Yevgen P Yurenko

List of Publications by Year
in descending order

22	899	516710 16	713466 21
papers	citations	h-index	g-index

22	22	22	624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intermolecular CHÂ·Â·Â·O/N H-bonds in the biologically important pairs of natural nucleobases: a thorough quantum-chemical study. Journal of Biomolecular Structure and Dynamics, 2014, 32, 993-1022.	3.5	122
2	Intramolecular CHâ€¦O Hydrogen Bonds in the AI and BI DNA-like Conformers of Canonical Nucleosides and their Watson-Crick Pairs. Quantum Chemical and AIM Analysis. Journal of Biomolecular Structure and Dynamics, 2011, 29, 51-65.	3.5	92
3	The significant role of the intermolecular CHâ‹¯O/N hydrogen bonds in governing the biologically important pairs of the DNA and RNA modified bases: a comprehensive theoretical investigation. Journal of Biomolecular Structure and Dynamics, 2015, 33, 1624-1652.	3.5	80
4	Can DNA-binding proteins of replisome tautomerize nucleotide bases?Ab initiomodel study. Journal of Biomolecular Structure and Dynamics, 2012, 29, 1101-1109.	3.5	67
5	Exploring non-covalent interactions in guanine- and xanthine-based model DNA quadruplex structures: a comprehensive quantum chemical approach. Physical Chemistry Chemical Physics, 2014, 16, 2072-2084.	2.8	62
6	How Many Conformers Determine the Thymidine Low-Temperature Matrix Infrared Spectrum? DFT and MP2 Quantum Chemical Study. Journal of Physical Chemistry B, 2007, 111, 9655-9663.	2.6	60
7	Tautomeric Equilibrium of Uracil and Thymine in Model Proteinâ‹¯Nucleic Acid Contacts. Spectroscopic and Quantum Chemical Approach. Journal of Physical Chemistry B, 2010, 114, 1454-1461.	2.6	59
8	Ab Initio Comprehensive Conformational Analysis of 2â€²-Deoxyuridine, the Biologically Significant DNA Minor Nucleoside, and Reconstruction of Its Low-Temperature Matrix Infrared Spectrum. Journal of Physical Chemistry B, 2008, 112, 1240-1250.	2.6	57
9	The whole of intramolecular H-bonding in the isolated DNA nucleoside thymidine. AIM electron density topological study. Chemical Physics Letters, 2007, 447, 140-146.	2.6	52
10	Comprehensive Conformational Analysis of the Nucleoside Analogue 2â€²-Î²-Deoxy-6-azacytidine by DFT and MP2 Calculations. Journal of Physical Chemistry B, 2007, 111, 6263-6271.	2.6	50
11	Complete conformational space of the potential HIV-1 reverse transcriptase inhibitors d4U and d4C. A quantum chemical study. Physical Chemistry Chemical Physics, 2012, 14, 6787.	2.8	50
12	Structural and energetic properties of the potential HIV-1 reverse transcriptase inhibitors d4A and d4G: a comprehensive theoretical investigation. Journal of Biomolecular Structure and Dynamics, 2014, 32, 730-740.	3.5	31
13	Mutations at hypothetical binding site 2 in insulin and insulin-like growth factors 1 and 2 result in receptor- and hormone-specific responses. Journal of Biological Chemistry, 2019, 294, 17371-17382.	3.4	21
14	Nucleic Acid Quadruplexes Based on 8-Halo-9-deazaxanthines: Energetics and Noncovalent Interactions in Quadruplex Stems. Journal of Chemical Theory and Computation, 2014, 10, 5353-5365.	5.3	19
15	Tailoring the properties of quadruplex nucleobases for biological and nanomaterial applications. Physical Chemistry Chemical Physics, 2014, 16, 15241-15248.	2.8	18
16	Anionâ€“Ï€ Interactions in Flavoproteins Involve a Substantial Chargeâ€Transfer Component. Chemistry - A European Journal, 2017, 23, 3246-3250.	3.3	17
17	Designing a New Class of Bases for Nucleic Acid Quadruplexes and Quadruplexâ€Active Ligands. Chemistry - A European Journal, 2015, 21, 9414-9425.	3.3	14
18	Weak Supramolecular Interactions Governing Parallel and Antiparallel DNA Quadruplexes: Insights from Largeâ€Scale Quantum Mechanics Analysis of Experimentally Derived Models. Chemistry - A European Journal, 2017, 23, 5573-5584.	3.3	9

#	Article	IF	Citations
19	Substituting CF₂ for O4â€² in Components of Nucleic Acids: Towards Systems with Reduced Propensity to Form Abasic Lesions. Chemistry - A European Journal, 2015, 21, 17933-17943.	3.3	7
20	Nucleotides containing variously modified sugars: energetics, structure, and mechanical properties. Physical Chemistry Chemical Physics, 2016, 18, 1615-1628.	2.8	6
21	Conformational Landscape of the Nucleoside Reverse Transcriptase Inhibitor d4T: a Comprehensive Quantum-Chemical Approach. Current Physical Chemistry, 2013, 3, 83-92.	0.2	6
22	Frontispiece: Anionâ€“Ï€ Interactions in Flavoproteins Involve a Substantial Chargeâ€Transfer Component. Chemistry - A European Journal, 2017, 23, .	3.3	0