

Tomasz Sliwinski

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105 papers	1,857 citations	23 h-index	36 g-index
118 ext. papers	2,340 ext. citations	4.2 avg, IF	4.86 L-index

#	Paper	IF	Citations
105	The interplay between inflammation, oxidative stress, DNA damage, DNA repair and mitochondrial dysfunction in depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018 , 80, 309-321	5.5	131
104	Personalized synthetic lethality induced by targeting RAD52 in leukemias identified by gene mutation and expression profile. <i>Blood</i> , 2013 , 122, 1293-304	2.2	98
103	Tyrosine kinase blockers: new hope for successful cancer therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2009 , 9, 66-76	2.2	85
102	Protective action of melatonin against oxidative DNA damage: chemical inactivation versus base-excision repair. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007 , 634, 220-7	3	82
101	Polymorphisms in RAD51, XRCC2 and XRCC3 genes of the homologous recombination repair in colorectal cancer--a case control study. <i>Molecular Biology Reports</i> , 2011 , 38, 2849-54	2.8	69
100	Identification and targeted disruption of the gene encoding the main 3-ketosteroid dehydrogenase in <i>Mycobacterium smegmatis</i> . <i>Microbiology (United Kingdom)</i> , 2005 , 151, 2393-2402	2.9	47
99	The levels of 7,8-dihydrodeoxyguanosine (8-oxoG) and 8-oxoguanine DNA glycosylase 1 (OGG1) - A potential diagnostic biomarkers of Alzheimer's disease. <i>Journal of the Neurological Sciences</i> , 2016 , 368, 155-9	3.2	45
98	Antibacterial, Anti-Inflammatory, Antioxidant, and Antiproliferative Properties of Essential Oils from Hairy and Normal Roots of <i>L.</i> and Their Chemical Composition. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 7384061	6.7	45
97	The association of polymorphisms in DNA base excision repair genes XRCC1, OGG1 and MUTYH with the risk of childhood acute lymphoblastic leukemia. <i>Molecular Biology Reports</i> , 2011 , 38, 445-51	2.8	45
96	Zinc salts differentially modulate DNA damage in normal and cancer cells. <i>Cell Biology International</i> , 2009 , 33, 542-7	4.5	45
95	Polymorphisms of the BRCA2 and RAD51 genes in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2005 , 94, 105-9	4.4	45
94	Elevated level of DNA damage and impaired repair of oxidative DNA damage in patients with recurrent depressive disorder. <i>Medical Science Monitor</i> , 2015 , 21, 412-8	3.2	43
93	Common polymorphisms in the XPD and hOGG1 genes are not associated with the risk of colorectal cancer in a Polish population. <i>Tohoku Journal of Experimental Medicine</i> , 2009 , 218, 185-91	2.4	38
92	Tyrosine kinase inhibitor-induced defects in DNA repair sensitize FLT3(ITD)-positive leukemia cells to PARP1 inhibitors. <i>Blood</i> , 2018 , 132, 67-77	2.2	38
91	Polymorphisms of the XRCC3 C722T and the RAD51 G135C genes and the risk of head and neck cancer in a Polish population. <i>Experimental and Molecular Pathology</i> , 2010 , 89, 358-66	4.4	37
90	A preliminary study of apoptosis induction in glioma cells via alteration of the Bax/Bcl-2-p53 axis by transformed and non-transformed root extracts of <i>Leonurus sibiricus</i> L. <i>Tumor Biology</i> , 2016 , 37, 8753-64	2.9	31
89	The molecular aspects of oxidative & nitrosative stress and the tryptophan catabolites pathway (TRYCATs) as potential causes of depression. <i>Psychiatry Research</i> , 2018 , 262, 566-574	9.9	28

88	Melittin-A Natural Peptide from Bee Venom Which Induces Apoptosis in Human Leukaemia Cells. <i>Biomolecules</i> , 2020 , 10,	5.9	26
87	The Effect of Leonurus sibiricus Plant Extracts on Stimulating Repair and Protective Activity against Oxidative DNA Damage in CHO Cells and Content of Phenolic Compounds. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 5738193	6.7	25
