Maja T Tomicic

List of Publications by Year
in descending order

51 papers	2,632 citations	186265 28 h-index	182427 51 g-index
52 all docs	52 docs citations	52 times ranked	3829 citing authors

#	Article	IF	Citations
1	Mechanisms of human DNA repair: an update. Toxicology, 2003, 193, 3-34.	4.2	486
2	Enhancement of cytotoxicity of artemisinins toward cancer cells by ferrous iron. Free Radical Biology and Medicine, 2004, 37, 998-1009.	2.9	233
3	Cisplatin resistance: Preclinical findings and clinical implications. Biochimica Et Biophysica Acta: Reviews on Cancer, 2010, 1806, 172-182.	7.4	220
4	Temozolomide Induces Senescence and Repression of DNA Repair Pathways in Glioblastoma Cells via Activation of ATRâ€“CHK1, p21, and NF-ÎºB. Cancer Research, 2019, 79, 99-113.	0.9	126
5	Ganciclovir-induced apoptosis in HSV-1 thymidine kinase expressing cells: critical role of DNA breaks, Bcl-2 decline and caspase-9 activation. Oncogene, 2002, 21, 2141-2153.	5.9	107
6	Molecular modes of action of cantharidin in tumor cells. Biochemical Pharmacology, 2005, 69, 811-818.	4.4	94
7	BER, MGMT, and MMR in defense against alkylation-induced genotoxicity and apoptosis. Progress in Molecular Biology and Translational Science, 2001, 68, 41-54.	1.9	82
8	APE/Ref-1 and the mammalian response to genotoxic stress. Toxicology, 2003, 193, 67-78.	4.2	82
9	Survivin inhibition and DNA double-strand break repair: A molecular mechanism to overcome radioresistance in glioblastoma. Radiotherapy and Oncology, 2011, 101, 51-58.	0.6	70
10	Topoisomerase degradation, DSB repair, p53 and IAPs in cancer cell resistance to camptothecin-like topoisomerase I inhibitors. Biochimica Et Biophysica Acta: Reviews on Cancer, 2013, 1835, 11-27.	7.4	65
11	Phosphorylation of mismatch repair proteins MSH2 and MSH6 affecting MutSalpha mismatch-binding activity. Nucleic Acids Research, 2002, 30, 1959-1966.	14.5	60
12	Comparison of the genotoxic and apoptosis-inducing properties of ganciclovir and penciclovir in Chinese hamster ovary cells transfected with the thymidine kinase gene of herpes simplex virus-1: Implications for gene therapeutic approaches. Cancer Gene Therapy, 2000, 7, 107-117.	4.6	53
13	Three prime exonuclease I (TREX1) is Fos/AP-1 regulated by genotoxic stress and protects against ultraviolet light and benzo(a)pyrene-induced DNA damage. Nucleic Acids Research, 2010, 38, 6418-6432.	14.5	52
14	Translesion Polymerase Î· Is Upregulated by Cancer Therapeutics and Confers Anticancer Drug Resistance. Cancer Research, 2014, 74, 5585-5596.	0.9	48
15	A role for UV-light-induced c-Fos: stimulation of nucleotide excision repair and protection against sustained JNK activation and apoptosis. Carcinogenesis, 2007, 28, 183-190.	2.8	47
16	c-Fos is required for excision repair of UV-light induced DNA lesions by triggering the re-synthesis of XPF. Nucleic Acids Research, 2006, 34, 6530-6539.	14.5	46
17	Topotecan-Triggered Degradation of Topoisomerase I Is p53-Dependent and Impacts Cell Survival. Cancer Research, 2005, 65, 8920-8926.	0.9	44
18	Evaluation of antiaggregatory activity of flavonoid aglycone series. Nutrition Journal, 2011, 10, 73.	3.4	44

