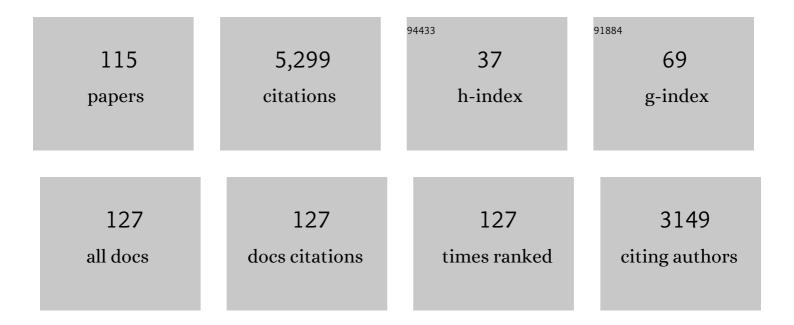
List of Publications by Year in descending order

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Ευπνώρ Ματιτο

| # | Article | IF | CITATIONS |
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| 1 | The aromatic fluctuation index (FLU): A new aromaticity index based on electron delocalization. Journal of Chemical Physics, 2005, 122, 014109. | 3.0 | 396 |
| 2 | Quantifying aromaticity with electron delocalisation measures. Chemical Society Reviews, 2015, 44, 6434-6451. | 38.1 | 335 |
| 3 | On the performance of some aromaticity indices: A critical assessment using a test set. Journal of Computational Chemistry, 2008, 29, 1543-1554. | 3.3 | 261 |
| 4 | Electron sharing indexes at the correlated level. Application to aromaticity calculations. Faraday Discussions, 2007, 135, 325-345. | 3.2 | 203 |
| 5 | Comparison of the AIM Delocalization Index and the Mayer and Fuzzy Atom Bond Orders. Journal of Physical Chemistry A, 2005, 109, 9904-9910. | 2.5 | 169 |
| 6 | Nucleus-independent chemical shift (NICS) profiles in a series of monocyclic planar inorganic compounds. Journal of Organometallic Chemistry, 2006, 691, 4359-4366. | 1.8 | 155 |
| 7 | The role of electronic delocalization in transition metal complexes from the electron localization function and the quantum theory of atoms in molecules viewpoints. Coordination Chemistry Reviews, 2009, 253, 647-665. | 18.8 | 141 |
| 8 | Electron localization function at the correlated level. Journal of Chemical Physics, 2006, 125, 024301. | 3.0 | 135 |
| 9 | Properties of Aromaticity Indices Based on the One-Electron Density Matrix. Journal of Physical Chemistry A, 2007, 111, 6521-6525. | 2.5 | 118 |
| 10 | Electron delocalization and aromaticity in low-lying excited states of archetypal organic compounds. Physical Chemistry Chemical Physics, 2011, 13, 20690. | 2.8 | 116 |
| 11 | A Critical Assessment of the Performance of Magnetic and Electronic Indices of Aromaticity. Symmetry, 2010, 2, 1156-1179. | 2.2 | 115 |
| 12 | Electron Localization Function at the Correlated Level: A Natural Orbital Formulation. Journal of Chemical Theory and Computation, 2010, 6, 2736-2742. | 5.3 | 115 |
| 13 | Nine questions on energy decomposition analysis. Journal of Computational Chemistry, 2019, 40, 2248-2283. | 3.3 | 113 |
| 14 | An electronic aromaticity index for large rings. Physical Chemistry Chemical Physics, 2016, 18, 11839-11846. | 2.8 | 110 |
| 15 | Metalloaromaticity. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2013, 3, 105-122. | 14.6 | 105 |
| 16 | Aromaticity of Distorted Benzene Rings:  Exploring the Validity of Different Indicators of Aromaticity. Journal of Physical Chemistry A, 2007, 111, 4513-4521. | 2.5 | 102 |
| 17 | New electron delocalization tools to describe the aromaticity in porphyrinoids. Physical Chemistry Chemical Physics, 2018, 20, 2787-2796. | 2.8 | 86 |
| 18 | Separation of dynamic and nondynamic correlation. Physical Chemistry Chemical Physics, 2016, 18, 24015-24023. | 2.8 | 85 |

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| 19 | A Test to Evaluate the Performance of Aromaticity Descriptors in All-Metal and Semimetal Clusters. An Appraisal of Electronic and Magnetic Indicators of Aromaticity. Journal of Chemical Theory and Computation, 2010, 6, 1118-1130. | 5.3 | 84 |
