

Tadeusz Marek Krygowski

List of Publications by Year in descending order

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117
papers

6,495
citations

147566

31
h-index

64668

79
g-index

118
all docs

118
docs citations

118
times ranked

3724
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Structural Aspects of Aromaticity. <i>Chemical Reviews</i> , 2001, 101, 1385-1420. | 23.0 | 1,189 |
| 2 | Crystallographic studies of inter- and intramolecular interactions reflected in aromatic character of π -electron systems. <i>Journal of Chemical Information and Computer Sciences</i> , 1993, 33, 70-78. | 2.8 | 1,139 |
| 3 | To What Extent Can Aromaticity Be Defined Uniquely? <i>Journal of Organic Chemistry</i> , 2002, 67, 1333-1338. | 1.7 | 678 |
| 4 | Aromaticity from the Viewpoint of Molecular Geometry: Application to Planar Systems. <i>Chemical Reviews</i> , 2014, 114, 6383-6422. | 23.0 | 439 |
| 5 | Sigma- and Pi-Electron Delocalization: A Focus on Substituent Effects. <i>Chemical Reviews</i> , 2005, 105, 3482-3512. | 23.0 | 303 |
| 6 | Global and Local Aromaticity in Porphyrins: An Analysis Based on Molecular Geometries and Nucleus-Independent Chemical Shifts. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 177-180. | 7.2 | 220 |
| 7 | Relation between the Substituent Effect and Aromaticity. <i>Journal of Organic Chemistry</i> , 2004, 69, 6634-6640. | 1.7 | 177 |
| 8 | Aromatic Character of the Benzene Ring Present in Various Topological Environments in Benzenoid Hydrocarbons. Nonequivalence of Indices of Aromaticity. <i>Journal of Chemical Information and Computer Sciences</i> , 1995, 35, 203-210. | 2.8 | 130 |
| 9 | The electron density of delocalized bonds (EDDB) applied for quantifying aromaticity. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28970-28981. | 1.3 | 114 |
| 10 | The nitro group as substituent. <i>Chemical Society Reviews</i> , 1996, 25, 71. | 18.7 | 90 |
| 11 | Low temperature crystal and molecular structure of nitrobenzene. <i>Structural Chemistry</i> , 1992, 3, 363-368. | 1.0 | 74 |
| 12 | On the Aromatic Character of the Heterocyclic Bases of DNA and RNA#. <i>Journal of Organic Chemistry</i> , 2003, 68, 8607-8613. | 1.7 | 70 |
| 13 | Toward a Physical Interpretation of Substituent Effects: The Case of Fluorine and Trifluoromethyl Groups. <i>Journal of Organic Chemistry</i> , 2014, 79, 7321-7331. | 1.7 | 69 |
| 14 | The role of the long-range exchange corrections in the description of electron delocalization in aromatic species. <i>Journal of Computational Chemistry</i> , 2017, 38, 1640-1654. | 1.5 | 69 |
| 15 | Substituent and temperature controlled tautomerism: multinuclear magnetic resonance, X-ray, and theoretical studies on 2-phenacylquinolines. <i>Perkin Transactions II RSC</i> , 2000, , 1259-1266. | 1.1 | 68 |
| 16 | Two faces of the structural aspects of aromaticity. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 249-255. | 1.3 | 64 |
| 17 | Relationship between substituent effect and aromaticity – Part III: naphthalene as a transmitting moiety for substituent effect. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 297-306. | 0.9 | 61 |
| 18 | How H-bonding Modifies Molecular Structure and π -Electron Delocalization in the Ring of Pyridine/Pyridinium Derivatives Involved in H-Bond Complexation. <i>Journal of Organic Chemistry</i> , 2005, 70, 8859-8865. | 1.7 | 54 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | H-Bonding-Assisted Substituent Effect. <i>Journal of Organic Chemistry</i> , 2010, 75, 4944-4949. | 1.7 | 45 |
| 20 | Relation between π -Electron Localization/Delocalization and H-Bond Strength in Derivatives of <i>o</i> -Hydroxy-Schiff Bases. <i>Journal of Organic Chemistry</i> , 2008, 73, 2138-2145. | 1.7 | 44 |
| 21 | Aromaticity of substituted fulvene derivatives: substituent-dependent ring currents. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10740. | 1.3 | 44 |
| 22 | Towards physical interpretation of substituent effects: the case of meta- and para-substituted anilines. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11711-11721. | 1.3 | 43 |
| 23 | Molecular Geometry as a Source of Chemical Information. 3. How H-Bonding Affects Aromaticity of the Ring in the Case of Phenol and <i>p</i> -Nitrophenol Complexes: A B3LYP/6-311+G** Study. <i>Journal of Organic Chemistry</i> , 2004, 69, 7038-7043. | 1.7 | 41 |
| 24 | Separation of the Energetic and Geometric Contributions to Aromaticity. 3. Analysis of the Aromatic Character of Benzene Rings in Their Various Topological and Chemical Environments in the Substituted Benzene Derivatives. <i>Journal of Chemical Information and Computer Sciences</i> , 1996, 36, 1142-1145. | 2.8 | 39 |
| 25 | Theoretical study of electron-attracting ability of the nitro group: classical and reverse substituent effects. <i>Structural Chemistry</i> , 2015, 26, 905-913. | 1.0 | 39 |
| 26 | Aromaticity of acenes: the model of migrating π -circuits. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13430-13436. | 1.3 | 36 |
| 27 | Tautomeric equilibria, H-bonding and π -electron delocalization in <i>o</i> -nitrosophenol. A B3LYP/6-311+G(2df,2p) study. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 892-897. | 0.9 | 34 |
| 28 | Relation between the substituent effect and aromaticity. Part II. The case of meta- and para-homodisubstituted benzene derivatives. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 889-895. | 0.9 | 33 |
| 29 | Effect of the H-Bonding on Aromaticity of Purine Tautomers. <i>Journal of Organic Chemistry</i> , 2012, 77, 4035-4045. | 1.7 | 32 |
| 30 | Toward the Physical Interpretation of Inductive and Resonance Substituent Effects and Reexamination Based on Quantum Chemical Modeling. <i>ACS Omega</i> , 2017, 2, 7163-7171. | 1.6 | 32 |
| 31 | Relation between resonance energy and substituent resonance effect in <i>p</i> -phenols. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 886-891. | 0.9 | 31 |
| 32 | Long-Distance Structural Consequences of H-Bonding. How H-Bonding Affects Aromaticity of the Ring in Variously Substituted Aniline/Anilinium/Anilide Complexes with Bases and Acids. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 875-886. | 2.5 | 30 |
| 33 | How H-Bonding Affects Aromaticity of the Ring in Variously Substituted Phenol Complexes with Bases. 4. Molecular Geometry as a Source of Chemical Information. <i>Journal of Chemical Information and Computer Sciences</i> , 2004, 44, 2077-2082. | 2.8 | 29 |
| 34 | Molecular geometry as a source of chemical information. Part 2? An attempt to estimate the H-bond strength: the case of <i>p</i> -nitrophenol complexes with bases. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 110-114. | 0.9 | 26 |
| 35 | Basis set dependence, precision, and accuracy of full ab initio gradient optimizations of molecular structures of nonstrained hydrocarbons. I. CC bond lengths. <i>Journal of Computational Chemistry</i> , 1989, 10, 329-343. | 1.5 | 24 |
| 36 | Theoretical Study of Changes in π -Electron Delocalization in the Analogues of an <i>ortho</i> -Hydroxy Schiff Base When the Proton Is Replaced with Li ⁺ or BeH ⁺ . <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 1837-1841. | 2.5 | 24 |

