Slavko Radenkovic

List of Publications by Year
in descending order

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77 papers	825 citations	516710 16 h-index	642732 23 g-index
78 all docs	78 docs citations	78 times ranked	710 citing authors

#	Article	IF	Citations
1	A theoretical mechanistic study of [Kâ€‰âŠ‚â€‰[2.2.2]]⁺ enantiomerization. Journal of Physical Organic Chemistry, 2022, 35, e4289.	1.9	2
2	The generalized Zhangâ€“Zhang polynomial of benzenoid systems â€“ theory and applications. Applied Mathematics and Computation, 2022, 418, 126822.	2.2	2
3	On the Nature of the Bonding in Coinage Metal Halides. Molecules, 2022, 27, 490.	3.8	7
4	Electronic structure, stability, and aromaticity of M₂B₆ (M = Mg, Ca, Sr, and) Tj ETQq0 0 0 rgBT /Overlock 10 T Physics, 2022, 24, 5833-5841.	2.8	5
5	Spatial and Electronic Structures of BeB ₈ and MgB ₈ : How far Does the Analogy Go?. ChemPhysChem, 2022, , .	2.1	2
6	Relating vibrational energy with KekulÃ©â€•and Clarâ€structureâ€based parameters. International Journal of Quantum Chemistry, 2022, 122, .	2.0	1
7	Tuning the structure and properties of Nâ€doped positively charged polycyclic aromatic hydrocarbons. ChemPhysChem, 2022, , .	2.1	1
8	Aromaticity of Singlet and Triplet Boron Disk-like Clusters: A Test for Electron Counting Aromaticity Rules. Inorganic Chemistry, 2022, 61, 10116-10125.	4.0	3
9	25 years of NICS - much more than nothing!. Journal of the Serbian Chemical Society, 2022, 87, 1439-1446.	0.8	4
10	Naâ‹…â‹…â‹…B Bond in NaBH 3 â˜ : Solving the Conundrum. Angewandte Chemie, 2021, 133, 12833-12836.	2.0	0
11	Naâ‹…â‹…â‹…B Bond in NaBH₃^{â˜}: Solving the Conundrum. Angewandte Chemie - International Edition, 2021, 60, 12723-12726.	13.8	11
12	Effect of a Ring onto Values of Eigenvalueâ€“Based Molecular Descriptors. Symmetry, 2021, 13, 1515.	2.2	2
13	The B2 Structural Motif as a Tool for Modulating Ring Currents in Monocyclic Li Clusters. Chemistry, 2021, 3, 1063-1073.	2.2	1
14	Relating nucleus independent chemical shifts with integrated current density strengths. Physical Chemistry Chemical Physics, 2021, 23, 11240-11250.	2.8	16
15	A method for analyzing the cyclic electron delocalization interaction between different rings in polycyclic molecules. International Journal of Quantum Chemistry, 2021, 121, e26597.	2.0	2
16	Magnetically Induced Current Density in Nonplanar Fully Benzenoid Hydrocarbons. Journal of Physical Chemistry A, 2020, 124, 371-378.	2.5	5
17	Heteroatom effects on aromaticity of five-membered rings in acenaphthylene analogs. Journal of Molecular Modeling, 2020, 26, 275.	1.8	3
18	Singlet and triplet states of the sandwich-type Be2B6 and Be2B7+ clusters. A test for the electron counting rules of aromaticity. New Journal of Chemistry, 2020, 44, 19780-19788.	2.8	4