86	Transformed Root Extract of Leonurus sibiricus Induces Apoptosis through Intrinsic and Extrinsic Pathways in Various Grades of Human Glioma Cells. <i>Pathology and Oncology Research</i> , 2017 , 23, 679-687 ^{2.6}	2.6	23
85	Association between single nucleotide polymorphisms of MUTYH, hOGG1 and NEIL1 genes, and depression. <i>Journal of Affective Disorders</i> , 2015 , 184, 90-6	6.6	23
84	Association between single nucleotide polymorphisms of TPH1 and TPH2 genes, and depressive disorders. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 1778-1791	5.6	23
83	Variants of Base Excision Repair Genes MUTYH , PARP1 and XRCC1 in Alzheimer's Disease Risk. <i>Neuropsychobiology</i> , 2015 , 71, 176-86	4	23
82	Inhibition of human glioma cell proliferation by altered Bax/Bcl-2-p53 expression and apoptosis induction by Rhaponticum carthamoides extracts from transformed and normal roots. <i>Journal of Pharmacy and Pharmacology</i> , 2016 , 68, 1454-1464	4.8	23
81	Induction of apoptosis by in vitro and in vivo plant extracts derived from Menyanthes trifoliata L. in human cancer cells. <i>Cytotechnology</i> , 2019 , 71, 165-180	2.2	23
80	RAD52 as a Potential Target for Synthetic Lethality-Based Anticancer Therapies. <i>Cancers</i> , 2019 , 11,	6.6	22
79	MUTYH Tyr165Cys, OGG1 Ser326Cys and XPD Lys751Gln polymorphisms and head neck cancer susceptibility: a case control study. <i>Molecular Biology Reports</i> , 2011 , 38, 1251-61	2.8	22
78	Variation of genes involved in oxidative and nitrosative stresses in depression. <i>European Psychiatry</i> , 2018 , 48, 38-48	6	20
77	Impact of Single Nucleotide Polymorphisms of Base Excision Repair Genes on DNA Damage and Efficiency of DNA Repair in Recurrent Depression Disorder. <i>Molecular Neurobiology</i> , 2017 , 54, 4150-4159 ^{6.2}	6.2	20
76	Benign Effect of Extremely Low-Frequency Electromagnetic Field on Brain Plasticity Assessed by Nitric Oxide Metabolism during Poststroke Rehabilitation. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 2181942	6.7	20
75	Genotoxicity and cytotoxicity of ZnO and Al ₂ O ₃ nanoparticles. <i>Toxicology Mechanisms and Methods</i> , 2015 , 25, 176-83	3.6	20
74	Evaluation of the Cytotoxicity and Genotoxicity of Flavonolignans in Different Cellular Models. <i>Nutrients</i> , 2017 , 9,	6.7	18
73	Over-Expression of AtPAP1 Transcriptional Factor Enhances Phenolic Acid Production in Transgenic Roots of Leonurus sibiricus L. and Their Biological Activities. <i>Molecular Biotechnology</i> , 2018 , 60, 74-82	3	18
72	STI571 reduces NER activity in BCR/ABL-expressing cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008 , 654, 162-7	3	17
71	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	3	17

70	Polymorphisms of the DNA polymerase beta gene in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2007 , 103, 161-6	4.4	16
69	Associations between DNA Damage, DNA Base Excision Repair Gene Variability and Alzheimer's Disease Risk. <i>Dementia and Geriatric Cognitive Disorders</i> , 2016 , 41, 152-71	2.6	16
68	Plant Extracts and Reactive Oxygen Species as Two Counteracting Agents with Anti- and Pro-Obesity Properties. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	15
67	Decreased expression level of BER genes in Alzheimer's disease patients is not derivative of their DNA methylation status. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 79, 311-316	5.5	15
66	PARP1 inhibitor olaparib (Lynparza) exerts synthetic lethal effect against ligase 4-deficient melanomas. <i>Oncotarget</i> , 2016 , 7, 75551-75560	3.3	15
65	Association between Single-Nucleotide Polymorphisms of the hOGG1, NEIL1, APEX1, FEN1, LIG1, and LIG3 Genes and Alzheimer's Disease Risk. <i>Neuropsychobiology</i> , 2016 , 73, 98-107	4	15
64	The Relationship Between Single-Nucleotide Polymorphisms, the Expression of DNA Damage Response Genes, and Hepatocellular Carcinoma in a Polish Population. <i>DNA and Cell Biology</i> , 2017 , 36, 693-708	3.6	14
