# Irena Majerz

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/502004/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 48 papers | 802 citations | 687363 13 h-index | 501196 28 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 1115 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Theoretical Study of the Geometry of Dibenzoazepine Analogues. Molecules, 2022, 27, 790. | 3.8 | 0 |
| 2 | Analysis of Weak Interactions in Crystals of Fenamic Acidsâ€“Ethacridine Complexes. Crystal Growth and Design, 2022, 22, 1554-1570. | 3.0 | 0 |
| 3 | Theoretical Studies on the Structure and Intramolecular Interactions of Fagopyrinsâ€”Natural Photosensitizers of Fagopyrum. Molecules, 2022, 27, 3689. | 3.8 | 6 |
| 4 | Effect of Substitution of Hydrogen Atoms in the Molecules of Anthrone and Anthraquinone. Molecules, 2021, 26, 502. | 3.8 | 4 |
| 5 | In Silico Studies on Sennidinesâ€”Natural Dianthrones from Senna. Biology, 2021, 10, 468. | 2.8 | 2 |
| 6 | The Crystal Structure and Intermolecular Interactions in Fenamic Acidsâ€“Acridine Complexes. Molecules, 2021, 26, 2956. | 3.8 | 4 |
| 7 | Electrochemical Behaviour of Selected Fenamate NSAIDs at PNAANI Modified Glassy Carbon Electrode. Journal of the Electrochemical Society, 2021, 168, 106504. | 2.9 | 1 |
| 8 | Novel Coordination Mode in the Potassium Mefenamate Trihydrate Polymeric Structure. Symmetry, 2021, 13, 1761. | 2.2 | 0 |
| 9 | Substituent effect on inter-ring interaction in paracyclophanes. Molecular Diversity, 2020, 24, 11-20. | 3.9 | 8 |
| 10 | Geometry and electron density of phenothazines. Journal of Molecular Structure, 2020, 1200, 127095. | 3.6 | 7 |
| 11 | What Is the Main Feature Distinguishing the Through-Space Interactions in Cyclophanes from Their Aliphatic Analogues?. ACS Omega, 2020, 5, 22314-22324. | 3.5 | 2 |
| 12 | Aromaticity and Electron Density of Hypericin. Journal of Natural Products, 2019, 82, 2106-2115. | 3.0 | 7 |
| 13 | The Naâ€”O bond in sodium fenamate. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 766-774. | 1.1 | 4 |
| 14 | Aromaticity of benzene derivatives: an exploration of the Cambridge Structural Database. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 148-151. | 1.1 | 4 |
| 15 | Weak interactions in furan dimers. Journal of Computer-Aided Molecular Design, 2018, 32, 1247-1258. | 2.9 | 5 |
| 16 | Aromaticity of peri- and para-Substituted Naphthalene-1-carbaldehyde. Comparison with 1-Nitronaphthalene. Journal of Physical Chemistry A, 2017, 121, 2627-2635. | 2.5 | 2 |
| 17 | Proton Transfer Influence on Geometry and Electron Density in Benzoic Acidâ€“Pyridine Complexes. Helvetica Chimica Acta, 2016, 99, 286-295. | 1.6 | 3 |
| 18 | Aromaticity and Through-Space Interaction between Aromatic Rings in [2.2]Paracyclophanes. Journal of Physical Chemistry A, 2016, 120, 8138-8147. | 2.5 | 18 |