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|----|--|-----|-----------|
| 37 | Interpretation of Substituent Angular Parameters of Monosubstituted Benzenes by Means of ab initio STO-3G Fully Optimized Molecular Structures and Charges Densities. Part VI of the Series: "Crystallographic Studies and Physicochemical Properties of π -Electron Systems". Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1986, 41, 895-903. | 0.3 | 23 |
| 38 | Separation of the energetic and geometric contributions to aromaticity. Part VI. Changes of the aromatic character of the rings in naphthalene, anthracene, phenanthrene and pyrene derivatives induced by the charged substituent CH ₂ ⁺ . Tetrahedron, 1997, 53, 11383-11398. | 1.0 | 23 |
| 39 | Towards a physical interpretation of substituent effect: Quantum chemical interpretation of Hammett substituent constants. Journal of Molecular Structure, 2017, 1137, 581-588. | 1.8 | 23 |
| 40 | On the relations between aromaticity and substituent effect. Structural Chemistry, 2019, 30, 1529-1548. | 1.0 | 23 |
| 41 | Crystallographic studies of intra- and inter-molecular interactions. Crystal and molecular structure of N,N-dimethyl-4-nitro-3,5-xylidine. Structural evidence against the classical through-resonance concept in p-nitroaniline and derivatives. Journal of the Chemical Society Perkin Transactions II, 1989, , 695. | 0.9 | 22 |
| 42 | Substituent effects in mono- and disubstituted 1,3,5,7-cyclooctatetraene derivatives in natural and planar conformations. New Journal of Chemistry, 2009, 33, 1753. | 1.4 | 22 |
| 43 | Aromatic character of heptafulvene and its complexes with halogen atoms. Journal of Molecular Modeling, 2012, 18, 2453-2460. | 0.8 | 22 |
| 44 | Tautomerisation of thymine acts against the Hückel 4 <i>n</i> + 2 rule. The effect of metal ions and H-bond complexations on the electronic structure of thymine. Organic and Biomolecular Chemistry, 2014, 12, 6476-6483. | 1.5 | 22 |
| 45 | Classical and reverse substituent effects in meta- and para-substituted nitrobenzene derivatives. Structural Chemistry, 2017, 28, 1125-1132. | 1.0 | 22 |
| 46 | Variation of the π -electron delocalization in exocyclically substituted heptafulvene derivatives. Journal of Physical Organic Chemistry, 2003, 16, 426-430. | 0.9 | 21 |
| 47 | Effect of H-bonding and complexation with metal ions on the π -electron structure of adenine tautomers. Organic and Biomolecular Chemistry, 2014, 12, 456-466. | 1.5 | 21 |
| 48 | How OH and O ⁻ groups affect electronic structure of meta-substituted and para-substituted phenols and phenolates. Structural Chemistry, 2017, 28, 1563-1572. | 1.0 | 20 |
| 49 | Stacking of nucleic acid bases: optimization of the computational approach—the case of adenine dimers. Structural Chemistry, 2019, 30, 351-359. | 1.0 | 20 |
| 50 | Varying Electronegativity of OH/O-Groups Depending on the Nature and Strength of H-Bonding in Phenol/Phenolate Involved in H-Bond Complexation. Journal of Physical Chemistry A, 2006, 110, 7232-7236. | 1.1 | 19 |
| 51 | Sigma- and pi- electron structure of aza-azoles. Journal of Molecular Modeling, 2011, 17, 1427-1433. | 0.8 | 19 |
| 52 | Effect of Intra- and Intermolecular Interactions on the Properties of para-Substituted Nitrobenzene Derivatives. Crystals, 2016, 6, 29. | 1.0 | 19 |
| 53 | Molecular Geometry as a Source of Chemical Information. 5. Substituent Effect on Proton Transfer in Para-Substituted Phenol Complexes with Fluoride B3LYP/6-311+G** Study. Journal of Chemical Information and Modeling, 2005, 45, 652-656. | 2.5 | 18 |
| 54 | How to Find the Fries Structures for Benzenoid Hydrocarbons. Symmetry, 2010, 2, 1390-1400. | 1.1 | 18 |