63	Growth of <i>Leonurus sibiricus</i> L. roots with over-expression of AtPAP1 transcriptional factor in closed bioreactor, production of bioactive phenolic compounds and evaluation of their biological activity. <i>Industrial Crops and Products</i> , 2018 , 122, 732-739	5.9	14
62	Increase in Blood Levels of Growth Factors Involved in the Neuroplasticity Process by Using an Extremely Low Frequency Electromagnetic Field in Post-stroke Patients. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 294	5.3	14
61	Polymorphism of the ERalpha and CYP1B1 genes in endometrial cancer in a Polish subpopulation. <i>Journal of Obstetrics and Gynaecology Research</i> , 2010 , 36, 311-7	1.9	13
60	Anti-Inflammatory Activity of Extracts and Pure Compounds Derived from Plants via Modulation of Signaling Pathways, Especially PI3K/AKT in Macrophages. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
59	The Essential Oils of Hairy Roots and Roots of Soil-Grown Plants: Chemical Composition and Antimicrobial, Anti-Inflammatory, and Antioxidant Activities. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 8505384	6.7	13
58	Modulation of antioxidant enzyme gene expression by extremely low frequency electromagnetic field in post-stroke patients. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2018 , 78, 626-631	2.3	13
57	Association between polymorphism of the hNQO1, hNOS3 and hNFE2L2 genes and AMD. <i>Frontiers in Bioscience - Landmark</i> , 2013 , 18, 80-90	2.8	12
56	Single-Nucleotide Polymorphisms of Genes Involved in Repair of Oxidative DNA Damage and the Risk of Recurrent Depressive Disorder. <i>Medical Science Monitor</i> , 2016 , 22, 4455-4474	3.2	12
55	Oxidative and Nitrosative Stress as Well as the Tryptophan Catabolites Pathway in Depressive Disorders. <i>Psychiatria Danubina</i> , 2017 , 29, 394-400	1.8	12
54	Transgenesis as a Tool for the Efficient Production of Selected Secondary Metabolites from in Vitro Plant Cultures. <i>Plants</i> , 2020 , 9,	4.5	11
53	An In Vitro Estimation of the Cytotoxicity and Genotoxicity of Root Extract from L. Overexpressing AtPAP1 against Different Cancer Cell Lines. <i>Molecules</i> , 2018 , 23,	4.8	11

52	Cytotoxicity and genotoxicity of capecitabine in head and neck cancer and normal cells. <i>Molecular Biology Reports</i> , 2011 , 38, 3679-88	2.8	11
51	Antioxidant and DNA Repair Stimulating Effect of Extracts from Transformed and Normal Roots of <i>Rhaponticum carthamoides</i> against Induced Oxidative Stress and DNA Damage in CHO Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 5753139	6.7	11
50	Induction of apoptosis in human glioma cell lines of various grades through the ROS-mediated mitochondrial pathway and caspase activation by <i>Rhaponticum carthamoides</i> transformed root extract. <i>Molecular and Cellular Biochemistry</i> , 2018 , 445, 89-97	4.2	11
49	The c.469+46_56del mutation in the homeobox MSX1 gene--a novel risk factor in breast cancer?. <i>Cancer Epidemiology</i> , 2010 , 34, 652-5	2.8	9
48	Mitochondrial DNA copy number, damage, repair and degradation in depressive disorder. <i>World Journal of Biological Psychiatry</i> , 2020 , 21, 91-101	3.8	9
47	Variation of genes encoding KAT1, AADAT and IDO1 as a potential risk of depression development. <i>European Psychiatry</i> , 2018 , 52, 95-103	6	9
46	The Extract of <i>Leonurus sibiricus</i> Transgenic Roots with AtPAP1 Transcriptional Factor Induces Apoptosis via DNA Damage and Down Regulation of Selected Epigenetic Factors in Human Cancer Cells. <i>Neurochemical Research</i> , 2018 , 43, 1363-1370	4.6	9
45	Flavonolignans Inhibit IL1-Induced Cross-Talk between Blood Platelets and Leukocytes. <i>Nutrients</i> , 2017 , 9,	6.7	8
44	Plant Extracts as a Natural Source of Bioactive Compounds and Potential Remedy for the Treatment of Certain Skin Diseases. <i>Current Pharmaceutical Design</i> , 2020 , 26, 2859-2875	3.3	8
