

Olivier Sordet

List of Publications by Year in descending order

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53
papers

4,427
citations

109321

35
h-index

197818

49
g-index

54
all docs

54
docs citations

54
times ranked

5980
citing authors

#	ARTICLE	IF	CITATIONS
1	Apoptosis defects and chemotherapy resistance: molecular interaction maps and networks. <i>Oncogene</i> , 2004, 23, 2934-2949.	5.9	524
2	Topoisomerase I-Mediated Inhibition of Hypoxia-Inducible Factor 1. <i>Cancer Research</i> , 2004, 64, 1475-1482.	0.9	303
3	Specific involvement of caspases in the differentiation of monocytes into macrophages. <i>Blood</i> , 2002, 100, 4446-4453.	1.4	287
4	Repair of and checkpoint response to topoisomerase I-mediated DNA damage. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 532, 173-203.	1.0	263
5	Repair of Topoisomerase I-Mediated DNA Damage. <i>Progress in Molecular Biology and Translational Science</i> , 2006, 81, 179-229.	1.9	247
6	DNA damage and genome instability by G-quadruplex ligands are mediated by R loops in human cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 816-825.	7.1	217
7	Ataxia telangiectasia mutated activation by transcription and topoisomerase I-induced DNA double-strand breaks. <i>EMBO Reports</i> , 2009, 10, 887-893.	4.5	208
8	Glutathione is implied in the control of β -ketosteroid-induced apoptosis, which is associated with radical oxygen species production. <i>FASEB Journal</i> , 1998, 12, 1651-1663.	0.5	192
9	Apoptosis Induced by Topoisomerase Inhibitors. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2003, 3, 271-290.	7.0	176
10	Inhibition of Histone Deacetylase in Cancer Cells Slows Down Replication Forks, Activates Dormant Origins, and Induces DNA Damage. <i>Cancer Research</i> , 2010, 70, 4470-4480.	0.9	135
11	Dual Processing of R-Loops and Topoisomerase I Induces Transcription-Dependent DNA Double-Strand Breaks. <i>Cell Reports</i> , 2019, 28, 3167-3181.e6.	6.4	108
12	Death Receptor-Induced Activation of the Chk2- and Histone H2AX-Associated DNA Damage Response Pathways. <i>Molecular and Cellular Biology</i> , 2009, 29, 68-82.	2.3	99
13	Defective Mre11-dependent Activation of Chk2 by Ataxia Telangiectasia Mutated in Colorectal Carcinoma Cells in Response to Replication-dependent DNA Double Strand Breaks. <i>Journal of Biological Chemistry</i> , 2006, 281, 30814-30823.	3.4	98
14	Characterization of novel antisense HIF-1 β transcripts in human cancers. <i>Cell Cycle</i> , 2011, 10, 3189-3197.	2.6	92
15	p27Kip1 induces drug resistance by preventing apoptosis upstream of cytochrome c release and procaspase-3 activation in leukemic cells. <i>Oncogene</i> , 1999, 18, 1411-1418.	5.9	86
16	Hereditary ataxia SCAN1 cells are defective for the repair of transcription-dependent topoisomerase I cleavage complexes. <i>DNA Repair</i> , 2006, 5, 1489-1494.	2.8	86
17	Caspase-induced proteolysis of the cyclin-dependent kinase inhibitor p27Kip1 mediates its anti-apoptotic activity. <i>Oncogene</i> , 1999, 18, 4839-4847.	5.9	84
18	Mitochondria-targeting drugs arsenic trioxide and lonidamine bypass the resistance of TPA-differentiated leukemic cells to apoptosis. <i>Blood</i> , 2001, 97, 3931-3940.	1.4	79

