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 g-index

52 all docs	52 docs citations	52 times ranked	10265 citing authors

#	Article	IF	Citations
1	DNA damage-induced cell death by apoptosis. Trends in Molecular Medicine, 2006, 12, 440-450.	6.7	1,272
2	DNA damage and the balance between survival and death in cancer biology. Nature Reviews Cancer, 2016, 16, 20-33.	28.4	870
3	DNA damage-induced cell death: From specific DNA lesions to the DNA damage response and apoptosis. Cancer Letters, 2013, 332, 237-248.	7.2	720
4	MGMT: Key node in the battle against genotoxicity, carcinogenicity and apoptosis induced by alkylating agents. DNA Repair, 2007, 6, 1079-1099.	2.8	549
5	Mechanisms of human DNA repair: an update. Toxicology, 2003, 193, 3-34.	4.2	486
6	O⁶â€methylguanine DNA methyltransferase and p53 status predict temozolomide sensitivity in human malignant glioma cells. Journal of Neurochemistry, 2006, 96, 766-776.	3.9	290
7	Survival and Death Strategies in Glioma Cells: Autophagy, Senescence and Apoptosis Triggered by a Single Type of Temozolomide-Induced DNA Damage. PLoS ONE, 2013, 8, e55665.	2.5	218
8	Artesunate Derived from Traditional Chinese Medicine Induces DNA Damage and Repair. Cancer Research, 2008, 68, 4347-4351.	0.9	180
9	O6-Methylguanine-DNA methyltransferase (MGMT) in normal tissues and tumors: Enzyme activity, promoter methylation and immunohistochemistry. Biochimica Et Biophysica Acta: Reviews on Cancer, 2011, 1816, 179-190.	7.4	142
10	Processing of O⁶-methylguanine into DNA double-strand breaks requires two rounds of replication whereas apoptosis is also induced in subsequent cell cycles. Cell Cycle, 2010, 9, 168-178.	2.6	128
11	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
12	Apoptosis triggered by DNA damage O6-methylguanine in human lymphocytes requires DNA replication and is mediated by p53 and Fas/CD95/Apo-1. Oncogene, 2004, 23, 359-367.	5.9	114
13	Differential Sensitivity of Malignant Glioma Cells to Methylating and Chloroethylating Anticancer Drugs: p53 Determines the Switch by Regulating xpc, ddb2, and DNA Double-Strand Breaks. Cancer Research, 2007, 67, 11886-11895.	0.9	96
14	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. DNA Repair, 2009, 8, 72-86.	2.8	91
15	Temozolomide- and fotemustine-induced apoptosis in human malignant melanoma cells: response related to MGMT, MMR, DSBs, and p53. British Journal of Cancer, 2009, 100, 322-333.	6.4	90
16	Lovastatin Protects Human Endothelial Cells from Killing by Ionizing Radiation without Impairing Induction and Repair of DNA Double-Strand Breaks. Clinical Cancer Research, 2006, 12, 933-939.	7.0	87
17	Contribution of ATM and ATR to the Resistance of Glioblastoma and Malignant Melanoma Cells to the Methylating Anticancer Drug Temozolomide. Molecular Cancer Therapeutics, 2013, 12, 2529-2540.	4.1	85
18	Rad51 and BRCA2 - New Molecular Targets for Sensitizing Glioma Cells to Alkylating Anticancer Drugs. PLoS ONE, 2011, 6, e27183.	2.5	79