| 20 | Aromaticity Measures from Fuzzy-Atom Bond Orders (FBO). The Aromatic Fluctuation (FLU) and the para-Delocalization (PDI) Indexes. Journal of Physical Chemistry A, 2006, 110, 5108-5113. | 2.5 | 76 |
| 21 | New Solids Based on B ₁₂ N ₁₂ Fullerenes. Journal of Physical Chemistry C, 2007, 111, 13354-13360. | 3.1 | 72 |
| 22 | On the existence and characterization of molecular electrides. Chemical Communications, 2015, 51, 4865-4868. | 4.1 | 68 |
| 23 | An analysis of the changes in aromaticity and planarity along the reaction path of the simplest Diels–Alder reaction. Exploring the validity of different indicators of aromaticity. Computational and Theoretical Chemistry, 2005, 727, 165-171. | 1.5 | 59 |
| 24 | Allâ€Metal Antiaromaticity in Sb ₄ â€Type Lanthanocene Anions. Angewandte Chemie - International Edition, 2016, 55, 5531-5535. | 13.8 | 59 |
| 25 | Performance of DFT functionals for calculating the second-order nonlinear optical properties of dipolar merocyanines. Physical Chemistry Chemical Physics, 2020, 22, 16579-16594. | 2.8 | 58 |
| 26 | Aromaticity and electronic delocalization in all-metal clusters with single, double, and triple aromatic character. Theoretical Chemistry Accounts, 2011, 128, 419-431. | 1.4 | 57 |
| 27 | Peculiar Allâ€Metal Ïfâ€Aromaticity of the [Au ₂ Sb ₁₆] ^{4â^'} Anion in the Solid State. Angewandte Chemie - International Edition, 2016, 55, 15344-15346. | 13.8 | 52 |
| 28 | Toward a Unique Definition of the Local Spin. Journal of Chemical Theory and Computation, 2012, 8, 1270-1279. | 5.3 | 51 |
| 29 | Local Descriptors of Dynamic and Nondynamic Correlation. Journal of Chemical Theory and Computation, 2017, 13, 2705-2711. | 5.3 | 51 |
| 30 | Electron delocalization and aromaticity measures within the Hückel molecular orbital method. Computational and Theoretical Chemistry, 2007, 811, 3-11. | 1.5 | 46 |
| 31 | Electron Fluctuation in Pericyclic and Pseudopericyclic Reactions. ChemPhysChem, 2006, 7, 111-113. | 2.1 | 45 |
| 32 | Scalar and Spinâ^'Orbit Relativistic Corrections to the NICS and the Induced Magnetic Field: The case of the E ₁₂ ^{2â^'} Spherenes (E = Ge, Sn, Pb). Journal of Chemical Theory and Computation, 2010, 6, 2701-2705. | 5.3 | 44 |
| 33 | OO Bond Formation Mediated by a Hexanuclear Iron Complex Supported on a Stannoxane Core. Chemistry - A European Journal, 2012, 18, 2787-2791. | 3.3 | 44 |
| 34 | Tuning aromaticity in trigonal alkaline earth metal clusters and their alkali metal salts. Journal of Computational Chemistry, 2009, 30, 2764-2776. | 3.3 | 43 |
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| 37 | Using Electronic Energy Derivative Information in Automated Potential Energy Surface Construction for Vibrational Calculations. Journal of Chemical Theory and Computation, 2010, 6, 3162-3175. | 5.3 | 39 |
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| 39 | Patterns of ï€-electron delocalization in aromatic and antiaromatic organic compounds in the light of Hückel's 4n + 2 rule. Physical Chemistry Chemical Physics, 2010, 12, 7126. | 2.8 | 38 |
| 40 | How Aromatic Are Molecular Nanorings? The Case of a Sixâ€Porphyrin Nanoring**. Angewandte Chemie - International Edition, 2021, 60, 24080-24088. | 13.8 | 38 |
| 41 | A theoretical study of the aromaticity in neutral and anionic borole compounds. Dalton Transactions, 2015, 44, 6740-6747. | 3.3 | 37 |
| 42 | Comprehensive benchmarking of density matrix functional approximations. Physical Chemistry Chemical Physics, 2017, 19, 24029-24041. | 2.8 | 37 |