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|----|---|-----|-----------|
| 55 | Substituent Effect on the π - and σ -Electron Structure of the Nitro Group and the Ring in <i>meta</i> - and <i>para</i> -Substituted Nitrobenzenes. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5196-5203. | 1.1 | 18 |
| 56 | Crystal and molecular structure of <i>N</i> -nitro- <i>N</i> -methyl- <i>p</i> -nitroaniline: Analysis of substituent effects on the ring geometry and estimation of the Hammett substituent constant for the <i>N</i> -methylnitramino group. <i>Journal of Physical Organic Chemistry</i> , 1993, 6, 257-260. | 0.9 | 17 |
| 57 | Where the two carbon atoms touch in the triple bond in disubstituted acetylenes: the AIM analysis. <i>Chemical Physics Letters</i> , 2004, 389, 51-57. | 1.2 | 17 |
| 58 | Aromaticity of pentafulvene π -complexes with alkaline metal atoms. <i>Structural Chemistry</i> , 2012, 23, 931-938. | 1.0 | 17 |
| 59 | IMBALANCE OF THE KEKULÉ $\frac{1}{2}$ STRUCTURES IN 2,4,6-TRIMETHOXY-S-TRIAZINE. <i>Journal of Physical Organic Chemistry</i> , 1997, 10, 125-127. | 0.9 | 16 |
| 60 | Substituent effects in 1-nitro-4-substituted bicyclo[2.2.2]octane derivatives: inductive or field effects?. <i>Journal of Molecular Modeling</i> , 2014, 20, 2352. | 0.8 | 16 |
| 61 | Why 1,2-quinone derivatives are more stable than their 2,3-analogues?. <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1. | 0.5 | 16 |
| 62 | Calculating the Aromaticity of Heterocycles. <i>Advances in Heterocyclic Chemistry</i> , 2016, , 301-327. | 0.9 | 16 |
| 63 | Solvolysis of aromatic benzoyl chlorides: how is the π -electron stabilization of the aromatic acyl chlorides and acylium cations related to the π -electron delocalization?. <i>Journal of Physical Organic Chemistry</i> , 2004, 17, 699-706. | 0.9 | 15 |
| 64 | Effect of Alkali Metal Cations on Length and Strength of Hydrogen Bonds in DNA Base Pairs. <i>ChemPhysChem</i> , 2020, 21, 2112-2126. | 1.0 | 15 |
| 65 | Study of the influence of intermolecular interaction on classical and reverse substituent effects in <i>para</i> -substituted phenylboranes. <i>New Journal of Chemistry</i> , 2020, 44, 9656-9670. | 1.4 | 13 |
| 66 | Solid-state NMR and x-ray diffraction studies of ionic complex of 1,8-bis(dimethylamino)naphthalene (DMAN) with picrolonic acid. <i>Journal of Physical Organic Chemistry</i> , 1997, 10, 814-824. | 0.9 | 12 |
| 67 | Natural bond orbital (NBO) analysis of the angular group induced bond alternation (AGIBA) substituent effect. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 551-556. | 0.9 | 12 |
| 68 | Dependence of the Substituent Effect on Solvent Properties. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1896-1904. | 1.1 | 12 |
| 69 | Reaction pathway of proton transfer from the neutral to zwitterionic forms of amino acids. Support for a water molecule-mediated mechanism. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 740-744. | 0.9 | 11 |
| 70 | Modeling the electronic structure of formamide: an acid/base amphoteric solvent. <i>Structural Chemistry</i> , 2012, 23, 1711-1721. | 1.0 | 11 |
| 71 | Crystal and molecular structure of pyrylium salts. IV. Crystal and molecular structure of 2,6-diphenyl-4-(4-carboxyphenyl)pyrylium perchlorate. Interrelations between structural parameters due to substituent effects. <i>Journal of Physical Organic Chemistry</i> , 1991, 4, 121-124. | 0.9 | 10 |
| 72 | Aromaticity of H-bonded and metal complexes of guanine tautomers. <i>Structural Chemistry</i> , 2016, 27, 111-118. | 1.0 | 10 |

