

Zhongtao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,759
citations

331538

21
h-index

552653

26
g-index

32
all docs

32
docs citations

32
times ranked

2488
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Positive Feedback Loop Mediated by the Docking Protein Gab1 and Phosphatidylinositol 3-Kinase in Epidermal Growth Factor Receptor Signaling. <i>Molecular and Cellular Biology</i> , 2000, 20, 1448-1459.	1.1	334
2	Structural Basis for Activation of the Receptor Tyrosine Kinase KIT by Stem Cell Factor. <i>Cell</i> , 2007, 130, 323-334.	13.5	290
3	Crystal Structure of Quinone Reductase 2 in Complex with Resveratrol. <i>Biochemistry</i> , 2004, 43, 11417-11426.	1.2	219
4	Dynamics of mobilization and homing of endothelial progenitor cells after acute renal ischemia: modulation by ischemic preconditioning. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F176-F185.	1.3	139
5	Identification and purification of resveratrol targeting proteins using immobilized resveratrol affinity chromatography. <i>Biochemical and Biophysical Research Communications</i> , 2004, 323, 743-749.	1.0	74
6	Crystal structure of a covalent intermediate in DNA cleavage and rejoining by <i>Escherichia coli</i> DNA topoisomerase I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6939-6944.	3.3	63
7	Initiation and termination of DNA replication during S phase in relation to cyclins D1, E and A, p21WAF1, Cdt1 and the p12 subunit of DNA polymerase δ revealed in individual cells by cytometry. <i>Oncotarget</i> , 2015, 6, 11735-11750.	0.8	59
8	Quinone Reductase 2 Is a Catechol Quinone Reductase. <i>Journal of Biological Chemistry</i> , 2008, 283, 23829-23835.	1.6	53
9	Structural basis for suppression of hypernegative DNA supercoiling by <i>E. coli</i> topoisomerase I. <i>Nucleic Acids Research</i> , 2015, 43, 11031-11046.	6.5	52
10	A Novel Function of CRL4Cdt2. <i>Journal of Biological Chemistry</i> , 2013, 288, 29550-29561.	1.6	49
11	Structure of monoubiquitinated PCNA. <i>Cell Cycle</i> , 2012, 11, 2128-2136.	1.3	48
12	Endostatin and transglutaminase 2 are involved in fibrosis of the aging kidney. <i>Kidney International</i> , 2016, 89, 1281-1292.	2.6	46
13	Regulation of human DNA polymerase delta in the cellular responses to DNA damage. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 683-698.	0.9	39
14	Regulation and Modulation of Human DNA Polymerase δ Activity and Function. <i>Genes</i> , 2017, 8, 190.	1.0	36
15	Spatiotemporal recruitment of human DNA polymerase delta to sites of UV damage. <i>Cell Cycle</i> , 2012, 11, 2885-2895.	1.3	33
16	Identification of RNF8 as a Ubiquitin Ligase Involved in Targeting the p12 Subunit of DNA Polymerase δ for Degradation in Response to DNA Damage. <i>Journal of Biological Chemistry</i> , 2013, 288, 2941-2950.	1.6	31
17	The tail that wags the dog: p12, the smallest subunit of DNA polymerase δ , is degraded by ubiquitin ligases in response to DNA damage and during cell cycle progression. <i>Cell Cycle</i> , 2014, 13, 23-31.	1.3	29
18	PDIP38 is translocated to the spliceosomes/nuclear speckles in response to UV-induced DNA damage and is required for UV-induced alternative splicing of MDM2. <i>Cell Cycle</i> , 2013, 12, 3373-3382.	1.3	26

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19	Crystal structure of quinone reductase 2 in complex with cancer prodrug CB1954. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 332-338.	1.0	25
20	Dynamics of enzymatic interactions during short flap human Okazaki fragment processing by two forms of human DNA polymerase δ . <i>DNA Repair</i> , 2013, 12, 922-935.	1.3	25
21	Expression of the p12 subunit of human DNA polymerase δ (Pol δ), CDK inhibitor p21 ^{WAF1} , Cdt1, cyclin A, PCNA and Ki-67 in relation to DNA replication in individual cells. <i>Cell Cycle</i> , 2014, 13, 3529-3540.	1.3	21
22	Two forms of human DNA polymerase δ : Who does what and why?. <i>DNA Repair</i> , 2019, 81, 102656.	1.3	16
23	Loss of the p12 subunit of DNA polymerase delta leads to a defect in HR and sensitization to PARP inhibitors. <i>DNA Repair</i> , 2019, 73, 64-70.	1.3	15
24	PDIP46 (DNA polymerase δ interacting protein 46) is an activating factor for human DNA polymerase δ . <i>Oncotarget</i> , 2016, 7, 6294-6313.	0.8	15
25	Phosphorylation Alters the Properties of Pol δ : Implications for Translesion Synthesis. <i>IScience</i> , 2018, 6, 52-67.	1.9	13
26	Discovery of a novel DNA polymerase inhibitor and characterization of its antiproliferative properties. <i>Cancer Biology and Therapy</i> , 2019, 20, 474-486.	1.5	8
27	Neurodegeneration: Potential Causes, Prevention, and Future Treatment Options. <i>Nature Precedings</i> , 0, , .	0.1	1
28	Neurodegeneration: Potential Causes, Prevention, and Future Treatment Options. <i>Nature Precedings</i> , 0, , .	0.1	0
29	Identification of RNF8 as a ubiquitin ligase involved in targeting the p12 subunit of DNA polymerase δ for degradation in response to DNA damage.. <i>Journal of Biological Chemistry</i> , 2014, 289, 1212.	1.6	0
30	PDIP46 is a Pol δ and PCNA Binding Protein that Stimulates Human Pol δ Activity. <i>FASEB Journal</i> , 2015, 29, 560.11.	0.2	0
31	Phosphorylation Alters the Properties of Pol δ : Implications for Translesion Synthesis and Cancer Etiology. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0