| 43 | Performance of 3Dâ€spaceâ€based atomsâ€inâ€molecules methods for electronic delocalization aromaticity indices. Journal of Computational Chemistry, 2011, 32, 386-395. | 3.3 | 36 |
| 44 | The aromaticity of dicupra[10]annulenes. Physical Chemistry Chemical Physics, 2017, 19, 9669-9675. | 2.8 | 33 |
| 45 | Overcoming the Failure of Correlation for Out-of-Plane Motions in a Simple Aromatic: Rovibrational Quantum Chemical Analysis of <i>c</i> -C ₃ H ₂ . Journal of Chemical Theory and Computation, 2018, 14, 2155-2164. | 5.3 | 33 |
| 46 | Properties of harmonium atoms from FCI calculations: Calibration and benchmarks for the ground state of the two-electron species. Physical Chemistry Chemical Physics, 2010, 12, 6712. | 2.8 | 31 |
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| 52 | Vibrational coupled cluster theory with full two-mode and approximate three-mode couplings: The VCC[2pt3] model. Journal of Chemical Physics, 2009, 131, 034115. | 3.0 | 29 |
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| 61 | Choosing Bad versus Worse: Predictions of Two-Photon-Absorption Strengths Based on Popular Density Functional Approximations. Journal of Chemical Theory and Computation, 2022, 18, 1046-1060. | 5.3 | 26 |
| 62 | Performance of PNOF5 Natural Orbital Functional for Radical Formation Reactions: Hydrogen Atom Abstraction and C–C and O–O Homolytic Bond Cleavage in Selected Molecules. Journal of Chemical Theory and Computation, 2012, 8, 2646-2652. | 5.3 | 24 |
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| 64 | Calculation of local spins for correlated wave functions. Physical Chemistry Chemical Physics, 2010, 12, 11308. | 2.8 | 22 |
| 65 | All-metal σ-antiaromaticity in dimeric cluster anion {[CuGe ₉ Mes] ₂ } ^{4â^'} . Chemical Communications, 2020, 56, 6583-6586. | 4.1 | 22 |
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| 67 | H4: A challenging system for natural orbital functional approximations. Journal of Chemical Physics, 2015, 143, 164112. | 3.0 | 21 |
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| 71 | Exploring the Potential Energy Surface of E ₂ P ₄ Clusters (E=Groupâ€13 Element): The Quest for Inverse Carbonâ€Free Sandwiches. Chemistry - A European Journal, 2014, 20, 4583-4590. | 3.3 | 19 |
| 72 | Peculiar Allâ€Metal Ïfâ€Aromaticity of the [Au ₂ Sb ₁₆] ^{4â^'} Anion in the Solid State. Angewandte Chemie, 2016, 128, 15570-15572. | 2.0 | 19 |

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| 73 | Molecular structures of M2N22â^' (M and N = B, Al, and Ga) clusters using the gradient embedded genetic algorithm. Physical Chemistry Chemical Physics, 2012, 14, 14850. | 2.8 | 18 |
| 74 | Transitionâ€Metal Ï€â€Ligation of a Tetrahalodiborane. Angewandte Chemie - International Edition, 2018, 57, 412-416. | 13.8 | 18 |
| 75 | Comment on the "Nature of Bonding in the Thermal Cyclization of (Z)-1,2,4,6-Heptatetraene and Its Heterosubstituted Analogues― Journal of Physical Chemistry B, 2005, 109, 7591-7593. | 2.6 | 17 |
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| 79 | Guidelines for Tuning the Excited State Hückel–Baird Hybrid Aromatic Character of Proâ€Aromatic Quinoidal Compounds**. Angewandte Chemie - International Edition, 2021, 60, 10255-10265. | 13.8 | 17 |
| 80 | Tuning the affinity of catechols and salicylic acids towards Al(<scp>iii</scp>): characterization of Al–chelator interactions. Dalton Transactions, 2018, 47, 9592-9607. | 3.3 | 14 |
