

Slavko Radenkovic

List of Publications by Year in descending order

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77
papers

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78
docs citations

78
times ranked

710
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Comparative Study of Aromaticity in Tetraoxa[8]circulenes. <i>Journal of Physical Chemistry A</i> , 2012, 116, 9421-9430. | 1.1 | 46 |
| 2 | Total π -electron energy and Laplacian energy: How far the analogy goes?. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 1343-1350. | 0.4 | 39 |
| 3 | Aromaticity of Nonplanar Fully Benzenoid Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3616-3626. | 1.1 | 32 |
| 4 | How Does Aromaticity Rule the Thermodynamic Stability of Hydroporphyrins?. <i>Chemistry - A European Journal</i> , 2011, 17, 3274-3286. | 1.7 | 31 |
| 5 | Local aromaticity of the five-membered rings in acenaphthylene derivatives. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14067. | 1.3 | 30 |
| 6 | Correlations between Local Aromaticity Indices of Bipartite Conjugated Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5870-5877. | 1.1 | 26 |
| 7 | Effect of Benzo-Annellation on Local Aromaticity in Heterocyclic Conjugated Compounds. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11591-11601. | 1.1 | 23 |
| 8 | Importance of hydrogen bonding and aromaticity indices in QSAR modeling of the antioxidative capacity of selected (poly)phenolic antioxidants. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 72, 240-245. | 1.3 | 23 |
| 9 | Mononuclear gold(III) complexes with phenanthroline ligands as efficient inhibitors of angiogenesis: A comparative study with auranofin and sunitinib. <i>Journal of Inorganic Biochemistry</i> , 2017, 174, 156-168. | 1.5 | 22 |
| 10 | Effect of non-bonding molecular orbitals on total π -electron energy. <i>Chemical Physics Letters</i> , 2004, 383, 171-175. | 1.2 | 18 |
| 11 | Relating Estrada index with spectral radius. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 1321-1327. | 0.4 | 18 |
| 12 | Quantitative study of the PCP effect. <i>Chemical Physics Letters</i> , 2009, 475, 289-292. | 1.2 | 18 |
| 13 | Ring Currents in Polycyclic Sodium Clusters. <i>Journal of Physical Chemistry A</i> , 2011, 115, 12493-12502. | 1.1 | 18 |
| 14 | Dependence of Total π -Electron Energy on the Number of Non-Bonding Molecular Orbitals. <i>Monatshefte für Chemie</i> , 2004, 135, 765-772. | 0.9 | 17 |
| 15 | Extending and modifying the Hall rule. <i>Chemical Physics Letters</i> , 2006, 423, 382-385. | 1.2 | 17 |
| 16 | The nature of bonding in metal-metal singly bonded coinage metal dimers: Cu ₂ , Ag ₂ and Au ₂ . <i>Computational and Theoretical Chemistry</i> , 2017, 1116, 195-201. | 1.1 | 17 |
| 17 | The nature of the Au π -N bond in gold(III) complexes with aromatic nitrogen-containing heterocycles: the influence of Au(III) ions on the ligand aromaticity. <i>New Journal of Chemistry</i> , 2017, 41, 12407-12415. | 1.4 | 17 |
| 18 | Relating Total π -Electron Energy and Resonance Energy of Benzenoid Molecules with Kekulé- and Clar-Structure-Based Parameters. <i>Monatshefte für Chemie</i> , 2006, 137, 1127-1138. | 0.9 | 16 |

