

Wynand P Roos

List of Publications by Year in descending order

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49
papers

6,338
citations

186265
28
h-index

214800
47
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52
all docs

52
docs citations

52
times ranked

10265
citing authors

#	ARTICLE	IF	CITATIONS
1	The epigenetic modifier HDAC2 and the checkpoint kinase ATM determine the responses of microsatellite instable colorectal cancer cells to 5-fluorouracil. <i>Cell Biology and Toxicology</i> , 2023, 39, 2401-2419.	5.3	6
2	Epigenetic Anti-Cancer Treatment With a Stabilized Carbocyclic Decitabine Analogue. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
3	Class I HDAC overexpression promotes temozolomide resistance in glioma cells by regulating RAD18 expression. <i>Cell Death and Disease</i> , 2022, 13, 293.	6.3	20
4	In Vitro Assessment of the Genotoxic Hazard of Novel Hydroxamic Acid- and Benzamide-Type Histone Deacetylase Inhibitors (HDACi). <i>International Journal of Molecular Sciences</i> , 2020, 21, 4747.	4.1	3
5	Anticancer drug and ionizing radiation-induced DNA damage differently influences transcription activity and DDR-related stress responses of an endothelial monolayer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118678.	4.1	7
6	The SIAH1-HIPK2-p53ser46 Damage Response Pathway is Involved in Temozolomide-Induced Glioblastoma Cell Death. <i>Molecular Cancer Research</i> , 2019, 17, 1129-1141.	3.4	40
7	Temozolomide Induces Senescence and Repression of DNA Repair Pathways in Glioblastoma Cells via Activation of ATR-CHK1, p21, and NF- κ B. <i>Cancer Research</i> , 2019, 79, 99-113.	0.9	126
8	XRCC3 contributes to temozolomide resistance of glioblastoma cells by promoting DNA double-strand break repair. <i>Cancer Letters</i> , 2018, 424, 119-126.	7.2	34
9	Multiple DNA damage-dependent and DNA damage-independent stress responses define the outcome of ATR/Chk1 targeting in medulloblastoma cells. <i>Cancer Letters</i> , 2018, 430, 34-46.	7.2	17
10	Chloroethylating nitrosoureas in cancer therapy: DNA damage, repair and cell death signaling. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1868, 29-39.	7.4	43
11	Assessing the Effect of Class I Histone Deacetylase Activity on DNA Double-Strand Break Repair by Homologous Recombination. <i>Methods in Molecular Biology</i> , 2017, 1510, 115-123.	0.9	2
12	DNA damage and the balance between survival and death in cancer biology. <i>Nature Reviews Cancer</i> , 2016, 16, 20-33.	28.4	870
13	The inducible E3 ubiquitin ligases SIAH1 and SIAH2 perform critical roles in breast and prostate cancers. <i>Cytokine and Growth Factor Reviews</i> , 2015, 26, 405-413.	7.2	23
14	Targeting components of the alternative NHEJ pathway sensitizes KRAS mutant leukemic cells to chemotherapy. <i>Blood</i> , 2014, 123, 2355-2366.	1.4	39
15	Cytolethal distending toxin (CDT) is a radiomimetic agent and induces persistent levels of DNA double-strand breaks in human fibroblasts. <i>DNA Repair</i> , 2014, 18, 31-43.	2.8	67
16	Malignant melanoma cells acquire resistance to DNA interstrand cross-linking chemotherapeutics by p53-triggered upregulation of DDB2/XPC-mediated DNA repair. <i>Oncogene</i> , 2014, 33, 1964-1974.	5.9	64
17	B-Raf inhibitor vemurafenib in combination with temozolomide and fotemustine in the killing response of malignant melanoma cells. <i>Oncotarget</i> , 2014, 5, 12607-12620.	1.8	16
18	Contribution of ATM and ATR to the Resistance of Glioblastoma and Malignant Melanoma Cells to the Methylating Anticancer Drug Temozolomide. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 2529-2540.	4.1	85