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|----|---|-----|-----------|
| 73 | Inductive or Field Substituent Effect? Quantum Chemical Modeling of Interactions in 1-Monosubstituted Bicyclooctane Derivatives. <i>ACS Omega</i> , 2017, 2, 1746-1749. | 1.6 | 10 |
| 74 | Investigation of induced currents in cyclic forms of ortho-acylphenols and lithium analogues: does the lithium cation contribute to aromatic π -electron delocalisation?. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 6979. | 1.3 | 9 |
| 75 | How far the substituent effects in disubstituted cyclohexa-1,3-diene derivatives differ from those in bicyclo[2.2.2]octane and benzene?. <i>Structural Chemistry</i> , 2018, 29, 1201-1212. | 1.0 | 9 |
| 76 | Classical and Reverse Substituent Effects in Substituted Anthrol Derivatives. <i>ChemistryOpen</i> , 2019, 8, 64-73. | 0.9 | 9 |
| 77 | Angular group-induced bond alternation (AGIBA). Part 5: Conformation dependence and additivity of the effect: structural studies of 3,5-dimethoxybenzaldehyde π - σ derivatives and related systems. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 349-354. | 0.9 | 8 |
| 78 | Olefinic vs aromatic way of substituent effects: The case of 3- and 4-substituted cyclohexa-1,3-dienamine derivatives. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3694. | 0.9 | 8 |
| 79 | Aromaticity of the most stable adenine and purine tautomers in terms of Hückel's 4N+2 principle. <i>Tetrahedron</i> , 2019, 75, 130474. | 1.0 | 8 |
| 80 | Substituent effects on the stability of the four most stable tautomers of adenine and purine. <i>RSC Advances</i> , 2019, 9, 31343-31356. | 1.7 | 8 |
| 81 | Correlations between empirical lewis acid-base solvent parameters and the thermodynamic parameters of ion solvation. Part II. Acidity parameters of cations and basicity parameters of anions. <i>Journal of Physical Organic Chemistry</i> , 1991, 4, 439-448. | 0.9 | 7 |
| 82 | The effect of benzoannulation on the transition state and the proton transfer equilibrium in di(2-pyridyl)methane derivatives. <i>New Journal of Chemistry</i> , 2011, 35, 1433. | 1.4 | 7 |
| 83 | Metal Complexation and H-bonding Effects on Electronic Structure of Cytosine Studied in the Gas Phase. <i>Croatica Chemica Acta</i> , 2014, 87, 335-342. | 0.1 | 7 |
| 84 | How amino and nitro substituents affect the aromaticity of benzene ring. <i>Chemical Physics Letters</i> , 2020, 753, 137567. | 1.2 | 7 |
| 85 | Aromaticity of nucleic acid bases. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2021, 11, e1509. | 6.2 | 7 |
| 86 | Correlation Analysis in Organic Crystal Chemistry. <i>Progress in Physical Organic Chemistry</i> , 0, , 239-291. | 1.2 | 7 |
| 87 | Empirical Parameters of Lewis Basicity of Binary Solvent Mixtures, Part II Mixtures with Water. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1989, 44, 673-678. | 0.3 | 6 |
| 88 | Geometry-based analysis of azulene and azulene-like systems with H- or Li-bonding. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 594-599. | 0.9 | 6 |
| 89 | Solvent influence on intramolecular interactions and aromaticity in meta and para nitroanilines. <i>Structural Chemistry</i> , 2020, 31, 1717-1728. | 1.0 | 6 |
| 90 | Substituted adenine quartets: interplay between substituent effect, hydrogen bonding, and aromaticity. <i>RSC Advances</i> , 2020, 10, 23350-23358. | 1.7 | 6 |