43	Potential Synergistic Action of Bioactive Compounds from Plant Extracts against Skin Infecting Microorganisms. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
42	Transformed Root Extract Has Potent Anticancer Activity in Human Leukemia and Lung Adenocarcinoma Cell Lines. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 8198652	6.7	8
41	Insight the Biological Activities of Selected Abietane Diterpenes Isolated from spp. <i>Biomolecules</i> , 2020 , 10,	5.9	7
40	Effects of venlafaxine on the expression level and methylation status of genes involved in oxidative stress in rats exposed to a chronic mild stress. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 5675-5694	5.6	7
39	DNA damage and repair in neuropsychiatric disorders. What do we know and what are the future perspectives?. <i>Mutagenesis</i> , 2020 , 35, 79-106	2.8	7
38	Production of recombinant colicin M in <i>Nicotiana tabacum</i> plants and its antimicrobial activity. <i>Plant Biotechnology Reports</i> , 2020 , 14, 33-43	2.5	7
37	An In Vitro Evaluation of the Molecular Mechanisms of Action of Medical Plants from the Lamiaceae Family as Effective Sources of Active Compounds against Human Cancer Cell Lines. <i>Cancers</i> , 2020 , 12,	6.6	7
36	In Vitro Assessment of Antimicrobial, Antioxidant, and Cytotoxic Properties of Saccharin-Tetrazolyl and -Thiadiazolyl Derivatives: The Simple Dependence of the pH Value on Antimicrobial Activity. <i>Pharmaceuticals</i> , 2019 , 12,	5.2	7
35	Non-NAD-like PARP1 inhibitor enhanced synthetic lethal effect of NAD-like PARP inhibitors against BRCA1-deficient leukemia. <i>Leukemia and Lymphoma</i> , 2019 , 60, 1098-1101	1.9	7

34	Major depressive disorders accompanying autoimmune diseases - Response to treatment. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019 , 95, 109678	5.5	6
33	An Extract of Transgenic <i>Senna obtusifolia</i> L. Hairy Roots with Overexpression of PgSS1 Gene in Combination with Chemotherapeutic Agent Induces Apoptosis in the Leukemia Cell Line. <i>Biomolecules</i> , 2020 , 10,	5.9	6
32	DNA Double Strand Break Repair - Related Synthetic Lethality. <i>Current Medicinal Chemistry</i> , 2019 , 26, 1446-1482	4.3	6
31	Single-nucleotide polymorphisms of uracil-processing genes affect the occurrence and the onset of recurrent depressive disorder. <i>PeerJ</i> , 2018 , 6, e5116	3.1	6
30	The Effect of Chronic Mild Stress and Venlafaxine on the Expression and Methylation Levels of Genes Involved in the Tryptophan Catabolites Pathway in the Blood and Brain Structures of Rats. <i>Journal of Molecular Neuroscience</i> , 2020 , 70, 1425-1436	3.3	5
29	Novel association between TGFA, TGFB1, IRF1, PTGS2 and IKBKB single-nucleotide polymorphisms and occurrence, severity and treatment response of major depressive disorder. <i>PeerJ</i> , 2020 , 8, e8676	3.1	5
28	(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	2.9	5
27	Oxidative Damage of Blood Platelets Correlates with the Degree of Psychophysical Disability in Secondary Progressive Multiple Sclerosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 2868014	6.7	5
26	Rhaponticum carthamoides transformed root extract inhibits human glioma cells viability, induces double strand DNA damage, H2A.X phosphorylation, and PARP1 cleavage. <i>Cytotechnology</i> , 2018 , 70, 1585-1594	2.2	5
25	Association between the 25129A > C polymorphism of the nuclear respiratory factor 2 gene and age-related macular degeneration. <i>Klinika Oczna</i> , 2013 , 115, 96-102	0.5	5
24	The Influence of Hepatitis C Virus Therapy on the DNA Base Excision Repair System of Peripheral Blood Mononuclear Cells. <i>DNA and Cell Biology</i> , 2017 , 36, 535-540	3.6	4
23	Effect of Rehabilitation with Extremely Low Frequency Electromagnetic Field on Molecular Mechanism of Apoptosis in Post-Stroke Patients. <i>Brain Sciences</i> , 2020 , 10,	3.4	4
