

Tomasz Poplawski

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,331
citations

304701

22
h-index

395678

33
g-index

76
all docs

76
docs citations

76
times ranked

1924
citing authors

#	ARTICLE	IF	CITATIONS
1	Packed Red Blood Cell Supernatants Do Not Promote Growth or Cisplatin Resistance of Myeloid Leukemia K-562 Cells. <i>Journal of Blood Medicine</i> , 2022, Volume 13, 121-131.	1.7	0
2	DNA Computing: Concepts for Medical Applications. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6928.	2.5	4
3	Responses of human colon and breast adenocarcinoma cell lines (LoVo, MCF7) and non-tumorigenic mammary epithelial cells (MCF-10A) to the acellular fraction of packed red blood cells in the presence and absence of cisplatin. <i>PLoS ONE</i> , 2022, 17, e0271193.	2.5	0
4	DNA double-strand breaks repair inhibitors potentiates the combined effect of VP-16 and CDDP in human colorectal adenocarcinoma (LoVo) cells. <i>Molecular Biology Reports</i> , 2021, 48, 709-720.	2.3	3
5	Serotonin Pathway of Tryptophan Metabolism in Small Intestinal Bacterial Overgrowth—A Pilot Study with Patients Diagnosed with Lactulose Hydrogen Breath Test and Treated with Rifaximin. <i>Journal of Clinical Medicine</i> , 2021, 10, 2065.	2.4	3
6	Serotonin in the Pathogenesis of Lymphocytic Colitis. <i>Journal of Clinical Medicine</i> , 2021, 10, 285.	2.4	10
7	BET Proteins as Attractive Targets for Cancer Therapeutics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11102.	4.1	35
8	Association of GEMIN4 gene polymorphisms with the risk of colorectal cancer in the Polish population. <i>Polski Przegląd Chirurgicalny</i> , 2021, 93, 40-45.	0.4	1
9	Inhibition of DNA-PK potentiates the synergistic effect of NK314 and etoposide combination on human glioblastoma cells. <i>Molecular Biology Reports</i> , 2020, 47, 67-76.	2.3	11
10	(1 ⁴)-Thiodisaccharides as anticancer agents. Part 5. Evaluation of anticancer activity and investigation of mechanism of action. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126904.	2.2	11
11	Polyphenolic-polysaccharide conjugates from medicinal plants of Rosaceae/Asteraceae family protect human lymphocytes but not myeloid leukemia K562 cells against radiation-induced death. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 1445-1454.	7.5	12
12	Interactions of lamotrigine with single- and double-stranded DNA under physiological conditions. <i>Bioelectrochemistry</i> , 2020, 136, 107630.	4.6	12
13	Tryptophan Intake and Metabolism in Older Adults with Mood Disorders. <i>Nutrients</i> , 2020, 12, 3183.	4.1	22
14	Increased Sensitivity of PBMCs Isolated from Patients with Rheumatoid Arthritis to DNA Damaging Agents Is Connected with Inefficient DNA Repair. <i>Journal of Clinical Medicine</i> , 2020, 9, 988.	2.4	11
15	Functionalized CARB Pharmacophore (FCP) approach to thio and unsaturated carbohydrate scaffolds with potential anticancer activity. <i>Carbohydrate Chemistry</i> , 2020, , 130-150.	0.3	0
16	Interplay between Redox Signaling, Oxidative Stress, and Unfolded Protein Response (UPR) in Pathogenesis of Human Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-2.	4.0	15
17	DNA Damage Response as a Pharmacological Target for Cancer and Infectious Diseases. <i>Current Medicinal Chemistry</i> , 2019, 26, 1423-1424.	2.4	0
18	Comparison of the effect of three different topoisomerase II inhibitors combined with cisplatin in human glioblastoma cells sensitized with double strand break repair inhibitors. <i>Molecular Biology Reports</i> , 2019, 46, 3625-3636.	2.3	18