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|-----|--|-----|-----------|
| 91 | Changes in Electron Structure of the Triple Bond in Substituted Acetylene and Diacetylene Derivatives. <i>ChemPhysChem</i> , 2020, 21, 1847-1857. | 1.0 | 6 |
| 92 | Dependence of the substituent energy on the level of theory. <i>Journal of Computational Chemistry</i> , 2021, 42, 2079-2088. | 1.5 | 6 |
| 93 | Crystallographic studies of intra- and inter- molecular interactions. Part VI. Crystal and molecular structure of N,N'-dimethyl-N'-phenylsulphonylformamide. Equalization of CN bond lengths in the amidine fragment as a result of substituent effects due to push-pull. <i>Journal of Physical Organic Chemistry</i> , 1991, 4, 331-335. | 0.9 | 5 |
| 94 | An explicit solvent quantum chemistry study on the water environment influence on the interactions of fluoride with phenol. <i>New Journal of Chemistry</i> , 2009, 33, 831. | 1.4 | 5 |
| 95 | Mutual Relations between Substituent Effect, Hydrogen Bonding, and Aromaticity in Adenine-Uracil and Adenine-Adenine Base Pairs. <i>Molecules</i> , 2020, 25, 3688. | 1.7 | 5 |
| 96 | Effect of the Solvent and Substituent on Tautomeric Preferences of Amine-Adenine Tautomers. <i>ACS Omega</i> , 2021, 6, 18890-18903. | 1.6 | 5 |
| 97 | Long distance structural consequences of H-bonding: the case of complexes of <i>para</i> -substituted phenol derivatives. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 740-746. | 0.9 | 4 |
| 98 | Comparative studies on CH ^{δ+} hydrogen bond formation in benzene and exocyclically substituted pentafulvene derivatives. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 575-582. | 0.9 | 4 |
| 99 | Aromaticity Induced by Electric Field: The Case of Polycalixenes. <i>Journal of Organic Chemistry</i> , 2015, 80, 9091-9101. | 1.7 | 4 |
| 100 | Introduction: Special issue devoted in memory of Professor Oleg V. Shishkin. <i>Structural Chemistry</i> , 2016, 27, 1-1. | 1.0 | 4 |
| 101 | Most of the field/inductive substituent effect works through the bonds. <i>Journal of Molecular Modeling</i> , 2019, 25, 350. | 0.8 | 4 |
| 102 | Energetic and geometric characteristics of the substituents. Part 1. The case of NO ₂ and NH ₂ groups in their mono-substituted derivatives of simple benzenoid hydrocarbons. <i>Structural Chemistry</i> , 2021, 32, 915-923. | 1.0 | 4 |
| 103 | Energetic and Geometric Characteristics of the Substituents: Part 2: The Case of NO ₂ , Cl, and NH ₂ Groups in Their Mono-Substituted Derivatives of Simple Nitrogen Heterocycles. <i>Molecules</i> , 2021, 26, 6543. | 1.7 | 4 |
| 104 | Crystallographic studies of intra- and inter-molecular interactions Part III. Refinement of the crystal and molecular structure of N,N-dimethyl-m-nitroaniline: additivity of substituent effects on geometrical parameters of the ring. <i>Journal of Molecular Structure</i> , 1991, 246, 113-122. | 1.8 | 3 |
| 105 | Structural studies of 1,3-di(N,N-dimethylformamidyl)-2-cyanoguanidine. The case of a strongly Lewis basic nitrogen atom in the cyano group VIII. Crystallographic studies of intra- and inter-molecular interactions. <i>Journal of Physical Organic Chemistry</i> , 1991, 4, 689-692. | 0.9 | 3 |
| 106 | Ab initio 3-21 G Calculations of Push-Pull Interactions of Substituents at Imino-Nitrogen in Formamidines. Non-Equivalence of NO-Bonds of the Nitro-Substituent. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1992, 47, 1480-1490. | 0.3 | 3 |
| 107 | Aromaticity – What Does It Mean?. <i>AIP Conference Proceedings</i> , 2007, , . | 0.3 | 3 |
| 108 | Application of graph theory and topological models for the determination of fundamentals of the aromatic character of pi-conjugated hydrocarbons. <i>Pure and Applied Chemistry</i> , 2012, 84, 1069-1088. | 0.9 | 3 |