22	The Changes of Expression and Methylation of Genes Involved in Oxidative Stress in Course of Chronic Mild Stress and Antidepressant Therapy with Agomelatine. <i>Genes</i> , 2020 , 11,	4.2	4
21	Diterpenoids from spp. as Potential Chemotherapeutic Agents via Apoptosis. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	4
20	Genetic Manipulation and Bioreactor Culture of Plants as a Tool for Industry and Its Applications.. <i>Molecules</i> , 2022 , 27,	4.8	4
19	Eradication of LIG4-deficient glioblastoma cells by the combination of PARP inhibitor and alkylating agent. <i>Oncotarget</i> , 2018 , 9, 36867-36877	3.3	4
18	The Effect of Chronic Mild Stress and Escitalopram on the Expression and Methylation Levels of Genes Involved in the Oxidative and Nitrosative Stresses as Well as Tryptophan Catabolites Pathway in the Blood and Brain Structures. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	4
17	Enhanced Accumulation of Betulinic Acid in Transgenic Hairy Roots of <i>Senna obtusifolia</i> Growing in the Sprinkle Bioreactor and Evaluation of Their Biological Properties in Various Biological Models. <i>Chemistry and Biodiversity</i> , 2021 , 18, e2100455	2.5	4

16	Evaluation of the effects of extremely low frequency electromagnetic field on the levels of some inflammatory cytokines in post-stroke patients. <i>Journal of Rehabilitation Medicine</i> , 2019 , 51, 854-860	3.4	4
15	An Evaluation of the DNA-Protective Effects of Extracts from L. Plants Derived from Culture Associated with Redox Balance and Other Biological Activities. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 9165784	6.7	4
14	Variation of Genes Encoding Tryptophan Catabolites Pathway Enzymes in Stroke. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	4
13	Single-Nucleotide Polymorphisms in Oxidative Stress-Related Genes and the Risk of a Stroke in a Polish Population-A Preliminary Study. <i>Brain Sciences</i> , 2021 , 11,	3.4	3
12	The Importance of Epigenetics in Diagnostics and Treatment of Major Depressive Disorder. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	3
11	Relationship between Oxidative Stress and Imatinib Resistance in Model Chronic Myeloid Leukemia Cells. <i>Biomolecules</i> , 2021 , 11,	5.9	3
10	Chronic Mild Stress and Venlafaxine Treatment Were Associated with Altered Expression Level and Methylation Status of New Candidate Inflammatory Genes in PBMCs and Brain Structures of Wistar Rats. <i>Genes</i> , 2021 , 12,	4.2	3
9	Ethylene glycol dimethacrylate and diethylene glycol dimethacrylate exhibits cytotoxic and genotoxic effect on human gingival fibroblasts via induction of reactive oxygen species. <i>Toxicology in Vitro</i> , 2018 , 47, 8-17	3.6	2
8	Novel allosteric PARP1 inhibitors for the treatment of BRCA-deficient leukemia. <i>Medicinal Chemistry Research</i> , 2020 , 29, 962-978	2.2	1
7	Preliminary Study of the Impact of Single-Nucleotide Polymorphisms of IL-1 β and TNF- α Genes on the Occurrence, Severity and Treatment Effectiveness of the Major Depressive Disorder. <i>Cellular and Molecular Neurobiology</i> , 2020 , 40, 1049-1056	4.6	1
6	Orchidaceae-Derived Anticancer Agents: A Review.. <i>Cancers</i> , 2022 , 14,	6.6	1
5	Methyl Jasmonate Effect on Betulinic Acid Content and Biological Properties of Extract from Transgenic Hairy Roots. <i>Molecules</i> , 2021 , 26,	4.8	1
4	MicroRNA profile and iron-related gene expression in hepatitis C-related hepatocellular carcinoma: a preliminary study. <i>Archives of Medical Science</i> , 2021 , 17, 1175-1183	2.9	0
3	Epigenetics in depression 2021 , 3-13		
2	The antioxidant profile of two species belonging to the genus Leonurus. Potential applications in toxicity 2021 , 355-362		
1	Molecular basis of tryptophan metabolism disorders associated with depression 2021 , 47-57		