| 81 | Impact of van der Waals interactions on the structural and nonlinear optical properties of azobenzene switches. Physical Chemistry Chemical Physics, 2021, 23, 21227-21239. | 2.8 | 14 |
| 82 | Bonding description of the Harpoon mechanism. Molecular Physics, 2016, 114, 1345-1355. | 1.7 | 13 |
| 83 | Electron correlation effects in third-order densities. Physical Chemistry Chemical Physics, 2017, 19, 4522-4529. | 2.8 | 13 |
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| 85 | Note: The weak-correlation limit of the three-electron harmonium atom. Journal of Chemical Physics, 2011, 134, 116101. | 3.0 | 12 |
| 86 | How Reliable Are Modern Density Functional Approximations to Simulate Vibrational Spectroscopies?. Journal of Physical Chemistry Letters, 2022, 13, 5963-5968. | 4.6 | 12 |
| 87 | Allâ€Metal Antiaromaticity in Sb ₄ â€Type Lanthanocene Anions. Angewandte Chemie, 2016, 128, 5621-5625. | 2.0 | 11 |
| 88 | Salient signature of van der Waals interactions. Physical Review A, 2017, 96, . | 2.5 | 10 |
| 89 | Benchmark calculations of metal carbonyl cations: relativistic vs. electron correlation effects. Physical Chemistry Chemical Physics, 2013, 15, 20080. | 2.8 | 9 |
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| 93 | Reply to the Correspondence on "How Aromatic Are Molecular Nanorings? The Case of a Sixâ€₽orphyrin Nanoringâ€**. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 8 |
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| 103 | The Coulomb Hole of the Ne Atom. ChemistryOpen, 2019, 8, 411-417. | 1.9 | 6 |
| 104 | The electron-pair density distribution of the ^{1,3} Î _{<i>u</i>} excited states of H ₂ . Canadian Journal of Chemistry, 2016, 94, 998-1001. | 1.1 | 5 |
| 105 | Partition of optical properties into orbital contributions. Physical Chemistry Chemical Physics, 2019, 21, 15380-15391. | 2.8 | 5 |
| 106 | Aromaticity and Chemical Reactivity. , 2009, , . | | 5 |
| 107 | Guidelines for Tuning the Excited State HÃ1⁄4ckel–Baird Hybrid Aromatic Character of Proâ€Aromatic Quinoidal Compounds**. Angewandte Chemie, 2021, 133, 10343-10353. | 2.0 | 3 |
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| 109 | Comment to â€~A new population analysis: Dipole-moment-conserving charge-set' by H. Sato, S. Skaki [Chem. Phys. Lett. 434 (2007) 165]. Chemical Physics Letters, 2008, 451, 169-170. | 2.6 | 0 |
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Editorial [Hot Topic: Electron Delocalization in Organic Chemistry (Guest Editors: Dr. Eduard Matito) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5

| 111 | Exploring the Potential Energy Surface of E2P4Clusters (E=Groupâ€13 Element): The Quest for Inverse Carbon-Free Sandwiches. Chemistry - A European Journal, 2014, 20, 4497-4497. | 3.3 | 0 |
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| 112 | Frontispiece: The Electronic Structure of the Al3â^'Anion: Is it Aromatic?. Chemistry - A European Journal, 2015, 21, n/a-n/a. | 3.3 | 0 |
| 113 | Frontispiece: How Aromatic Are Molecular Nanorings? The Case of a Sixâ€Porphyrin Nanoring. Angewandte Chemie - International Edition, 2021, 60, . | 13.8 | 0 |
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| 115 | Reply to the Correspondence on "How Aromatic Are Molecular Nanorings? The Case of a Sixâ€Porphyrin Nanoringâ€**. Angewandte Chemie, 0, , . | 2.0 | 0 |