Boleslaw T Karwowski

List of Publications by Year
in descending order

36 papers	538 citations	840585 11 h-index	677027 22 g-index
36 all docs	36 docs citations	36 times ranked	617 citing authors

#	Article	IF	Citations
1	Two Faces of Vitamin Câ€"Antioxidative and Pro-Oxidative Agent. Nutrients, 2020, 12, 1501.	1.7	169
2	The Similarities between Human Mitochondria and Bacteria in the Context of Structure, Genome, and Base Excision Repair System. Molecules, 2020, 25, 2857.	1.7	49
3	8-Oxo-7,8-Dihydro-2â€²-Deoxyguanosine (8-oxodG) and 8-Hydroxy-2â€²-Deoxyguanosine (8-OHdG) as a Potential Biomarker for Gestational Diabetes Mellitus (GDM) Development. Molecules, 2020, 25, 202.	1.7	47
4	Actual state of knowledge in the field of diseases related with defective nucleotide excision repair. Life Sciences, 2018, 195, 6-18.	2.0	26
5	Review: immunoassays in DNA damage and instability detection. Cellular and Molecular Life Sciences, 2019, 76, 4689-4704.	2.4	25
6	The role of AMPK in metabolism and its influence on DNA damage repair. Molecular Biology Reports, 2020, 47, 9075-9086.	1.0	25
7	The Clustered DNA Lesions â€" Types, Pathways of Repair and Relevance to Human Health. Current Medicinal Chemistry, 2018, 25, 2722-2735.	1.2	24
8	Nutrition Can Help DNA Repair in the Case of Aging. Nutrients, 2020, 12, 3364.	1.7	22
9	DNA Interaction Studies of Selected Polyamine Conjugates. International Journal of Molecular Sciences, 2016, 17, 1560.	1.8	15
10	The Influence of (5â€²R)- and (5â€²S)-5â€²,8-Cyclo-2â€²-Deoxyadenosine on UDG and hAPE1 Activity. Tandem Lesions are the Base Excision Repair Systemâ€™s Nightmare. Cells, 2019, 8, 1303.	1.8	15
11	Effects of (5â€²S)-5â€²,8-cyclo-2â€²-deoxyadenosine on the base excision repair of oxidatively generated clustered DNA damage. A biochemical and theoretical study. Organic and Biomolecular Chemistry, 2014, 12, 8671-8682.	1.5	14
12	The influence of phosphorothioate on charge migration in single and double stranded DNA: a theoretical approach. Physical Chemistry Chemical Physics, 2015, 17, 21507-21516.	1.3	11
13	Effect of (5â€²S)-5â€²,8-cyclo-2â€²-deoxyadenosine on the conformation of di and trinucleotides. A NMR and DFT study. Organic and Biomolecular Chemistry, 2008, 6, 3408.	1.5	10
14	Synthesis, Biological Activity and Preliminary in Silico ADMET Screening of Polyamine Conjugates with Bicyclic Systems. Molecules, 2017, 22, 794.	1.7	10
15	The AT Interstrand Cross-Link: Structure, Electronic Properties, and Influence on Charge Transfer in dsDNA. Molecular Therapy - Nucleic Acids, 2018, 13, 665-685.	2.3	10
16	The role of (5â€²R) and (5â€²S) 5â€²,8-cyclo-2â€²-deoxyadenosine in ds-DNA structure. Computational and Theoretical Chemistry, 2013, 1010, 38-44.	1.1	8
17	How (5â€²S) and (5â€²R) 5â€²,8-Cyclo-2â€²-Deoxypurines Affect Base Excision Repair of Clustered DNA Damage in Nuclear Extracts of xrs5 Cells? A Biochemical Study. Cells, 2021, 10, 725.	1.8	8
18	Formation of 5â€²,8-cyclo-2â€²-deoxyadenosine in single strand DNA. Theoretical quantum mechanics study. Organic and Biomolecular Chemistry, 2010, 8, 1603.	1.5	7