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|----|--|-----|-----------|
| 19 | Monte Carlo approach to Estrada index. <i>Chemical Physics Letters</i> , 2007, 446, 233-236. | 1.2 | 16 |
| 20 | Synthesis, structural characterization and biological evaluation of dinuclear gold(III) complexes with aromatic nitrogen-containing ligands: antimicrobial activity in relation to the complex nuclearity. <i>MedChemComm</i> , 2016, 7, 1356-1366. | 3.5 | 16 |
| 21 | Relating nucleus independent chemical shifts with integrated current density strengths. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11240-11250. | 1.3 | 16 |
| 22 | Relating resonance energy with the Zhang-Zhang polynomial. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 665-671. | 0.4 | 15 |
| 23 | Bicyclic molecular graphs with the greatest energy. <i>Journal of the Serbian Chemical Society</i> , 2008, 73, 431-433. | 0.4 | 15 |
| 24 | Testing the PCP-rule. <i>Monatshefte für Chemie</i> , 2009, 140, 1305-1309. | 0.9 | 15 |
| 25 | Ring Currents in Benzo- and Benzocyclobutadieno-Annulated Biphenylene Derivatives. <i>ChemPhysChem</i> , 2015, 16, 216-222. | 1.0 | 15 |
| 26 | Pairwise energy effect of cyclic conjugation in benzo-annulated perylenes. <i>Monatshefte für Chemie</i> , 2010, 141, 401-407. | 0.9 | 14 |
| 27 | Dependence of the total π -electron energy on large number of non-bonding molecular orbitals. <i>Journal of the Serbian Chemical Society</i> , 2004, 69, 777-782. | 0.4 | 14 |
| 28 | Aromaticity of Closed-Shell Charged Polybenzenoid Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4679-4687. | 1.1 | 13 |
| 29 | Local Aromaticity in Naphtho-Annulated Fluoranthenes: Can the Five-Membered Rings Be More Aromatic Than the Six-Membered Rings?. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4972-4982. | 1.1 | 13 |
| 30 | Magnetically induced current density in triple-layered beryllium-boron clusters. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7105-7114. | 1.3 | 13 |
| 31 | On induced current density in the perylene/bisanthrene homologous series. <i>Chemical Physics Letters</i> , 2012, 552, 151-155. | 1.2 | 12 |
| 32 | Assessing the Extent of π -Electron Delocalization in Naphtho-Annulated Fluoranthenes by Means of Topological Ring-Currents. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1445-1450. | 1.1 | 12 |
| 33 | Heterotrimetallic compounds containing $\text{Mo}^{\text{II}}\text{M}^{\text{I}}\text{Li}$ [M = K, Rb and Cs] clusters: synthesis, structure, bonding, aromaticity and theoretical investigations of Li_2M_2 [M = K and Rb] and Cs_4 rings. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15579. | 1.3 | 11 |
| 34 | Na...B Bond in NaBH_3^+ : Solving the Conundrum. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12723-12726. | 7.2 | 11 |
| 35 | The Hall rule in fluoranthene-type benzenoid hydrocarbons. <i>Journal of the Serbian Chemical Society</i> , 2008, 73, 989-995. | 0.4 | 10 |
| 36 | DFT study on singlet diradical character of zethrenes. <i>Russian Journal of Physical Chemistry A</i> , 2011, 85, 2368-2372. | 0.1 | 10 |

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|----|--|-----|-----------|
| 37 | Anomalous cyclic conjugation in the perylene/bisanthrene homologous series. Monatshefte für Chemie, 2012, 143, 1649-1653. | 0.9 | 10 |
| 38 | Estrada Index of Benzenoid Hydrocarbons. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 254-258. | 0.7 | 9 |
| 39 | The diradical character of polyacenequinodimethides. Monatshefte für Chemie, 2011, 142, 1013-1019. | 0.9 | 9 |
| 40 | A test of Clar aromatic sextet theory. Journal of the Serbian Chemical Society, 2013, 78, 1539-1546. | 0.4 | 8 |
| 41 | π-electron content of rings in polycyclic conjugated compounds – A valence bond based measure of local aromaticity. Computational and Theoretical Chemistry, 2017, 1116, 163-173. | 1.1 | 8 |
| 42 | Electronic structure study of the triplet azulene-like molecules. Chemical Physics Letters, 2012, 545, 132-137. | 1.2 | 7 |
| 43 | On the Nature of the Bonding in Coinage Metal Halides. Molecules, 2022, 27, 490. | 1.7 | 7 |
| 44 | Electronic Structure Study of Thermal Intraconversions of Some Dicyclopenta-Fused Polycyclic Aromatic Compounds. Journal of Chemical Information and Modeling, 2008, 48, 1984-1989. | 2.5 | 6 |
| 45 | Electronic structure study of the biradical pleiadene-like molecules. Monatshefte für Chemie, 2014, 145, 281-290. | 0.9 | 6 |
| 46 | Three-dimensional networks containing rectangular Sr ₄ and Ba ₄ units: Synthesis, structure, bonding, and potential application for Ne gas separation. International Journal of Quantum Chemistry, 2015, 115, 1501-1510. | 1.0 | 6 |
| 47 | Magnetically Induced Current Density in Nonplanar Fully Benzenoid Hydrocarbons. Journal of Physical Chemistry A, 2020, 124, 371-378. | 1.1 | 5 |
| 48 | Electronic structure, stability, and aromaticity of M ₂ B ₆ (M = Mg, Ca, Sr, and Ba). Physical Chemistry Letters, 2022, 24, 5833-5841. | 1.3 | 5 |
| 49 | A case of breakdown of the Pauling bond order concept. Chemical Physics Letters, 2014, 614, 104-109. | 1.2 | 4 |
| 50 | Strain in strain-free benzenoid hydrocarbons: The case of phenanthrene. Chemical Physics Letters, 2015, 625, 69-72. | 1.2 | 4 |
| 51 | Total π-electron and HOMO energy. Chemical Physics Letters, 2016, 649, 148-150. | 1.2 | 4 |
| 52 | Paradise Lost – π-Electron Conjugation in Homologs and Derivatives of Perylene. Challenges and Advances in Computational Chemistry and Physics, 2016, , 297-320. | 0.6 | 4 |
| 53 | Singlet and triplet states of the sandwich-type Be ₂ B ₆ and Be ₂ B ₇ ⁺ clusters. A test for the electron counting rules of aromaticity. New Journal of Chemistry, 2020, 44, 19780-19788. | 1.4 | 4 |
| 54 | Cyclic conjugation in benzo-annulated triphenylenes. Journal of the Serbian Chemical Society, 2010, 75, 943-950. | 0.4 | 4 |