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19	Assessing the Extent of Ï€-Electron Delocalization in Naphtho-Annelated Fluoranthenes by Means of Topological Ring-Currents. Journal of Physical Chemistry A, 2019, 123, 1445-1450.	2.5	12
20	Magnetically induced current density in triple-layered berylliumâ€“boron clusters. Physical Chemistry Chemical Physics, 2019, 21, 7105-7114.	2.8	13
21	Importance of hydrogen bonding and aromaticity indices in QSAR modeling of the antioxidative capacity of selected (poly)phenolic antioxidants. Journal of Molecular Graphics and Modelling, 2017, 72, 240-245.	2.4	23
22	The nature of bonding in metal-metal singly bonded coinage metal dimers: Cu 2 , Ag 2 and Au 2. Computational and Theoretical Chemistry, 2017, 1116, 195-201.	2.5	17
23	Strain in strain-free benzenoid hydrocarbons: the case of fibonacenes. Chemical Papers, 2017, 71, 1491-1495.	2.2	0
24	Ï€-electron content of rings in polycyclic conjugated compounds â€“ A valence bond based measure of local aromaticity. Computational and Theoretical Chemistry, 2017, 1116, 163-173.	2.5	8
25	Aromaticity of Nonplanar Fully Benzenoid Hydrocarbons. Journal of Physical Chemistry A, 2017, 121, 3616-3626.	2.5	32
26	The nature of the Auâ€“N bond in gold(<scp>iii</scp>) complexes with aromatic nitrogen-containing heterocycles: the influence of Au(<scp>iii</scp>) ions on the ligand aromaticity. New Journal of Chemistry, 2017, 41, 12407-12415.	2.8	17
27	Extending the McClelland formula for total $$pi $$ Ï€ -electron energy. Journal of Mathematical Chemistry, 2017, 55, 1934-1940.	1.5	3
28	Mononuclear gold(III) complexes with phenanthroline ligands as efficient inhibitors of angiogenesis: A comparative study with auranofin and sunitinib. Journal of Inorganic Biochemistry, 2017, 174, 156-168.	3.5	22
29	Total Ï€-electron and HOMO energy. Chemical Physics Letters, 2016, 649, 148-150.	2.6	4
30	Paradise Lostâ€"Ï€-Electron Conjugation in Homologs and Derivatives of Perylene. Challenges and Advances in Computational Chemistry and Physics, 2016, , 297-320.	0.6	4
31	Synthesis, structural characterization and biological evaluation of dinuclear gold(<scp>iii</scp>) complexes with aromatic nitrogen-containing ligands: antimicrobial activity in relation to the complex nuclearity. MedChemComm, 2016, 7, 1356-1366.	3.4	16
32	Three-dimensional networks containing rectangular Sr4and Ba4units: Synthesis, structure, bonding, and potential application for Ne gas separation. International Journal of Quantum Chemistry, 2015, 115, 1501-1510.	2.0	6
33	Strain in strain-free benzenoid hydrocarbons: The case of phenanthrene. Chemical Physics Letters, 2015, 625, 69-72.	2.6	4
34	Local Aromaticity in Naphtho-Annelated Fluoranthenes: Can the Five-Membered Rings Be More Aromatic Than the Six-Membered Rings?. Journal of Physical Chemistry A, 2015, 119, 4972-4982.	2.5	13
35	Ring Currents in Benzoâ€•and Benzocyclobutadienoâ€Annelated Biphenylene Derivatives. ChemPhysChem, 2015, 16, 216-222.	2.1	15
36	Effect of Benzo-Annelation on Local Aromaticity in Heterocyclic Conjugated Compounds. Journal of Physical Chemistry A, 2014, 118, 11591-11601.	2.5	23

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37	Electronic structure study of the biradical pleiadene-like molecules. Monatshefte FÃ¼r Chemie, 2014, 145, 281-290.	1.8	6
38	A case of breakdown of the Pauling bond order concept. Chemical Physics Letters, 2014, 614, 104-109.	2.6	4
39	Aromaticity of Closed-Shell Charged Polybenzenoid Hydrocarbons. Journal of Physical Chemistry A, 2013, 117, 4679-4687.	2.5	13
40	A test of Clar aromatic sextet theory. Journal of the Serbian Chemical Society, 2013, 78, 1539-1546.	0.8	8
41	Heterotrimetallic compounds containing Moâ€"Mâ€"Li [M = K, Rb and Cs] clusters: synthesis, structure, bonding, aromaticity and theoretical investigations of Li2M2 [M = K and Rb] and Cs4 rings. Physical Chemistry Chemical Physics, 2012, 14, 15579.	2.8	11
42	Anomalous cyclic conjugation in the perylene/bisanthrene homologous series. Monatshefte FÃ¼r Chemie, 2012, 143, 1649-1653.	1.8	10
43	Electronic structure study of the triplet azulene-like molecules. Chemical Physics Letters, 2012, 545, 132-137.	2.6	7
44	On induced current density in the perylene/bisanthrene homologous series. Chemical Physics Letters, 2012, 552, 151-155.	2.6	12
45	Local aromaticity of the five-membered rings in acenaphthylene derivatives. Physical Chemistry Chemical Physics, 2012, 14, 14067.	2.8	30
46	Comparative Study of Aromaticity in Tetraoxa[8]circulenes. Journal of Physical Chemistry A, 2012, 116, 9421-9430.	2.5	46
47	Ring Currents in Polycyclic Sodium Clusters. Journal of Physical Chemistry A, 2011, 115, 12493-12502.	2.5	18
48	DFT study on singlet diradical character of zethrenes. Russian Journal of Physical Chemistry A, 2011, 85, 2368-2372.	0.6	10
49	The diradical character of polyacenequinododimethides. Monatshefte FÃ¼r Chemie, 2011, 142, 1013-1019.	1.8	9
50	How Does Aromaticity Rule the Thermodynamic Stability of Hydroporphyrins?. Chemistry - A European Journal, 2011, 17, 3274-3286.	3.3	31
51	Pairwise energy effect of cyclic conjugation in benzo-annelated perylenes. Monatshefte FÃ¼r Chemie, 2010, 141, 401-407.	1.8	14
52	Correlations between Local Aromaticity Indices of Bipartite Conjugated Hydrocarbons. Journal of Physical Chemistry A, 2010, 114, 5870-5877.	2.5	26
53	Cyclic conjugation in benzo-annelated triphenylenes. Journal of the Serbian Chemical Society, 2010, 75, 943-950.	0.8	4
54	Effect of a ring on the cyclic conjugation in another ring: Applications to acenaphthylene-type polycyclic conjugated molecules. Journal of the Serbian Chemical Society, 2010, 75, 83-90.	0.8	4