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19	DNA damage-induced cell death: From specific DNA lesions to the DNA damage response and apoptosis. <i>Cancer Letters</i> , 2013, 332, 237-248.	7.2	720
20	Survival and Death Strategies in Glioma Cells: Autophagy, Senescence and Apoptosis Triggered by a Single Type of Temozolomide-Induced DNA Damage. <i>PLoS ONE</i> , 2013, 8, e55665.	2.5	218
21	Rac1 Protein Signaling Is Required for DNA Damage Response Stimulated by Topoisomerase II Poisons. <i>Journal of Biological Chemistry</i> , 2012, 287, 38590-38599.	3.4	55
22	Survival and Death Strategies in Cells Exposed to Genotoxins. <i>Issues in Toxicology</i> , 2012, , 215-238.	0.1	0
23	Rad51 and BRCA2 - New Molecular Targets for Sensitizing Glioma Cells to Alkylating Anticancer Drugs. <i>PLoS ONE</i> , 2011, 6, e27183.	2.5	79
24	O6-Methylguanine-DNA methyltransferase (MGMT) in normal tissues and tumors: Enzyme activity, promoter methylation and immunohistochemistry. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2011, 1816, 179-190.	7.4	142
25	Intrinsic Anticancer Drug Resistance of Malignant Melanoma Cells Is Abrogated by IFN- \hat{I}^2 and Valproic Acid. <i>Cancer Research</i> , 2011, 71, 4150-4160.	0.9	31
26	Processing of O ⁶ -methylguanine into DNA double-strand breaks requires two rounds of replication whereas apoptosis is also induced in subsequent cell cycles. <i>Cell Cycle</i> , 2010, 9, 168-178.	2.6	128
27	Nijmegen Breakage Syndrome Protein (NBN) Causes Resistance to Methylating Anticancer Drugs Such as Temozolomide. <i>Molecular Pharmacology</i> , 2010, 78, 943-951.	2.3	16
28	Response of pancreatic cancer cells treated with interferon- \hat{I}^1 or \hat{I}^2 and co-exposed to ionising radiation. <i>International Journal of Radiation Biology</i> , 2010, 86, 732-741.	1.8	10
29	DNA Damage Response and the Balance Between Cell Survival and Cell Death. , 2010, , 95-108.		0
30	The Translesion Polymerase Rev3L in the Tolerance of Alkylating Anticancer Drugs. <i>Molecular Pharmacology</i> , 2009, 76, 927-934.	2.3	45
31	Cisplatin sensitivity is related to late DNA damage processing and checkpoint control rather than to the early DNA damage response. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 670, 32-41.	1.0	28
32	Brca2/Xrcc2 dependent HR, but not NHEJ, is required for protection against O6-methylguanine triggered apoptosis, DSBs and chromosomal aberrations by a process leading to SCEs. <i>DNA Repair</i> , 2009, 8, 72-86.	2.8	91
33	Temozolomide- and fotemustine-induced apoptosis in human malignant melanoma cells: response related to MGMT, MMR, DSBs, and p53. <i>British Journal of Cancer</i> , 2009, 100, 322-333.	6.4	90
34	DNA Replication Arrest in Response to Genotoxic Stress Provokes Early Activation of Stress-Activated Protein Kinases (SAPK/JNK). <i>Journal of Molecular Biology</i> , 2009, 385, 1409-1421.	4.2	19
35	p53 Mutant Human Glioma Cells Are Sensitive to UV-C-Induced Apoptosis Due to Impaired Cyclobutane Pyrimidine Dimer Removal. <i>Molecular Cancer Research</i> , 2009, 7, 237-246.	3.4	28
36	WRN protects against topo I but not topo II inhibitors by preventing DNA break formation. <i>DNA Repair</i> , 2008, 7, 1999-2009.	2.8	20

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37	Apoptotic death induced by the cyclophosphamide analogue mafosfamide in human lymphoblastoid cells: Contribution of DNA replication, transcription inhibition and Chk/p53 signaling. <i>Toxicology and Applied Pharmacology</i> , 2008, 229, 20-32.	2.8	46
38	Artesunate Derived from Traditional Chinese Medicine Induces DNA Damage and Repair. <i>Cancer Research</i> , 2008, 68, 4347-4351.	0.9	180
39	DNA Methylation Damage: Formation, Repair and Biological Consequences. , 2007, , 99-121.		5
40	Differential Sensitivity of Malignant Glioma Cells to Methylating and Chloroethylating Anticancer Drugs: p53 Determines the Switch by Regulating <i>xpc, ddb2</i> , and DNA Double-Strand Breaks. <i>Cancer Research</i> , 2007, 67, 11886-11895.	0.9	96
41	MGMT: Key node in the battle against genotoxicity, carcinogenicity and apoptosis induced by alkylating agents. <i>DNA Repair</i> , 2007, 6, 1079-1099.	2.8	549
42	DNA repair in defence against genotoxin-induced apoptosis. <i>Toxicology Letters</i> , 2006, 164, S56-S57.	0.8	2
43	DNA damage-induced cell death by apoptosis. <i>Trends in Molecular Medicine</i> , 2006, 12, 440-450.	6.7	1,272
44	O ⁶ -methylguanine DNA methyltransferase and p53 status predict temozolomide sensitivity in human malignant glioma cells. <i>Journal of Neurochemistry</i> , 2006, 96, 766-776.	3.9	290
45	Lovastatin Protects Human Endothelial Cells from Killing by Ionizing Radiation without Impairing Induction and Repair of DNA Double-Strand Breaks. <i>Clinical Cancer Research</i> , 2006, 12, 933-939.	7.0	87
46	Apoptosis triggered by DNA damage O ⁶ -methylguanine in human lymphocytes requires DNA replication and is mediated by p53 and Fas/CD95/Apo-1. <i>Oncogene</i> , 2004, 23, 359-367.	5.9	114
47	Mechanisms of human DNA repair: an update. <i>Toxicology</i> , 2003, 193, 3-34.	4.2	486
48	Apoptosis induced by MNNG in human TK6 lymphoblastoid cells is p53 and Fas/CD95/Apo-1 related. <i>Mutation Research - Reviews in Mutation Research</i> , 2003, 544, 167-172.	5.5	24
49	Title is missing!. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2003, 26, e1-e6.	1.3	1