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19	Cytolethal distending toxin (CDT) is a radiomimetic agent and induces persistent levels of DNA double-strand breaks in human fibroblasts. DNA Repair, 2014, 18, 31-43.	2.8	67
20	Malignant melanoma cells acquire resistance to DNA interstrand cross-linking chemotherapeutics by p53-triggered upregulation of DDB2/XPC-mediated DNA repair. Oncogene, 2014, 33, 1964-1974.	5.9	64
21	Rac1 Protein Signaling Is Required for DNA Damage Response Stimulated by Topoisomerase II Poisons. Journal of Biological Chemistry, 2012, 287, 38590-38599.	3.4	55
22	Apoptotic death induced by the cyclophosphamide analogue mafosfamide in human lymphoblastoid cells: Contribution of DNA replication, transcription inhibition and Chk/p53 signaling. Toxicology and Applied Pharmacology, 2008, 229, 20-32.	2.8	46
23	The Translesion Polymerase Rev3L in the Tolerance of Alkylating Anticancer Drugs. Molecular Pharmacology, 2009, 76, 927-934.	2.3	45
24	Chloroethylating nitrosoureas in cancer therapy: DNA damage, repair and cell death signaling. Biochimica Et Biophysica Acta: Reviews on Cancer, 2017, 1868, 29-39.	7.4	43
25	The SIAH1â€“HIPK2â€“p53ser46 Damage Response Pathway is Involved in Temozolomide-Induced Glioblastoma Cell Death. Molecular Cancer Research, 2019, 17, 1129-1141.	3.4	40
26	Targeting components of the alternative NHEJ pathway sensitizes KRAS mutant leukemic cells to chemotherapy. Blood, 2014, 123, 2355-2366.	1.4	39
27	XRCC3 contributes to temozolomide resistance of glioblastoma cells by promoting DNA double-strand break repair. Cancer Letters, 2018, 424, 119-126.	7.2	34
28	Intrinsic Anticancer Drug Resistance of Malignant Melanoma Cells Is Abrogated by IFN-Î² and Valproic Acid. Cancer Research, 2011, 71, 4150-4160.	0.9	31
29	Cisplatin sensitivity is related to late DNA damage processing and checkpoint control rather than to the early DNA damage response. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 670, 32-41.	1.0	28
30	p53 Mutant Human Glioma Cells Are Sensitive to UV-C-Induced Apoptosis Due to Impaired Cyclobutane Pyrimidine Dimer Removal. Molecular Cancer Research, 2009, 7, 237-246.	3.4	28
31	Apoptosis induced by MNNG in human TK6 lymphoblastoid cells is p53 and Fas/CD95/Apo-1 related. Mutation Research - Reviews in Mutation Research, 2003, 544, 167-172.	5.5	24
32	The inducible E3 ubiquitin ligases SIAH1 and SIAH2 perform critical roles in breast and prostate cancers. Cytokine and Growth Factor Reviews, 2015, 26, 405-413.	7.2	23
33	WRN protects against topo I but not topo II inhibitors by preventing DNA break formation. DNA Repair, 2008, 7, 1999-2009.	2.8	20
34	Class I HDAC overexpression promotes temozolomide resistance in glioma cells by regulating RAD18 expression. Cell Death and Disease, 2022, 13, 293.	6.3	20
35	DNA Replication Arrest in Response to Genotoxic Stress Provokes Early Activation of Stress-Activated Protein Kinases (SAPK/JNK). Journal of Molecular Biology, 2009, 385, 1409-1421.	4.2	19
36	Multiple DNA damage-dependent and DNA damage-independent stress responses define the outcome of ATR/Chk1 targeting in medulloblastoma cells. Cancer Letters, 2018, 430, 34-46.	7.2	17

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37	Nijmegen Breakage Syndrome Protein (NBN) Causes Resistance to Methylating Anticancer Drugs Such as Temozolomide. Molecular Pharmacology, 2010, 78, 943-951.	2.3	16
38	B-Raf inhibitor vemurafenib in combination with temozolomide and fotemustine in the killing response of malignant melanoma cells. Oncotarget, 2014, 5, 12607-12620.	1.8	16
39	Response of pancreatic cancer cells treated with interferon-Î± or Î² and co-exposed to ionising radiation. International Journal of Radiation Biology, 2010, 86, 732-741.	1.8	10
40	Anticancer drug and ionizing radiation-induced DNA damage differently influences transcription activity and DDR-related stress responses of an endothelial monolayer. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118678.	4.1	7
41	The epigenetic modifier HDAC2 and the checkpoint kinase ATM determine the responses of microsatellite instable colorectal cancer cells to 5-fluorouracil. Cell Biology and Toxicology, 2023, 39, 2401-2419.	5.3	6
42	DNA Methylation Damage: Formation, Repair and Biological Consequences. , 2007, , 99-121.		5
43	In Vitro Assessment of the Genotoxic Hazard of Novel Hydroxamic Acid- and Benzamide-Type Histone Deacetylase Inhibitors (HDACi). International Journal of Molecular Sciences, 2020, 21, 4747.	4.1	3
44	Epigenetic Antiâ€€cancer Treatment With a Stabilized Carbocyclic Decitabine Analogue. Chemistry - A European Journal, 2022, 28, .	3.3	3
45	DNA repair in defence against genotoxin-induced apoptosis. Toxicology Letters, 2006, 164, S56-S57.	0.8	2
46	Assessing the Effect of Class I Histone Deacetylase Activity on DNA Double-Strand Break Repair by Homologous Recombination. Methods in Molecular Biology, 2017, 1510, 115-123.	0.9	2
47	Title is missing!. American Journal of Clinical Oncology: Cancer Clinical Trials, 2003, 26, e1-e6.	1.3	1
48	Survival and Death Strategies in Cells Exposed to Genotoxins. Issues in Toxicology, 2012, , 215-238.	0.1	0
49	DNA Damage Response and the Balance Between Cell Survival and Cell Death. , 2010, , 95-108.		0