

Boleslaw T Karwowski

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Usefulness of Autoradiography for DNA Repair Proteins Activity Detection in the Cytoplasm towards Radiolabeled Oligonucleotides Containing 5 ⁸ -Cyclo-2 ⁸ -deoxyadenosine. <i>Chemosensors</i> , 2022, 10, 204.	1.8	0
2	How (5 ⁸ S) and (5 ⁸ R) 5 ⁸ -Cyclo-2 ⁸ -Deoxypurines Affect Base Excision Repair of Clustered DNA Damage in Nuclear Extracts of xrs5 Cells? A Biochemical Study. <i>Cells</i> , 2021, 10, 725.	1.8	8
3	(5 ⁸ S) 5 ⁸ -Cyclo-2 ⁸ -Deoxyadenosine Cannot Stop BER. Clustered DNA Lesion Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5934.	1.8	3
4	The influence of oxoG on the electronic properties of ds-DNA. Damage versus mismatch: A theoretical approach. <i>Computational Biology and Chemistry</i> , 2021, 92, 107485.	1.1	0
5	The Influence of 5 ⁸ R and 5 ⁸ S cdA and cdG on the Activity of BsmAI and Sspl Restriction Enzymes. <i>Molecules</i> , 2021, 26, 3750.	1.7	2
6	When UDG and hAPE1 Meet Cyclopurines. How (5 ⁸ R) and (5 ⁸ S) 5 ⁸ -Cyclo-2 ⁸ -deoxyadenosine and 5 ⁸ -Cyclo-2 ⁸ -deoxyguanosine Affect UDG and hAPE1 Activity?. <i>Molecules</i> , 2021, 26, 5177.	1.7	2
7	The Influence of 5 ⁸ -Cyclo-2 ⁸ -deoxypurines on the Mitochondrial Repair of Clustered DNA Damage in Xrs5 Cells: The Preliminary Study. <i>Molecules</i> , 2021, 26, 7042.	1.7	2
8	Effects of 5 ⁸ -Cyclo-2 ⁸ -Deoxypurines on the Base Excision Repair of Clustered DNA Lesions in Nuclear Extracts of the XPC Cell Line. <i>Cells</i> , 2021, 10, 3254.	1.8	2
9	The role of AMPK in metabolism and its influence on DNA damage repair. <i>Molecular Biology Reports</i> , 2020, 47, 9075-9086.	1.0	25
10	The Influence of Single, Tandem, and Clustered DNA Damage on the Electronic Properties of the Double Helix: A Theoretical Study. <i>Molecules</i> , 2020, 25, 3126.	1.7	7
11	The Electronic Property Differences between dA::dG and dA::dGoxo. A Theoretical Approach. <i>Molecules</i> , 2020, 25, 3828.	1.7	0
12	Nutrition Can Help DNA Repair in the Case of Aging. <i>Nutrients</i> , 2020, 12, 3364.	1.7	22
13	Two Faces of Vitamin C ² Antioxidative and Pro-Oxidative Agent. <i>Nutrients</i> , 2020, 12, 1501.	1.7	169
14	Clustered DNA Damage: Electronic Properties and Their Influence on Charge Transfer. 7,8-Dihydro-8-Oxo-2 ⁸ -Deoxyguanosine Versus 5 ⁸ -Cyclo-2 ⁸ -Deoxyadenosines: A Theoretical Approach. <i>Cells</i> , 2020, 9, 424.	1.8	2
15	The Similarities between Human Mitochondria and Bacteria in the Context of Structure, Genome, and Base Excision Repair System. <i>Molecules</i> , 2020, 25, 2857.	1.7	49
16	8-Oxo-7,8-Dihydro-2 ⁸ -Deoxyguanosine (8-oxodG) and 8-Hydroxy-2 ⁸ -Deoxyguanosine (8-OHdG) as a Potential Biomarker for Gestational Diabetes Mellitus (GDM) Development. <i>Molecules</i> , 2020, 25, 202.	1.7	47
17	8-oxo-7,8-dihydro-2 ¹ -deoxyguanosine (8-oxodG) and 8-hydroxy-2 ¹ -deoxyguanosine (8-OHdG) as a Cause of Autoimmune Thyroid Diseases (AITD) During Pregnancy?. <i>Yale Journal of Biology and Medicine</i> , 2020, 93, 501-515.	0.2	1
18	Review: immunoassays in DNA damage and instability detection. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4689-4704.	2.4	25