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19	Expression of tryptophan hydroxylase in gastric mucosa in symptomatic and asymptomatic <i>Helicobacter pylori</i> infection. <i>Archives of Medical Science</i> , 2019, 15, 416-423.	0.9	5
20	DNA Double Strand Breaks Repair Inhibitors: Relevance as Potential New Anticancer Therapeutics. <i>Current Medicinal Chemistry</i> , 2019, 26, 1483-1493.	2.4	15
21	Inhibition of the PERK-Dependent Unfolded Protein Response Signaling Pathway Involved in the Pathogenesis of Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2019, 16, 209-218.	1.4	16
22	Lactofen – Electrochemical Sensing and Interaction with dsDNA. <i>Electroanalysis</i> , 2018, 30, 94-100.	2.9	9
23	Evaluation of Melatonin Secretion and Metabolism Exponents in Patients with Ulcerative and Lymphocytic Colitis. <i>Molecules</i> , 2018, 23, 272.	3.8	12
24	Electrochemical and spectroscopic studies of the interaction of antiviral drug Tenofovir with single and double stranded DNA. <i>Bioelectrochemistry</i> , 2018, 123, 227-232.	4.6	35
25	Evaluation of the Extrapineal Sources of Melatonin in Patients with Lymphocytic Colitis. <i>International Journal of Multidisciplinary and Current Research</i> , 2018, 6, .	0.1	1
26	The oxidative induction of DNA lesions in cancer cells by 5-thio-d-glucose and 6-thio-d-fructopyranose and their genotoxic effects. Part 3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1210-1214.	2.2	6
27	The induction of oxidative stress in cervix carcinoma cells by levoglucosenone derived 4-S-salicyl derivative and (1 ⁴)-S-thio-disaccharides. Part 4. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1215-1219.	2.2	9
28	A detailed experimental study of a DNA computer with two endonucleases. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2017, 72, 303-313.	1.4	2
29	A comparative study on the radioprotective potential of the polyphenolic glycoconjugates from medicinal plants of Rosaceae and Asteraceae families versus their aglycones. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 171, 50-57.	3.8	10
30	Thio-functionalized carbohydrate thiosemicarbazones and evaluation of their anticancer activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2713-2720.	2.2	15
31	Polyphenolic glycoconjugates from medical plants of Rosaceae/Asteraceae family protect human lymphocytes against ¹³ I-radiation-induced damage. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 585-593.	7.5	13
32	Evaluation of the Mycobactericidal Effect of Thio-functionalized Carbohydrate Derivatives. <i>Molecules</i> , 2017, 22, 812.	3.8	15
33	Biomolecular computers with multiple restriction enzymes. <i>Genetics and Molecular Biology</i> , 2017, 40, 860-870.	1.3	5
34	A novel carbohydrate derived compound FCP5 causes DNA strand breaks and oxidative modifications of DNA bases in cancer cells. <i>Chemico-Biological Interactions</i> , 2015, 227, 77-88.	4.0	12
35	POLYMORPHISM OF DNA MISMATCH REPAIR GENES IN ENDOMETRIAL CANCER. <i>Experimental Oncology</i> , 2015, 37, 44-47.	0.1	6
36	Towards an autonomous multistate biomolecular devices built on DNA. , 2014, , .		2

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37	Thio-sugar motif of functional CARB-pharmacophore for antineoplastic activity. Part 2. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5606-5611.	2.2	27
38	A potential CARB-pharmacophore for antineoplastic activity: Part 1. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1752-1757.	2.2	24
39	Wortmannin potentiates the combined effect of etoposide and cisplatin in human glioma cells. International Journal of Biochemistry and Cell Biology, 2014, 53, 423-431.	2.8	23
40	Helicobacter pylori infection and antioxidants can modulate the genotoxic effects of heterocyclic amines in gastric mucosa cells. Molecular Biology Reports, 2013, 40, 5205-5212.	2.3	20
41	Expression of Melatonin Synthesizing Enzymes in <i>Helicobacter pylori</i> Infected Gastric Mucosa. BioMed Research International, 2013, 2013, 1-7.	1.9	14
42	Arithmetical Analysis of Biomolecular Finite Automaton. Fundamenta Informaticae, 2013, 128, 463-474.	0.4	5
43	Does Melatonin Homeostasis Play a Role in Continuous Epigastric Pain Syndrome?. International Journal of Molecular Sciences, 2013, 14, 12550-12562.	4.1	6
44	Polymorphisms of DNA Repair Genes in Endometrial Cancer. Pathology and Oncology Research, 2012, 18, 1015-1020.	1.9	22
45	Dental methacrylates may exert genotoxic effects via the oxidative induction of DNA double strand breaks and the inhibition of their repair. Molecular Biology Reports, 2012, 39, 7487-7496.	2.3	42
46	2-Hydroxyethyl methacrylate (HEMA), a tooth restoration component, exerts its genotoxic effects in human gingival fibroblasts through methacrylic acid, an immediate product of its degradation. Molecular Biology Reports, 2012, 39, 1561-1574.	2.3	42
47	DNA damage and repair in endometrial cancer in correlation with the hOGG1 and RAD51 genes polymorphism. Molecular Biology Reports, 2011, 38, 1163-1170.	2.3	40
48	Independent and combined cytotoxicity and genotoxicity of triethylene glycol dimethacrylate and urethane dimethacrylate. Molecular Biology Reports, 2011, 38, 4603-4611.	2.3	52
49	BCR/ABL Stimulates WRN to Promote Survival and Genomic Instability. Cancer Research, 2011, 71, 842-851.	0.9	53
50	Secretion of melatonin and 6-sulfatoxymelatonin urinary excretion in functional dyspepsia. World Journal of Gastroenterology, 2011, 17, 2646.	3.3	13
51	BCR/ABL downregulates DNA-PKCS-dependent and upregulates backup non-homologous end joining in leukemic cells. Molecular Biology Reports, 2010, 37, 2309-2315.	2.3	13
52	Mutations in the PAX9 gene in sporadic oligodontia. Orthodontics and Craniofacial Research, 2010, 13, 142-152.	2.8	26
53	Non-homologous DNA end joining in normal and cancer cells and its dependence on break structures. Genetics and Molecular Biology, 2010, 33, 368-373.	1.3	10
54	Genotoxicity and cytotoxicity of 2-hydroxyethyl methacrylate. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 696, 122-129.	1.7	56