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|-----|--|-----|-----------|
| 109 | Towards physical interpretation of substituent effects: the case of N- and C3-substituted pyrrole derivatives. <i>Structural Chemistry</i> , 2017, 28, 1223-1227. | 1.0 | 3 |
| 110 | Impact of the Substituents on the Electronic Structure of the Four Most Stable Tautomers of Purine and Their Adenine Analogues. <i>ACS Omega</i> , 2020, 5, 11570-11577. | 1.6 | 3 |
| 111 | On differences in substituent effects in substituted ethene and acetylene derivatives and their boranyl analogs. <i>Structural Chemistry</i> , 2021, 32, 285-296. | 1.0 | 3 |
| 112 | Solvent Effect on the Stability and Reverse Substituent Effect in Nitropurine Tautomers. <i>Symmetry</i> , 2021, 13, 1223. | 1.1 | 3 |
| 113 | Energetic characteristics of the substituents in para- and meta-substituted derivatives of benzoic acids. <i>Chemical Physics Letters</i> , 2021, 771, 138464. | 1.2 | 2 |
| 114 | Aromaticity Concepts Derived from Experiments. <i>Sci</i> , 2022, 4, 24. | 1.8 | 2 |
| 115 | Angular group induced bond alternation (AGIBA). Part VI ? Competition between the AGIBA and through resonance effects. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 764-769. | 0.9 | 1 |
| 116 | Conformational Aspects of the p-Nitrosophenolate Anion and Related Compounds: NMR Study and ab initio 6-31G Optimizations of Molecular Structures. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1997, 52, 263-280. | 0.3 | 1 |
| 117 | Energetic and Geometric Characteristics of Substituents, Part 3: The Case of NO ₂ and NH ₂ Groups in Their Mono-Substituted Derivatives of Six-Membered Heterocycles. <i>Symmetry</i> , 2022, 14, 145. | 1.1 | 1 |