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19	The Influence of (5 ϵ R)- and (5 ϵ S)-5 ϵ ,8-Cyclo-2 ϵ -Deoxyadenosine on UDG and hAPE1 Activity. Tandem Lesions are the Base Excision Repair System's Nightmare. <i>Cells</i> , 2019, 8, 1303.	1.8	15
20	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. <i>Polyhedron</i> , 2019, 169, 228-238.	1.0	4
21	Actual state of knowledge in the field of diseases related with defective nucleotide excision repair. <i>Life Sciences</i> , 2018, 195, 6-18.	2.0	26
22	The AT Interstrand Cross-Link: Structure, Electronic Properties, and Influence on Charge Transfer in dsDNA. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 665-685.	2.3	10
23	The Clustered DNA Lesions "Types, Pathways of Repair and Relevance to Human Health. <i>Current Medicinal Chemistry</i> , 2018, 25, 2722-2735.	1.2	24
24	Synthesis, Biological Activity and Preliminary in Silico ADMET Screening of Polyamine Conjugates with Bicyclic Systems. <i>Molecules</i> , 2017, 22, 794.	1.7	10
25	DNA Interaction Studies of Selected Polyamine Conjugates. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1560.	1.8	15
26	The Influence of the Terminal Phosphorothioate Diester Bond on the DNA Oxidation Process. An Experimental and Theoretical Approach. <i>Molecules</i> , 2015, 20, 12400-12411.	1.7	2
27	The influence of phosphorothioate on charge migration in single and double stranded DNA: a theoretical approach. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21507-21516.	1.3	11
28	Effects of (5 ϵ S)-5 ϵ ,8-cyclo-2 ϵ -deoxyadenosine on the base excision repair of oxidatively generated clustered DNA damage. A biochemical and theoretical study. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8671-8682.	1.5	14
29	The influence of (5 ϵ R) and (5 ϵ S)-5 ϵ ,8-cyclo-2 ϵ -deoxyadenosine for the electronic properties of nucleosides pairs. The theoretical quantum mechanics studies. <i>Open Chemistry</i> , 2013, 11, 1079-1090.	1.0	1
30	The role of (5 ϵ R) and (5 ϵ S) 5 ϵ ,8-cyclo-2 ϵ -deoxyadenosine in ds-DNA structure. <i>Computational and Theoretical Chemistry</i> , 2013, 1010, 38-44.	1.1	8
31	The difference in stability between 5 ϵ R and 5 ϵ S diastereomers of 5 ϵ ,8-cyclopurine-2 ϵ -deoxynucleosides. DFT study in gaseous and aqueous phase. <i>Open Chemistry</i> , 2010, 8, 134-141.	1.0	2
32	Ionisation potential and electron affinity of free 5 ϵ ,8-cyclopurine-2 ϵ -deoxynucleosides. DFT study in gaseous and aqueous phase. <i>Open Chemistry</i> , 2010, 8, 70-76.	1.0	4
33	Formation of 5 ϵ ,8-cyclo-2 ϵ -deoxyadenosine in single strand DNA. Theoretical quantum mechanics study. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1603.	1.5	7
34	5',8-Cyclo-2'-deoxyadenosine (cdA) formation by gamma-radiation. Theoretical quantum mechanics study. <i>Acta Biochimica Polonica</i> , 2009, 56, .	0.3	6
35	5',8-Cyclo-2'-deoxyadenosine (cdA) formation by gamma-radiation. Theoretical quantum mechanics study. <i>Acta Biochimica Polonica</i> , 2009, 56, 655-62.	0.3	3
36	Effect of (5 ϵ S)-5 ϵ ,8-cyclo-2 ϵ -deoxyadenosine on the conformation of di and trinucleotides. A NMR and DFT study. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3408.	1.5	10