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|---|---|---|---|
| 19 | The Crystal Structure and Behavior of Fenamic Acid-Acridine Complex Under High Pressure. Journal of Pharmaceutical Sciences, 2016, 105, 3487-3495. | 3.3 | 3 |
| 20 | Flexible ferroelectric organic crystals. Nature Communications, 2016, 7, 13108. | 12.8 | 182 |
| 21 | Intermolecular OHN hydrogen bond with a proton moving in 3-methylpyridinium 2,6-dichloro-4-nitrophenolate. RSC Advances, 2015, 5, 95576-95584. | 3.6 | 7 |
| 22 | Proton vibrations in 2,4,6-trimethylpyridinium pentachlorophenolate. Chemical Physics Letters, 2014, 608, 289-294. | 2.6 | 0 |
| 23 | Substituents and Environment Influences on Aromaticity of peri- and para-Substituted Naphthalenes. Journal of Physical Chemistry A, 2014, 118, 7118-7129. | 2.5 | 4 |
| 24 | Weak hydrogen and dihydrogen bonds instead of strong Nâ€“Hâ‹¯O bonds of a tricyclic [1,2,4,5]-tetrazine derivative. Single-crystal X-ray diffraction, theoretical calculations and Hirshfeld surface analysis. CrystEngComm, 2014, 16, 7638-7648. | 2.6 | 16 |
| 25 | Proton-transfer paths in CHâ‹¯O hydrogen bonds. RSC Advances, 2012, 2, 2545. | 3.6 | 4 |
| 26 | Directionality of Inter- and Intramolecular OHO Hydrogen Bonds: DFT Study Followed by AIM and NBO Analysis. Journal of Physical Chemistry A, 2012, 116, 7992-8000. | 2.5 | 25 |
| 27 | Aromaticity of Overcrowded Nitroanilines. Journal of Physical Chemistry A, 2012, 116, 5629-5636. | 2.5 | 8 |
| 28 | Peculiarities of quasi-aromatic hydrogen bonding. RSC Advances, 2012, 2, 8135. | 3.6 | 30 |
| 29 | Mechanism of proton transfer in the strong OHN intermolecular hydrogen bond. RSC Advances, 2011, 1, 219. | 3.6 | 15 |
| 30 | The influence of potassium cation on a strong OHO hydrogen bond. Organic and Biomolecular Chemistry, 2011, 9, 1466. | 2.8 | 6 |
| 31 | Geometric Aspects of Aromaticity: Interrelations between Intramolecular Hydrogen Bonds, Steric Effects and Ï€â€Electron Delocalisation in Nitroanilines. European Journal of Organic Chemistry, 2011, 2011, 280-286. | 2.4 | 9 |
| 32 | The influence of the OHO angle on the proton valency in inter- and intra-molecular hydrogen bonds. Journal of Molecular Structure, 2010, 968, 48-51. | 3.6 | 6 |
| 33 | Analysis of potential energy curve for proton motion in intermolecular hydrogen bond. Chemical Physics Letters, 2010, 484, 134-138. | 2.6 | 1 |
| 34 | Comparison of the proton-transfer paths in hydrogen bonds from theoretical potential-energy surfaces and the concept of conservation of bond order III. Oâ€“Hâ€“O hydrogen bonds. Physical Chemistry Chemical Physics, 2010, 12, 5462. | 2.8 | 14 |
| 35 | DFT Studies of the Structure and Vibrational Spectra of NH Tautomers of trans-N,Nâ€²-bisâ€“Salicylidene-1â€²,2â€²-cyclohexanediamines. Spectroscopy Letters, 2009, 42, 246-257. | 1.0 | 2 |
| 36 | Changes of electron density in the OHN hydrogen bond upon proton transfer in complexes of phenols with trimethylamine: DFT study. Journal of Physical Organic Chemistry, 2008, 21, 867-875. | 1.9 | 8 |

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|---|---|---|---|
| 37 | Does the fiveâ€member hydrogen bond ring in quinoline carboxamides exist?. Journal of Physical Organic Chemistry, 2008, 21, 876-880. | 1.9 | 8 |
| 38 | Temperature-Dependent Single-Crystal Neutron Diffraction Study of the Strong OHN Hydrogen Bond in Pyridinium 2,4-Dinitrobenzoate. Journal of Physical Chemistry A, 2008, 112, 9801-9806. | 2.5 | 14 |
| 39 | The shape of the potential energy curves for NHN+ hydrogen bonds and the influence of non-linearity. Physical Chemistry Chemical Physics, 2008, 10, 3043. | 2.8 | 16 |
| 40 | The strong OHO hydrogen bond. How much covalency?. Molecular Physics, 2007, 105, 2305-2314. | 1.7 | 7 |
| 41 | The influence of hydrogen bond formation and the proton transfer on the structure of complexes of phenols with N-methylmorpholine. Journal of Molecular Structure, 2007, 831, 106-113. | 3.6 | 20 |
| 42 | Comparison of the proton-transfer path in hydrogen bonds from theoretical potential-energy surfaces and the concept of conservation of bond order. II. (Nâ€”H...N)<sup>+</sup> hydrogen bonds. Acta Crystallographica Section B: Structural Science, 2007, 63, 650-662. | 1.8 | 16 |
| 43 | Structural modifications resulting from proton transfer in complexes of phenols with pyridine. Journal of Physical Organic Chemistry, 2005, 18, 833-843. | 1.9 | 7 |
| 44 | Anomalous temperature effect on the hydrogen bond strength and phase transition in 2,4,6-trimethylpyridinium pentachlorophenolate.. Journal of Molecular Structure, 2004, 694, 45-53. | 3.6 | 1 |
| 45 | Structural consequences of proton transfer in some selected complexes of phenol derivatives with trimethylamine. Chemical Physics Letters, 2004, 398, 130-139. | 2.6 | 12 |
| 46 | First Oâ^'Hâ^'N Hydrogen Bond with a Centered Proton Obtained by Thermally Induced Proton Migration. Angewandte Chemie - International Edition, 2001, 40, 2651-2654. | 13.8 | 218 |
| 47 | Neutron diffraction study of a very short Oâ€“Hâ€¥N hydrogen bond: crystalline adduct of 2-methylpyridine and pentachlorophenol. Chemical Communications, 2000, , 1231-1232. | 4.1 | 41 |
| 48 | Structure and IR spectroscopic behaviour of 2,7-dichloro-1,8-bis(dimethylamino)naphthalene and its protonated form. Journal of Physical Organic Chemistry, 1999, 12, 895-900. | 1.9 | 25 |