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|----|--|-----|-----------|
| 55 | Effect of a ring on the cyclic conjugation in another ring: Applications to acenaphthylene-type polycyclic conjugated molecules. <i>Journal of the Serbian Chemical Society</i> , 2010, 75, 83-90. | 0.4 | 4 |
| 56 | 25 years of NICS - much more than nothing!. <i>Journal of the Serbian Chemical Society</i> , 2022, 87, 1439-1446. | 0.4 | 4 |
| 57 | A DIFFERENCE BETWEEN THE π -ELECTRON PROPERTIES OF CATAFUSENES AND PERIFUSENES. <i>Polycyclic Aromatic Compounds</i> , 2006, 26, 197-206. | 1.4 | 3 |
| 58 | Stability order of isomeric benzenoid hydrocarbons and Kekulé structure count. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 155-158. | 0.4 | 3 |
| 59 | Formation and isomerization of dicyclopenta[de,mn]anthracene. <i>Electronic Structure Study. Journal of Molecular Modeling</i> , 2009, 15, 953-958. | 0.8 | 3 |
| 60 | Thermal isomerization in cyclopenta[fg]aceanthrylene. <i>Monatshefte für Chemie</i> , 2009, 140, 153-156. | 0.9 | 3 |
| 61 | Extending the McClelland formula for total π -electron energy. <i>Journal of Mathematical Chemistry</i> , 2017, 55, 1934-1940. | 0.7 | 3 |
| 62 | Heteroatom effects on aromaticity of five-membered rings in acenaphthylene analogs. <i>Journal of Molecular Modeling</i> , 2020, 26, 275. | 0.8 | 3 |
| 63 | Dependence of Dewar resonance energy of benzenoid molecules on Kekulé structure count. <i>Journal of the Serbian Chemical Society</i> , 2006, 71, 1039-1047. | 0.4 | 3 |
| 64 | Aromaticity of Singlet and Triplet Boron Disk-like Clusters: A Test for Electron Counting Aromaticity Rules. <i>Inorganic Chemistry</i> , 2022, 61, 10116-10125. | 1.9 | 3 |
| 65 | Effect of a Ring onto Values of Eigenvalue-Based Molecular Descriptors. <i>Symmetry</i> , 2021, 13, 1515. | 1.1 | 2 |
| 66 | A theoretical mechanistic study of [K π][2.2.2] π -enantiomerization. <i>Journal of Physical Organic Chemistry</i> , 2022, 35, e4289. | 0.9 | 2 |
| 67 | A method for analyzing the cyclic electron delocalization interaction between different rings in polycyclic molecules. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26597. | 1.0 | 2 |
| 68 | The generalized Zhang's Zhang polynomial of benzenoid systems theory and applications. <i>Applied Mathematics and Computation</i> , 2022, 418, 126822. | 1.4 | 2 |
| 69 | Spatial and Electronic Structures of Be π and Mg π : How far Does the Analogy Go?. <i>ChemPhysChem</i> , 2022, , . | 1.0 | 2 |
| 70 | On the Relationship between π -Electron Energy and Topological Resonance Energy. <i>Zeitschrift Für Naturforschung - Section A Journal of Physical Sciences</i> , 2006, 61, 345-348. | 0.7 | 1 |
| 71 | The B2 Structural Motif as a Tool for Modulating Ring Currents in Monocyclic Li Clusters. <i>Chemistry</i> , 2021, 3, 1063-1073. | 0.9 | 1 |
| 72 | Relating vibrational energy with Kekulé and Clar structure-based parameters. <i>International Journal of Quantum Chemistry</i> , 2022, 122, . | 1.0 | 1 |

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|----|---|-----|-----------|
| 73 | Tuning the structure and properties of N-doped positively charged polycyclic aromatic hydrocarbons. ChemPhysChem, 2022, , . | 1.0 | 1 |
| 74 | Relation between Pauling and Coulson Bond Orders in Benzenoid Hydrocarbons. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 699-704. | 0.7 | 0 |
| 75 | Some properties of the topological bond order. Chemical Physics Letters, 2005, 407, 73-77. | 1.2 | 0 |
| 76 | Strain in strain-free benzenoid hydrocarbons: the case of fibonacenes. Chemical Papers, 2017, 71, 1491-1495. | 1.0 | 0 |
| 77 | Na-B Bond in NaBH ₃ : Solving the Conundrum. Angewandte Chemie, 2021, 133, 12833-12836. | 1.6 | 0 |