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55	Stability order of isomeric benzenoid hydrocarbons and KekulÃ© structure count. Journal of the Serbian Chemical Society, 2009, 74, 155-158.	0.8	3
56	Formation and isomerization of dicyclopenta[de,mn]anthracene. Electronic Structure Study. Journal of Molecular Modeling, 2009, 15, 953-958.	1.8	3
57	Thermal isomerization in cyclopenta[fg]aceanthrylene. Monatshefte FÃ¼r Chemie, 2009, 140, 153-156.	1.8	3
58	Testing the PCP-rule. Monatshefte FÃ¼r Chemie, 2009, 140, 1305-1309.	1.8	15
59	Quantitative study of the PCP effect. Chemical Physics Letters, 2009, 475, 289-292.	2.6	18
60	Electronic Structure Study of Thermal Intraconversions of Some Dicyclopenta-Fused Polycyclic Aromatic Compounds. Journal of Chemical Information and Modeling, 2008, 48, 1984-1989.	5.4	6
61	Bicyclic molecular graphs with the greatest energy. Journal of the Serbian Chemical Society, 2008, 73, 431-433.	0.8	15
62	The Hall rule in fluoranthene-type benzenoid hydrocarbons. Journal of the Serbian Chemical Society, 2008, 73, 989-995.	0.8	10
63	Relating Estrada index with spectral radius. Journal of the Serbian Chemical Society, 2007, 72, 1321-1327.	0.8	18
64	Total Ï€-electron energy and Laplacian energy: How far the analogy goes?. Journal of the Serbian Chemical Society, 2007, 72, 1343-1350.	0.8	39
65	Relating resonance energy with the Zhang-Zhang polynomial. Journal of the Serbian Chemical Society, 2007, 72, 665-671.	0.8	15
66	Estrada Index of Benzenoid Hydrocarbons. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 254-258.	1.5	9
67	Monte Carlo approach to Estrada index. Chemical Physics Letters, 2007, 446, 233-236.	2.6	16
68	On the Relationship between Ï€-Electron Energy and Topological Resonance Energy. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2006, 61, 345-348.	1.5	1
69	Extending and modifying the Hall rule. Chemical Physics Letters, 2006, 423, 382-385.	2.6	17
70	Relating Total Ï€-Electron Energy and Resonance Energy of Benzenoid Molecules with KekulÃ©- and Clar-Structure-Based Parameters. Monatshefte FÃ¼r Chemie, 2006, 137, 1127-1138.	1.8	16
71	A DIFFERENCE BETWEEN THE Ï€-ELECTRON PROPERTIES OF CATAFUSENES AND PERIFUSENES. Polycyclic Aromatic Compounds, 2006, 26, 197-206.	2.6	3
72	Dependence of Dewar resonance energy of benzenoid molecules on KekulÃ© structure count. Journal of the Serbian Chemical Society, 2006, 71, 1039-1047.	0.8	3

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73	Some properties of the topological bond order. Chemical Physics Letters, 2005, 407, 73-77.	2.6	0
74	Relation between Pauling and Coulson Bond Orders in Benzenoid Hydrocarbons. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 699-704.	1.5	0
75	Dependence of Total Ï€-Electron Energy on the Number of Non-Bonding Molecular Orbitals. Monatshefte FÃ¼r Chemie, 2004, 135, 765-772.	1.8	17
76	Effect of non-bonding molecular orbitals on total Ï€-electron energy. Chemical Physics Letters, 2004, 383, 171-175.	2.6	18
77	Dependence of the total -electron energy on large number of non-bonding molecular orbitals. Journal of the Serbian Chemical Society, 2004, 69, 777-782.	0.8	14