#	Article	IF	Citations
19	Comparative analysis of DNA breakage, chromosomal aberrations and apoptosis induced by the anti-herpes purine nucleoside analogues aciclovir, ganciclovir and penciclovir. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2002, 505, 1-11.	1.0	42
20	Apoptosis induced by temozolomide and nimustine in glioblastoma cells is supported by JNK/c-Jun-mediated induction of the BH3-only protein BIM. Oncotarget, 2015, 6, 33755-33768.	1.8	42
21	Class I histone deacetylases regulate p53/NF-Î²B crosstalk in cancer cells. Cellular Signalling, 2017, 29, 218-225.	3.6	41
22	Repair gene O⁶â€methylguanineâ€DNA methyltransferase is controlled by SP1 and upâ€regulated by glucocorticoids, but not by temozolomide and radiation. Journal of Neurochemistry, 2018, 144, 139-151.	3.9	41
23	Expression of yeast but not human apurinic/apyrimidinic endonuclease renders Chinese hamster cells more resistant to DNA damaging agents. Mutation Research DNA Repair, 1997, 383, 155-165.	3.7	40
24	Adaptive upregulation of DNA repair genes following benzo(a)pyrene diol epoxide protects against cell death at the expense of mutations. Nucleic Acids Research, 2016, 44, 10727-10743.	14.5	37
25	Antithrombotic activity of flavonoids and polyphenols rich plant species. Acta Pharmaceutica, 2019, 69, 483-495.	2.0	37
26	Fen1 is induced p53 dependently and involved in the recovery from UV-light-induced replication inhibition. Oncogene, 2005, 24, 8304-8313.	5.9	34
27	Topotecan Triggers Apoptosis in p53-Deficient Cells by Forcing Degradation of XIAP and Survivin Thereby Activating Caspase-3-Mediated Bid Cleavage. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 316-325.	2.5	33
28	Delayed c-Fos activation in human cells triggers XPF induction and an adaptive response to UVC-induced DNA damage and cytotoxicity. Cellular and Molecular Life Sciences, 2011, 68, 1785-1798.	5.4	29
29	Integrin Î±VÎ²3 silencing sensitizes malignant glioma cells to temozolomide by suppression of homologous recombination repair. Oncotarget, 2017, 8, 27754-27771.	1.8	28
30	Human three prime exonuclease TREX1 is induced by genotoxic stress and involved in protection of glioma and melanoma cells to anticancer drugs. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1832-1843.	4.1	23
31	Benzo[a]pyrene represses DNA repair through altered E2F1/E2F4 function marking an early event in DNA damage-induced cellular senescence. Nucleic Acids Research, 2020, 48, 12085-12101.	14.5	23
32	WRN protects against topo I but not topo II inhibitors by preventing DNA break formation. DNA Repair, 2008, 7, 1999-2009.	2.8	20
33	Differential Effects of Integrin Î±v Knockdown and Cilengitide on Sensitization of Triple-Negative Breast Cancer and Melanoma Cells to Microtubule Poisons. Molecular Pharmacology, 2018, 94, 1334-1351.	2.3	20
34	Targeting c-IAP1, c-IAP2, and Bcl-2 Eliminates Senescent Glioblastoma Cells Following Temozolomide Treatment. Cancers, 2021, 13, 3585.	3.7	19
35	Apoptosis Induced by (E)-5-(2-Bromovinyl)-2â€²-deoxyuridine in Varicella Zoster Virus Thymidine Kinase-Expressing Cells Is Driven by Activation of c-Jun/Activator Protein-1 and Fas Ligand/Caspase-8. Molecular Pharmacology, 2003, 63, 439-449.	2.3	15
36	Hamster Bcl-2 Protein Is Cleaved in Vitro and in Cells by Caspase-9 and Caspase-3. Biochemical and Biophysical Research Communications, 2001, 281, 404-408.	2.1	14

#	Article	IF	Citations
37	Interference of selected flavonoid aglycons in platelet aggregation assays. Clinical Chemistry and Laboratory Medicine, 2012, 50, 1403-8.	2.3	14
38	Oxaliplatin-Induced Senescence in Colorectal Cancer Cells Depends on p14ARF-Mediated Sustained p53 Activation. Cancers, 2021, 13, 2019.	3.7	14
39	Epigenetic Alterations Upstream and Downstream of p53 Signaling in Colorectal Carcinoma. Cancers, 2021, 13, 4072.	3.7	14
40	Epigenetic silencing of XAF1 in high-grade gliomas is associated with IDH1 status and improved clinical outcome. Oncotarget, 2017, 8, 15071-15084.	1.8	13
41	Sensitization of colorectal cancer cells to irinotecan by the Survivin inhibitor LLP3 depends on XAF1 proficiency in the context of mutated p53. Archives of Toxicology, 2018, 92, 2645-2648.	4.2	13
42	Functional mismatch repair and inactive p53 drive sensitization of colorectal cancer cells to irinotecan via the IAP antagonist BV6. Archives of Toxicology, 2019, 93, 2265-2277.	4.2	13
43	Alterations in Molecular Profiles Affecting Glioblastoma Resistance to Radiochemotherapy: Where Does the Good Go?. Cancers, 2022, 14, 2416.	3.7	13
44	Localization matters: nuclear-trapped Survivin sensitizes glioblastoma cells to temozolomide by elevating cellular senescence and impairing homologous recombination. Cellular and Molecular Life Sciences, 2021, 78, 5587-5604.	5.4	9
45	The chloroethylating anticancer drug ACNU induces FRA1 that is involved in drug resistance of glioma cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1199-1207.	4.1	8
46	Apaf-1 deficient mouse fibroblasts are resistant to MNNG and MMS-induced apoptotic death without attenuation of Bcl-2 decline. Toxicology and Applied Pharmacology, 2005, 207, 117-122.	2.8	7
47	Effect of overexpression of E. coli 3-methyladenine-DNA glycosylase I (Tag) on survival and mutation induction in Salmonella typhimurium. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 358, 81-87.	1.0	5
48	Cloning and Functional Analysis of cDNA Encoding the Hamster Bcl-2 Protein. Biochemical and Biophysical Research Communications, 2000, 275, 899-903.	2.1	4
49	Targeting anticancer drug-induced senescence in glioblastoma therapy. Oncotarget, 2018, 9, 37466-37467.	1.8	4
50	The Effect of Short-Toothed and Dalmatian Sage Extracts on Platelet Aggregation. Food Technology and Biotechnology, 2018, 56, 265-269.	2.1	3
51	Replica to the Opinion Letter regarding the article â€œSensitization of colorectal cancer cells to irinotecan by the Survivin inhibitor LLP3 depends on XAF1 proficiency in the context of mutated p53â€• (Arch Toxicol https://doi.org/10.1007/s00204-018-240-x). Archives of Toxicology, 2018, 92, 3243-3244.	4.2	1