

# Bogdan I Fedeles

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,216  
citations

623188

14  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2055  
citing authors

#	ARTICLE	IF	CITATIONS
1	The AlkB Family of Fe(II)/ $\hat{\text{I}}\pm$ -Ketoglutarate-dependent Dioxygenases: Repairing Nucleic Acid Alkylation Damage and Beyond. <i>Journal of Biological Chemistry</i> , 2015, 290, 20734-20742.	1.6	291
2	APP Processing and Synaptic Plasticity in Presenilin-1 Conditional Knockout Mice. <i>Neuron</i> , 2001, 31, 713-726.	3.8	233
3	Role of tautomerism in RNA biochemistry. <i>Rna</i> , 2015, 21, 1-13.	1.6	131
4	Mutational spectra of aflatoxin B <sub>1</sub> in vivo establish biomarkers of exposure for human hepatocellular carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3101-E3109.	3.3	100
5	Intrinsic mutagenic properties of 5-chlorocytosine: A mechanistic connection between chronic inflammation and cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4571-80.	3.3	67
6	Oncometabolites $\langle \text{scp} \rangle \text{d} \langle \text{scp} \rangle$ - and $\langle \text{scp} \rangle \text{l} \langle \text{scp} \rangle$ -2-Hydroxyglutarate Inhibit the AlkB Family DNA Repair Enzymes under Physiological Conditions. <i>Chemical Research in Toxicology</i> , 2017, 30, 1102-1110.	1.7	62
7	Tautomerism provides a molecular explanation for the mutagenic properties of the anti-HIV nucleoside 5-aza-5,6-dihydro-2'-deoxycytidine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3252-E3259.	3.3	43
8	Design, synthesis, and evaluation of estradiol-linked genotoxicants as anti-cancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 3829-3833.	1.0	40
9	Next-generation sequencing reveals the biological significance of the $\langle \text{i} \rangle \text{N} \langle \text{i} \rangle$ $\hat{\text{A}}_{2,3}$ -ethenoguanine lesion $\langle \text{i} \rangle$ in vivo $\langle \text{i} \rangle$ . <i>Nucleic Acids Research</i> , 2015, 43, 5489-5500.	6.5	39
10	Removal of N-Alkyl Modifications from $\langle \text{i} \rangle \text{N} \langle \text{i} \rangle$ $\langle \text{sup} \rangle 2 \langle \text{sup} \rangle$ -Alkylguanine and $\langle \text{i} \rangle \text{N} \langle \text{i} \rangle$ $\langle \text{sup} \rangle 4 \langle \text{sup} \rangle$ -Alkylcytosine in DNA by the Adaptive Response Protein AlkB. <i>Chemical Research in Toxicology</i> , 2013, 26, 1182-1187.	1.7	29
11	G-quadruplex-forming promoter sequences enable transcriptional activation in response to oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2788-2790.	3.3	29
12	Impact of DNA lesion repair, replication and formation on the mutational spectra of environmental carcinogens: Aflatoxin B1 as a case study. <i>DNA Repair</i> , 2018, 71, 12-22.	1.3	28
13	Mechanism of Repair of Acrolein- and Malondialdehyde-Derived Exocyclic Guanine Adducts by the $\hat{\text{I}}\pm$ -Ketoglutarate/Fe(II) Dioxygenase AlkB. <i>Chemical Research in Toxicology</i> , 2014, 27, 1619-1631.	1.7	23
14	Chemical Genetics Analysis of an Aniline Mustard Anticancer Agent Reveals Complex I of the Electron Transport Chain as a Target. <i>Journal of Biological Chemistry</i> , 2011, 286, 33910-33920.	1.6	19
15	Two-dimensional IR spectroscopy of the anti-HIV agent KP1212 reveals protonated and neutral tautomers that influence pH-dependent mutagenicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3229-3234.	3.3	16
16	Editor's $\hat{\text{M}}$ s Highlight: Pregnancy Alters Aflatoxin B1 Metabolism and Increases DNA Damage in Mouse Liver. <i>Toxicological Sciences</i> , 2017, 160, 173-179.	1.4	14
17	A Chemical Genetics Analysis of the Roles of Bypass Polymerase DinB and DNA Repair Protein AlkB in Processing N2-Alkylguanine Lesions In Vivo. <i>PLoS ONE</i> , 2014, 9, e94716.	1.1	13
18	Early detection of the aflatoxin B <sub>1</sub> mutational fingerprint: A diagnostic tool for liver cancer. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1329693.	0.3	11

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19	Structural Insights Into Tautomeric Dynamics in Nucleic Acids and in Antiviral Nucleoside Analogs. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 823253.	1.6	11
20	An engineered cell line lacking OGG1 and MUTYH glycosylases implicates the accumulation of genomic 8-oxoguanine as the basis for paraquat mutagenicity. <i>Free Radical Biology and Medicine</i> , 2018, 116, 64-72.	1.3	6
21	Modulation of <i>N</i> -Methyl- <i>N</i> -nitrosourea Mutagenesis in Mouse Embryo Fibroblasts Derived from the <i>gpt</i> Delta Mouse by an Inhibitor of the <i>O</i> <sup>6</sup> -Methylguanine Methyltransferase, MGMT. <i>Chemical Research in Toxicology</i> , 2020, 33, 625-633.	1.7	6
22	7,8-Dihydro-8-oxo-1, <i>N</i> 6-ethenoadenine: an exclusively Hoogsteen-paired thymine mimic in DNA that induces A→T transversions in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2022, 50, 3056-3069.	6.5	3
23	Andrographolide, an Antioxidant, Counteracts Paraquat- Induced Mutagenesis in Mammalian Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2021, 22, 3-8.	0.5	2
24	Observing Tautomerization of a Deoxycytidine Analog Kp1212: Molecular Origin of Lethal Mutagenesis Against Hiv. <i>Biophysical Journal</i> , 2014, 106, 440a.	0.2	0
25	Abstract LB-229: Mutation spectra of aflatoxin B1 in vivo establish biomarkers of exposure for human hepatocellular carcinoma. , 2017, , .		0