Roy M Golsteyn

List of Publications by Year
in descending order

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	Synthesis, characterization and anticancer activities of cationic Î·6-p-cymene ruthenium(II) complexes containing phosphine and nitrogenous ligands. Polyhedron, 2022, 224, 115980.	2.2	2
2	Extracts Prepared from a Canadian Toxic Plant Induce Light-Dependent Perinuclear Vacuoles in Human Cells. Toxins, 2021, 13, 138.	3.4	0
3	Isolation of a natural product with anti-mitotic activity from a toxic Canadian prairie plant. Heliyon, 2021, 7, e07131.	3.2	5
4	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
5	Pulchelloid A, a sesquiterpene lactone from the Canadian prairie plant Gaillardia aristata inhibits mitosis in human cells. Molecular Biology Reports, 2021, 48, 5459-5471.	2.3	3
6	The Canadian Prairie Plant Thermopsis rhombifolia 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
7	Experimental Determination of Checkpoint Adaptation byÂMitotic Shake-Off and Microscopy. Methods in Molecular Biology, 2018, 1769, 159-168.	0.9	2
8	G2/M-Phase Checkpoint Adaptation and Micronuclei Formation as Mechanisms That Contribute to Genomic Instability in Human Cells. International Journal of Molecular Sciences, 2017, 18, 2344.	4.1	61
9	Emerging Anti-Mitotic Activities and Other Bioactivities of Sesquiterpene Compounds upon Human Cells. Molecules, 2017, 22, 459.	3.8	22
10	Cytotoxic amounts of cisplatin induce either checkpoint adaptation or apoptosis in a concentrationâ€dependent manner in cancer cells. Biology of the Cell, 2016, 108, 127-148.	2.0	24
11	Cancer cells that survive checkpoint adaptation contain micronuclei that harbor damaged DNA. Cell Cycle, 2016, 15, 3131-3145.	2.6	47
12	Measurement of Cdk1/Cyclin B Kinase Activity by Specific Antibodies and Western Blotting. Methods in Molecular Biology, 2016, 1342, 337-348.	0.9	6
13	Natural product extracts of the Canadian prairie plant,Thermopsis rhombifolia,have anti-cancer activity in phenotypic cell-based assays. Natural Product Research, 2015, 29, 1026-1034.	1.8	9
14	Genotoxic Anti-Cancer Agents and Their Relationship to DNA Damage, Mitosis, and Checkpoint Adaptation in Proliferating Cancer Cells. International Journal of Molecular Sciences, 2014, 15, 3403-3431.	4.1	155
15	A western blot assay to measure cyclin dependent kinase activity in cells or in vitro without the use of radioisotopes. FEBS Letters, 2013, 587, 3089-3095.	2.8	34
16	Human cells enter mitosis with damaged DNA after treatment with pharmacological concentrations of genotoxic agents. Biochemical Journal, 2012, 446, 373-381.	3.7	37
17	Synthesis of Cis-Fused Pyran Indolocarbazole Derivatives that Inhibit FLT3 Kinase and the DNA Damage Kinase, Checkpoint Kinase 1. Anti-Cancer Agents in Medicinal Chemistry, 2012, 12, 194-201.	1.7	3
18	Characterization of novel Checkpoint kinase 1 inhibitors by in vitro assays and in human cancer cells treated with topoisomerase inhibitors. Life Sciences, 2011, 89, 259-268.	4.3	10

#	Article	IF	Citations
19	An unusual DNA binding compound, S23906, induces mitotic catastrophe in cultured human cells. Cancer Letters, 2010, 289, 178-187.	7.2	21
20	Radiosensitization by Chir-124, a selective Chk1 inhibitor: Effects of p53 and cell cycle checkpoints. Cell Cycle, 2009, 8, 1196-1205.	2.6	54
21	A three-step synthesis from rebeccamycin of an efficient checkpoint kinase 1 inhibitor. European Journal of Medicinal Chemistry, 2009, 44, 2234-2238.	5.5	8
22	Rebeccamycin Derivatives as Dual DNA-Damaging Agents and Potent Checkpoint Kinase 1 Inhibitors. Molecular Pharmacology, 2008, 74, 1620-1629.	2.3	18
23	Pyrrolocarbazoles as Checkpoint 1 Kinase Inhibitors. Anti-Cancer Agents in Medicinal Chemistry, 2008, 8, 577-597.	1.7	25
24	Inhibition of Chk1 Kills Tetraploid Tumor Cells through a p53-Dependent Pathway. PLoS ONE, 2007, 2, e1337.	2.5	67
25	Synthesis and biological activities of isogranulatimide analogues. Bioorganic and Medicinal Chemistry, 2007, 15, 5965-5980.	3.0	46
26	Bis-imide granulatimide analogues as potent Checkpoint 1 kinase inhibitors. European Journal of Pharmacology, 2007, 554, 106-112.	3.5	32
27	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. Bioorganic and Medicinal Chemistry, 2006, 14, 3825-3834.	3.0	23
28	Generation of Replication-Dependent Double-Strand Breaks by the Novel N2-G-Alkylator S23906-1. Cancer Research, 2006, 66, 7203-7210.	0.9	39
29	Cdk1 and Cdk2 complexes (cyclin dependent kinases) in apoptosis: a role beyond the cell cycle. Cancer Letters, 2005, 217, 129-138.	7.2	124
30	An expeditious multigram preparation of the marine protein kinase inhibitor debromohymenialdisine. Tetrahedron Letters, 2003, 44, 9263-9265.	1.4	15
31	The role of cyclin-dependent kinases in apoptosis. Progress in Cell Cycle Research, 2003, 5, 453-9.	0.9	16
32	The dynamics of actin-based motility depend on surface parameters. Nature, 2002, 417, 308-311.	27.8	224
33	ActA and human zyxin harbour Arp2/3-independent actin-polymerization activity. Nature Cell Biology, 2001, 3, 699-707.	10.3	113
34	Characterization of the Interaction between Zyxin and Members of the Ena/Vasodilator-stimulated Phosphoprotein Family of Proteins. Journal of Biological Chemistry, 2000, 275, 22503-22511.	3.4	146
35	Characterization of Polo-like Kinase 1 during Meiotic Maturation of the Mouse Oocyte. Developmental Biology, 2000, 220, 392-400.	2.0	76
36	Connecting plant species and natural products from the Canadian prairie ecological zone to biomedical knowledge. Botany, 0, , .	1.0	3