

Roy M Golsteyn

List of Publications by Year in descending order

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36
papers

1,473
citations

394421

19
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

2370
citing authors

#	ARTICLE	IF	CITATIONS
1	The dynamics of actin-based motility depend on surface parameters. <i>Nature</i> , 2002, 417, 308-311.	27.8	224
2	Genotoxic Anti-Cancer Agents and Their Relationship to DNA Damage, Mitosis, and Checkpoint Adaptation in Proliferating Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3403-3431.	4.1	155
3	Characterization of the Interaction between Zyxin and Members of the Ena/Vasodilator-stimulated Phosphoprotein Family of Proteins. <i>Journal of Biological Chemistry</i> , 2000, 275, 22503-22511.	3.4	146
4	Cdk1 and Cdk2 complexes (cyclin dependent kinases) in apoptosis: a role beyond the cell cycle. <i>Cancer Letters</i> , 2005, 217, 129-138.	7.2	124
5	ActA and human zyxin harbour Arp2/3-independent actin-polymerization activity. <i>Nature Cell Biology</i> , 2001, 3, 699-707.	10.3	113
6	Characterization of Polo-like Kinase 1 during Meiotic Maturation of the Mouse Oocyte. <i>Developmental Biology</i> , 2000, 220, 392-400.	2.0	76
7	Inhibition of Chk1 Kills Tetraploid Tumor Cells through a p53-Dependent Pathway. <i>PLoS ONE</i> , 2007, 2, e1337.	2.5	67
8	G2/M-Phase Checkpoint Adaptation and Micronuclei Formation as Mechanisms That Contribute to Genomic Instability in Human Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2344.	4.1	61
9	Radiosensitization by Chir-124, a selective Chk1 inhibitor: Effects of p53 and cell cycle checkpoints. <i>Cell Cycle</i> , 2009, 8, 1196-1205.	2.6	54
10	Cancer cells that survive checkpoint adaptation contain micronuclei that harbor damaged DNA. <i>Cell Cycle</i> , 2016, 15, 3131-3145.	2.6	47
11	Synthesis and biological activities of isogranulatimide analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 5965-5980.	3.0	46
12	Generation of Replication-Dependent Double-Strand Breaks by the Novel N2-G-Alkylator S23906-1. <i>Cancer Research</i> , 2006, 66, 7203-7210.	0.9	39
13	Human cells enter mitosis with damaged DNA after treatment with pharmacological concentrations of genotoxic agents. <i>Biochemical Journal</i> , 2012, 446, 373-381.	3.7	37
14	A western blot assay to measure cyclin dependent kinase activity in cells or in vitro without the use of radioisotopes. <i>FEBS Letters</i> , 2013, 587, 3089-3095.	2.8	34
15	Bis-imide granulatimide analogues as potent Checkpoint 1 kinase inhibitors. <i>European Journal of Pharmacology</i> , 2007, 554, 106-112.	3.5	32
16	Pyrolocarbazoles as Checkpoint 1 Kinase Inhibitors. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2008, 8, 577-597.	1.7	25
17	Cytotoxic amounts of cisplatin induce either checkpoint adaptation or apoptosis in a concentration-dependent manner in cancer cells. <i>Biology of the Cell</i> , 2016, 108, 127-148.	2.0	24
18	Synthesis and biological evaluation of new dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6-tetraones, substituted with various saturated and unsaturated side chains via palladium catalyzed cross-coupling reactions. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3825-3834.	3.0	23

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19	Emerging Anti-Mitotic Activities and Other Bioactivities of Sesquiterpene Compounds upon Human Cells. <i>Molecules</i> , 2017, 22, 459.	3.8	22
20	An unusual DNA binding compound, S23906, induces mitotic catastrophe in cultured human cells. <i>Cancer Letters</i> , 2010, 289, 178-187.	7.2	21
21	Rebeccamycin Derivatives as Dual DNA-Damaging Agents and Potent Checkpoint Kinase 1 Inhibitors. <i>Molecular Pharmacology</i> , 2008, 74, 1620-1629.	2.3	18
22	The role of cyclin-dependent kinases in apoptosis. <i>Progress in Cell Cycle Research</i> , 2003, 5, 453-9.	0.9	16
23	An expeditious multigram preparation of the marine protein kinase inhibitor debromohymenialdisine. <i>Tetrahedron Letters</i> , 2003, 44, 9263-9265.	1.4	15
24	Characterization of novel Checkpoint kinase 1 inhibitors by in vitro assays and in human cancer cells treated with topoisomerase inhibitors. <i>Life Sciences</i> , 2011, 89, 259-268.	4.3	10
25	Natural product extracts of the Canadian prairie plant, <i>Thermopsis rhombifolia</i> , have anti-cancer activity in phenotypic cell-based assays. <i>Natural Product Research</i> , 2015, 29, 1026-1034.	1.8	9
26	A three-step synthesis from rebeccamycin of an efficient checkpoint kinase 1 inhibitor. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2234-2238.	5.5	8
27	Measurement of Cdk1/Cyclin B Kinase Activity by Specific Antibodies and Western Blotting. <i>Methods in Molecular Biology</i> , 2016, 1342, 337-348.	0.9	6
28	Isolation of a natural product with anti-mitotic activity from a toxic Canadian prairie plant. <i>Heliyon</i> , 2021, 7, e07131.	3.2	5
29	Synthesis of Cis-Fused Pyran Indolocarbazole Derivatives that Inhibit FLT3 Kinase and the DNA Damage Kinase, Checkpoint Kinase 1. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 194-201.	1.7	3
30	Pulchelloid A, a sesquiterpene lactone from the Canadian prairie plant <i>Gaillardia aristata</i> inhibits mitosis in human cells. <i>Molecular Biology Reports</i> , 2021, 48, 5459-5471.	2.3	3
31	Connecting plant species and natural products from the Canadian prairie ecological zone to biomedical knowledge. <i>Botany</i> , 0, , .	1.0	3
32	Experimental Determination of Checkpoint Adaptation by Mitotic Shake-Off and Microscopy. <i>Methods in Molecular Biology</i> , 2018, 1769, 159-168.	0.9	2
33	The Canadian Prairie Plant <i>Thermopsis rhombifolia</i> Contains Luteolin, a Flavone that Inhibits Cyclin Dependent Kinase 9 and Arrest Cells in the G1-Phase of the Cell Cycle. , 2020, 2, 1-14.		2
34	Synthesis, characterization and anticancer activities of cationic \hat{I} -6-p-cymene ruthenium(II) complexes containing phosphine and nitrogenous ligands. <i>Polyhedron</i> , 2022, 224, 115980.	2.2	2
35	Canada and the Changing Global NHP Landscape: The 17th Annual Conference of the Natural Health Products Research Society of Canada. , 2021, 3, 1-36.		1
36	Extracts Prepared from a Canadian Toxic Plant Induce Light-Dependent Perinuclear Vacuoles in Human Cells. <i>Toxins</i> , 2021, 13, 138.	3.4	0