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55	Genotoxicity of urethane dimethacrylate, a tooth restoration component. <i>Toxicology in Vitro</i> , 2010, 24, 854-862.	2.4	23
56	DNA Damage/Repair and Polymorphism of the hOGG1 Gene in Lymphocytes of AMD Patients. <i>Journal of Biomedicine and Biotechnology</i> , 2009, 2009, 1-9.	3.0	23
57	Tyrosine Kinase Blockers: New Hope for Successful Cancer Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2009, 9, 66-76.	1.7	100
58	Cytotoxicity and genotoxicity of glycidyl methacrylate. <i>Chemico-Biological Interactions</i> , 2009, 180, 69-78.	4.0	41
59	BCR/ABL Inhibits Mismatch Repair to Protect from Apoptosis and Induce Point Mutations. <i>Cancer Research</i> , 2008, 68, 2576-2580.	0.9	92
60	Therapeutic Effect of Melatonin in Patients With Functional Dyspepsia. <i>Journal of Clinical Gastroenterology</i> , 2007, 41, 270-274.	2.2	34
61	BCR/ABL Kinase Inhibits Mismatch Repair To Reduce Apoptosis and Induce Point Mutations.. <i>Blood</i> , 2007, 110, 32-32.	1.4	6
62	BCR/ABL Kinase Elevates ROS-Mediated Oxidative DNA Damage in CML Stem/Progenitor Cells and Affects the Efficiency and Fidelity of DNA Repair To Induce Genetic Instability.. <i>Blood</i> , 2007, 110, 34-34.	1.4	0
63	BCR/ABL Stimulates WRN Helicase Activity To Facilitate DNA Double-Strand Breaks Repair.. <i>Blood</i> , 2007, 110, 1024-1024.	1.4	0
64	Imatinib mesylate (STI571) abrogates the resistance to doxorubicin in human K562 chronic myeloid leukemia cells by inhibition of BCR/ABL kinase-mediated DNA repair. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 603, 74-82.	1.7	18
65	DNA damage and repair in gastric cancer – A correlation with the hOGG1 and RAD51 genes polymorphisms. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 601, 83-91.	1.0	55
66	Non-homologous DNA End Joining Repair in Normal and Leukemic Cells Depends on the Substrate Ends. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2005, 60, 493-500.	1.4	8
67	Interaction of amoxicillin with DNA in human lymphocytes and H. pylori-infected and non-infected gastric mucosa cells. <i>Chemico-Biological Interactions</i> , 2005, 152, 13-24.	4.0	27
68	Imatinib (STI571) induces DNA damage in BCR/ABL-expressing leukemic cells but not in normal lymphocytes. <i>Chemico-Biological Interactions</i> , 2005, 152, 139-150.	4.0	22
69	Polymorphisms of the DNA Mismatch Repair Gene HMSH2 in Breast Cancer Occurrence and Progression. <i>Breast Cancer Research and Treatment</i> , 2005, 94, 199-204.	2.5	25
70	Imatinib (STI571) Induces DNA Damage in BCR/ABL-Expressing Leukemic Cells but Not in Normal Lymphocytes.. <i>Blood</i> , 2004, 104, 4353-4353.	1.4	0