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19	DNA-PK triggers histone ubiquitination and signaling in response to DNA double-strand breaks produced during the repair of transcription-blocking topoisomerase I lesions. <i>Nucleic Acids Research</i> , 2016, 44, 1161-1178.	14.5	75
20	Targeting Chk2 Kinase: Molecular Interaction Maps and Therapeutic Rationale. <i>Current Pharmaceutical Design</i> , 2005, 11, 2855-2572.	1.9	71
21	Î³-H2AX Detection in Peripheral Blood Lymphocytes, Splenocytes, Bone Marrow, Xenografts, and Skin. <i>Methods in Molecular Biology</i> , 2011, 682, 249-270.	0.9	66
22	Apoptotic Topoisomerase I-DNA Complexes Induced by Staurosporine-mediated Oxygen Radicals. <i>Journal of Biological Chemistry</i> , 2004, 279, 50499-50504.	3.4	62
23	Homologous Recombination Is the Principal Pathway for the Repair of DNA Damage Induced by Tirapazamine in Mammalian Cells. <i>Cancer Research</i> , 2008, 68, 257-265.	0.9	60
24	Involvement of caspase-2 long isoform in Fas-mediated cell death of human leukemic cells. <i>Blood</i> , 2001, 97, 1835-1844.	1.4	57
25	Translocation of the inhibitor of apoptosis protein c-IAP1 from the nucleus to the Golgi in hematopoietic cells undergoing differentiation: a nuclear export signal-mediated event. <i>Blood</i> , 2004, 104, 2035-2043.	1.4	55
26	Hyperphosphorylation of RNA Polymerase II in Response to Topoisomerase I Cleavage Complexes and Its Association with Transcription- and BRCA1-dependent Degradation of Topoisomerase I. <i>Journal of Molecular Biology</i> , 2008, 381, 540-549.	4.2	55
27	Selective inhibition of apoptosis by TPA-induced differentiation of U937 leukemic cells. <i>Cell Death and Differentiation</i> , 1999, 6, 351-361.	11.2	49
28	Novel E-ring camptothecin keto analogues (S38809 and S39625) are stable, potent, and selective topoisomerase I inhibitors without being substrates of drug efflux transporters. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 3229-3238.	4.1	48
29	Apoptotic Topoisomerase I-DNA Complexes Induced by Oxygen Radicals and Mitochondrial Dysfunction. <i>Cell Cycle</i> , 2004, 3, 1093-1095.	2.6	47
30	A Novel Polypyrimidine Antitumor Agent FdUMP[10] Induces Thymineless Death with Topoisomerase I-DNA Complexes. <i>Cancer Research</i> , 2005, 65, 4844-4851.	0.9	47
31	DNA double-strand breaks and ATM activation by transcription-blocking DNA lesions. <i>Cell Cycle</i> , 2010, 9, 274-278.	2.6	47
32	Topoisomerase I-DNA Complexes Contribute to Arsenic Trioxide-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2004, 279, 33968-33975.	3.4	41
33	Von Hippel-Lindauâ€“Coupled and Transcription-Coupled Nucleotide Excision Repairâ€“Dependent Degradation of RNA Polymerase II in Response to Trabectedin. <i>Clinical Cancer Research</i> , 2008, 14, 6449-6455.	7.0	41
34	Dynamic Effects of Topoisomerase I Inhibition on R-Loops and Short Transcripts at Active Promoters. <i>PLoS ONE</i> , 2016, 11, e0147053.	2.5	41
35	RhoB Promotes Î³H2AX Dephosphorylation and DNA Double-Strand Break Repair. <i>Molecular and Cellular Biology</i> , 2014, 34, 3144-3155.	2.3	37
36	A Targeted Protein Degradation Cell-Based Screening for Nanobodies Selective toward the Cellular RHOB GTP-Bound Conformation. <i>Cell Chemical Biology</i> , 2019, 26, 1544-1558.e6.	5.2	32

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37	The c-Jun/RHOB/AKT pathway confers resistance of <i>BRAF</i> -mutant melanoma cells to MAPK inhibitors. <i>Oncotarget</i> , 2015, 6, 15250-15264.	1.8	29
38	Topoisomerase II and tubulin inhibitors both induce the formation of apoptotic topoisomerase I cleavage complexes. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 3139-3144.	4.1	28
39	RhoB Promotes Cancer Initiation by Protecting Keratinocytes from UVB-Induced Apoptosis but Limits Tumor Aggressiveness. <i>Journal of Investigative Dermatology</i> , 2014, 134, 203-212.	0.7	28
40	RNase H2, mutated in Aicardi-Goutières syndrome, resolves co-transcriptional R-loops to prevent DNA breaks and inflammation. <i>Nature Communications</i> , 2022, 13, .	12.8	26
41	Hypoxia induces caspase-9 and caspase-3 activation without neuronal death in gerbil brains. <i>European Journal of Neuroscience</i> , 2004, 20, 937-946.	2.6	25
42	Apoptotic topoisomerase I-DNA complexes induced by oxygen radicals and mitochondrial dysfunction. <i>Cell Cycle</i> , 2004, 3, 1095-7.	2.6	21
43	Topoisomerase I Requirement for Death Receptor-induced Apoptotic Nuclear Fission. <i>Journal of Biological Chemistry</i> , 2008, 283, 23200-23208.	3.4	14
44	The RND1 Small GTPase: Main Functions and Emerging Role in Oncogenesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3612.	4.1	12
45	PARP-1-dependent RND1 transcription induced by topoisomerase I cleavage complexes confers cellular resistance to camptothecin. <i>Cell Death and Disease</i> , 2018, 9, 931.	6.3	7
46	Transcription-dependent DNA double-strand breaks and human disease. <i>Molecular and Cellular Oncology</i> , 2020, 7, 1691905.	0.7	7
47	Transcription-associated DNA breaks and cancer: A matter of DNA topology. <i>International Review of Cell and Molecular Biology</i> , 2021, 364, 195-240.	3.2	5
48	BCR-ABL Delays Apoptosis Upstream of Procaspase-3 Activation. <i>Blood</i> , 1998, 91, 2415-2422.	1.4	4
49	CELL DEATH PATHWAYS AS TARGETS FOR ANTICANCER DRUGS. , 2002, , 55-76.		3
50	A Targeted Protein Degradation Cell-Based Screening for Nanobodies Selective Towards the Cellular RHOB GTP-Bound Conformation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
51	Topoisomerases and Apoptosis. <i>Cancer Drug Discovery and Development</i> , 2012, , 409-435.	0.4	0
52	A Targeted Protein Degradation Cell-Based Screening for Intracellular Nanobodies to Assess the Functions of RHOB GTP-Bound Conformation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
53	Topoisomerase I Poisons and Apoptotic Topoisomerase I-DNA Complexes. , 2007, , 383-406.		0