#	Article	IF	Citations
19	The Influence of Single, Tandem, and Clustered DNA Damage on the Electronic Properties of the Double Helix: A Theoretical Study. Molecules, 2020, 25, 3126.	1.7	7
20	5',8-Cyclo-2'-deoxyadenosine (cdA) formation by gamma-radiation. Theoretical quantum mechanics study.. Acta Biochimica Polonica, 2009, 56, .	0.3	6
21	Ionisation potential and electron affinity of free 5â€²,8-cyclopurine-2â€²-deoxynucleosides. DFT study in gaseous and aqueous phase. Open Chemistry, 2010, 8, 70-76.	1.0	4
22	The cytotoxic effect of Ru(II) complexes with 5-(2-hydroxyphenyl)-3-methyl-1-(2-pyridyl)-1H-pyrazole-4-carboxylic acid methyl ester: Synthesis, X-ray structure and DNA damage potential. Polyhedron, 2019, 169, 228-238.	1.0	4
23	(5â€²S) 5â€²,8-Cyclo-2â€²-Deoxyadenosine Cannot Stop BER. Clustered DNA Lesion Studies. International Journal of Molecular Sciences, 2021, 22, 5934.	1.8	3
24	5',8-Cyclo-2'-deoxyadenosine (cdA) formation by gamma-radiation. Theoretical quantum mechanics study. Acta Biochimica Polonica, 2009, 56, 655-62.	0.3	3
25	The difference in stability between 5â€²R and 5â€²S diastereomers of 5â€²,8-cyclopurine-2â€²-deoxynucleosides. DFT study in gaseous and aqueous phase. Open Chemistry, 2010, 8, 134-141.	1.0	2
26	The Influence of the Terminal Phosphorothioate Diester Bond on the DNA Oxidation Process. An Experimental and Theoretical Approach. Molecules, 2015, 20, 12400-12411.	1.7	2
27	Clustered DNA Damage: Electronic Properties and Their Influence on Charge Transfer. 7,8-Dihydro-8-Oxo-2â€²-Deoxyguaosine Versus 5â€²,8-Cyclo-2â€²-Deoxyadenosines: A Theoretical Approach. Cells, 2020, 9, 424.	1.8	2
28	The Influence of 5â€²R and 5â€²S cdA and cdG on the Activity of BsmAI and SspI Restriction Enzymes. Molecules, 2021, 26, 3750.	1.7	2
29	When UDG and hAPE1 Meet Cyclopurines. How (5â€²R) and (5â€²S) 5â€²,8-Cyclo-2â€²-deoxyadenosine and 5â€²,8-Cyclo-2â€²-deoxyguanosine Affect UDG and hAPE1 Activity?. Molecules, 2021, 26, 5177.	1.7	2
30	The Influence of 5â€²,8-Cyclo-2â€²-deoxypurines on the Mitochondrial Repair of Clustered DNA Damage in Xrs5 Cells: The Preliminary Study. Molecules, 2021, 26, 7042.	1.7	2
31	Effects of 5â€²,8â€²-Cyclo-2â€²-Deoxypurines on the Base Excision Repair of Clustered DNA Lesions in Nuclear Extracts of the XPC Cell Line. Cells, 2021, 10, 3254.	1.8	2
32	The influence of (5â€²R) and (5â€²S)-5â€²,8-cyclo-2â€²-deoxyadenosine for the electronic properties of nucleosides pairs. The theoretical quantum mechanics studies. Open Chemistry, 2013, 11, 1079-1090.	1.0	1
33	8-oxo-7,8-dihydro-2'-deoxyguanosine (8-oxodG) and 8-hydroxy-2'-deoxyguanosine (8-OHdG) as a Cause of Autoimmune Thyroid Diseases (AITD) During Pregnancy?. Yale Journal of Biology and Medicine, 2020, 93, 501-515.	0.2	1
34	The Electronic Property Differences between dA::dG and dA::dGoxo. A Theoretical Approach. Molecules, 2020, 25, 3828.	1.7	0
35	The influence of oxoG on the electronic properties of ds-DNA. Damage versus mismatch: A theoretical approach. Computational Biology and Chemistry, 2021, 92, 107485.	1.1	0
36	The Usefulness of Autoradiography for DNA Repair Proteins Activity Detection in the Cytoplasm towards Radiolabeled Oligonucleotides Containing 5â€²,8-Cyclo-2â€²-deoxyadenosine. Chemosensors, 2022, 10, 204.	1.8	0