22 |
| 91 | Identification of Lead Molecules in <i>Garcinia mangostana</i> L. Against Pancreatic Cholesterol Esterase Activity: An In Silico Approach. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2019, 11, 170-179. | 2.2 | 9 |
| 92 | Database of Nuclear Independent Chemical Shifts (NICS) versus NICS _{ZZ} of Polycyclic Aromatic Hydrocarbons (PAHs). <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 611-620. | 2.5 | 18 |
| 93 | A Neutral Three-Membered 2 π Aromatic Disilaborirane and the Unique Conversion into a Four-Membered BSi ₂ N-Ring. <i>Angewandte Chemie</i> , 2020, 132, 23215-23219. | 1.6 | 4 |
| 94 | A Neutral Three-Membered 2 π Aromatic Disilaborirane and the Unique Conversion into a Four-Membered BSi ₂ N-Ring. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23015-23019. | 7.2 | 23 |
| 95 | Trishomoaromatic (B ₃ N ₃ Ph ₆) Dianion: Characterization and Two-Electron Reduction. <i>Angewandte Chemie</i> , 2020, 132, 8953-8957. | 1.6 | 4 |
| 96 | Trishomoaromatic (B ₃ N ₃ Ph ₆) Dianion: Characterization and Two-Electron Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8868-8872. | 7.2 | 10 |
| 97 | Interplay of Aromaticity and Antiaromaticity in N-Doped Nanographenes. <i>Journal of Physical Chemistry A</i> , 2020, 124, 695-703. | 1.1 | 17 |
| 98 | Magnetically induced ring currents in naphthalene-fused heteroporphyrinoids. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16629-16634. | 1.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 99 | Molecular geometry as a source of electronic structure of π -electron systems and their physicochemical properties. , 2021, , 71-99. | | 2 |
| 100 | Aromatic nature of neutral and dianionic 1,4-diaza-2,3,5,6-tetraborinine derivatives. RSC Advances, 2021, 11, 592-598. | 1.7 | 2 |
| 101 | Current density, current-density pathways, and molecular aromaticity. , 2021, , 155-194. | | 4 |
| 102 | Effects of Multiple OH/SH Substitution on the H π -Bonding/Stability versus Aromaticity of Benzene Rings: From Computational Insights. ChemistrySelect, 2021, 6, 5120-5139. | 0.7 | 6 |
| 103 | Magnetic Aromaticity of Cycloporphyrin Nanorings. Chemistry, 2021, 3, 991-1004. | 0.9 | 7 |
| 104 | The Relationship of William Henry Perkin, Jr. and Sir Robert Robinson: Teacher and Student, then Student and Teacher. Chemistry - A European Journal, 2021, 27, 1576-1591. | 1.7 | 8 |
| 105 | How Aromaticity Affects the Chemical and Physicochemical Properties of Heterocycles: A Computational Approach. Topics in Heterocyclic Chemistry, 2008, , 155. | 0.2 | 1 |
| 106 | Cyclic conjugation in benzo-annelated coronenes. Macedonian Journal of Chemistry and Chemical Engineering, 2013, 29, 63. | 0.2 | 3 |
| 107 | Clarology for Conjugated Carbon Nano-Structures: Molecules, Polymers, Graphene, Defected Graphene, Fractal Benzenoids, Fullerenes, Nano- Tubes, Nano-Cones, Nano-Tori, etc.. Open Organic Chemistry Journal, 2011, 5, 27-61. | 0.9 | 26 |
| 108 | Cyclic conjugation in benzo-annelated triphenylenes. Journal of the Serbian Chemical Society, 2010, 75, 943-950. | 0.4 | 4 |
| 109 | Graph-Theoretical Indices based on Simple, General and Complete Graphs. International Journal of Chemoinformatics and Chemical Engineering, 2011, 1, 12-28. | 0.1 | 0 |
| 110 | Graph-Theoretical Indices based on Simple, General and Complete Graphs. , 0, , 11-26. | | 0 |
| 111 | Aromaticity of Six-Membered Rings with One Heteroatom. Topics in Heterocyclic Chemistry, 2008, , . | 0.2 | 0 |
| 112 | Uncovering Clar's aromatic π -sextet rule in the Hubbard model using Maximum Probability Domain Partitions. Journal of Computational Chemistry, 2022, 43, 457-464. | 1.5 | 3 |
| 114 | Understanding chemistry: from π -heuristic (soft) explanations and reasoning by analogy to π -quantum chemistry. Chemical Science, 2022, 13, 11461-11486. | 3.7 | 9 |
| 115 | We Need to Talk about Kekulé: The 150 th Anniversary of the Benzene Structure. European Journal of Organic Chemistry, 2022, 2022, . | 1.2 | 3 |
| 117 | Effect of a Substituent on the Properties of Salicylaldehyde Hydrazone Derivatives. Journal of Organic Chemistry, 2023, 88, 2132-2139. | 1.7 | 2 |
| 118 | Kekulé's Oscillating D_{3h} Cyclohexatriene Structure of Benzene. European Journal of Organic Chemistry, 2023, 26, . | 1.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 120 | On the antiaromatic-aromatic-antiaromatic transition of the stacked cyclobutadiene dimer. Physical Chemistry Chemical Physics, 0, , . | 1.3 | 0 |