

# Arseniy A Otlyotov

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	DFT Study of the Molecular and Electronic Structure of Metal-Free Tetrabenzoporphyrin and Its Metal Complexes with Zn, Cd, Al, Ga, In. <i>International Journal of Molecular Sciences</i> , 2022, 23, 939.	4.1	17
2	1,8-Bis(phenylethynyl)anthracene – gas and solid phase structures. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8893-8905.	2.8	12
3	DFT Study of Molecular and Electronic Structure of Ca(II) and Zn(II) Complexes with Porphyrine and tetrakis(1,2,5-thiadiazole)porphyrine. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2923.	4.1	11
4	Gas-phase structure of 1,8-bis[(trimethylsilyl)ethynyl]anthracene: cog-wheel-type vs. independent internal rotation and influence of dispersion interactions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13093-13100.	2.8	10
5	Nitroxoline Molecule: Planar or Not? A Story of Battle between $\pi$ Conjugation and Interatomic Repulsion. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1691-1701.	2.5	7
6	The effect of molecular dynamics sampling on the calculated observable gas-phase structures. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18237-18245.	2.8	5
7	Ligand Coordination in Bis( $\beta^2$ -diketonato) d Metals: The Mn(II) Case of $D_{2h}$ versus $D_{2d}$ Symmetry. <i>Inorganic Chemistry</i> , 2019, 58, 4344-4349.	4.0	5
8	Gas-phase structures of hemiporphyrine and dicarbahemiporphyrine: Key role of interactions inside coordination cavity. <i>Journal of Molecular Structure</i> , 2019, 1184, 576-582.	3.6	5
9	Molecular structure of cobalt(II) etioporphyrin-II determined by combined gas-phase electron diffraction/mass-spectrometry and quantum chemical calculations: Searching a ruffling and saddling effects. <i>Journal of Molecular Structure</i> , 2020, 1216, 128319.	3.6	4
10	Molecular Structure of Nickel Octamethylporphyrin – Rare Experimental Evidence of a Ruffling Effect in Gas Phase. <i>International Journal of Molecular Sciences</i> , 2022, 23, 320.	4.1	4
11	Molecular Structure of Pyrazinamide: A Critical Assessment of Modern Gas Electron Diffraction Data from Three Laboratories. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5204-5211.	2.5	3
12	Complexes of Ca(II), Ni(II) and Zn(II) with Hemi- and Dicarbahemiporphyrines: Molecular Structure and Features of Metal-Ligand Bonding. <i>Macrocyclic Chemistry</i> , 2021, 14, 119-129.	0.5	3
13	Hemihexaphyrine and Thiadiazole Annulated Hemihexaphyrine: A Theoretical Insight into Aromaticity and Energetics of Hydrogen Bonding. <i>Macrocyclic Chemistry</i> , 2019, 12, 209-214.	0.5	3
14	Molecular structure of 5,10,15,20-tetrakis(4-fluorophenyl)porphyrin by combined gas-phase electron diffraction/mass spectrometry experiment and DFT calculations. <i>Journal of Molecular Structure</i> , 2020, 1221, 128662.	3.6	2
15	$\text{In Vitro}$ and $\text{In Vivo}$ Diagnostic Check for the Thermochemistry of Metal-Organic Compounds. <i>Inorganic Chemistry</i> , 2022, 61, 10743-10755.	4.0	2
16	Intramolecular Hydrogen Bonding and Electronic Structure of Thiadiazole Annulated Hemihexaphyrine. <i>Macrocyclic Chemistry</i> , 2018, 11, 67-72.	0.5	0
17	DFT STUDY OF MOLECULAR STRUCTURE OF 5,10,15,20-TETRAKIS(4-HALOGENOPHENYL)PORPHYRINS AND THEIR ISOMERS. <i>ChemChemTech</i> , 2019, 63, 51-57.	0.3	0