

Dianne J Watters

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63 papers	3,137 citations	30 h-index	55 g-index
64 ext. papers	3,288 ext. citations	5.5 avg, IF	4.72 L-index

#	Paper	IF	Citations
63	Undergraduate biochemistry student difficulties with topics requiring mathematical skills: use of an online maths skills support site. <i>Journal of Biological Education</i> , 2020 , 1-17	0.9	
62	Heteroatom-Interchanged Isomers of Lissoclinamide 5: Copper(II) Complexation, Halide Binding, and Biological Activity. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 1465-1476	3.2	7
61	Neurodegeneration in ataxia-telangiectasia: Multiple roles of ATM kinase in cellular homeostasis. <i>Developmental Dynamics</i> , 2018 , 247, 33-46	2.9	45
60	Ascidian Toxins with Potential for Drug Development. <i>Marine Drugs</i> , 2018 , 16,	6	30
59	An investigation into student perceptions towards mathematics and their performance in first year chemistry: introduction of online maths skills support. <i>Chemistry Education Research and Practice</i> , 2016 , 17, 1203-1214	2.1	6
58	The Reluctance of Scientists to Engage in Peer Review of Teaching 2015 , 227-245		1
57	The CIMP Phenotype in BRAF Mutant Serrated Polyps from a Prospective Colonoscopy Patient Cohort. <i>Gastroenterology Research and Practice</i> , 2014 , 2014, 374926	2	33
56	Iron loading and oxidative stress in the Atm ^{-/-} mouse liver. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, G554-60	5.1	19
55	Ferritin functions as a proinflammatory cytokine via iron-independent protein kinase C zeta/nuclear factor kappaB-regulated signaling in rat hepatic stellate cells. <i>Hepatology</i> , 2009 , 49, 887-900	11.2	167
54	Approaches to Learning by Students in the Biological Sciences: Implications for teaching. <i>International Journal of Science Education</i> , 2007 , 29, 19-43	2.2	50
53	Student understanding of pH: "i don't know what the log actually is, i only know where the button is on my calculator". <i>Biochemistry and Molecular Biology Education</i> , 2006 , 34, 278-84	1.3	20
52	The absolute stereochemistry and cytotoxicity of the ascidian-derived metabolite, longithorone J. <i>Natural Product Research</i> , 2006 , 20, 1277-82	2.3	6
51	Oxidative Stress and Ataxia-telangiectasia 2006 , 499-518		
50	The isolation and synthesis of 3-chloro-4-hydroxyphenylacetamide produced by a plant-associated microfungus of the genus <i>Xylaria</i> . <i>Tetrahedron Letters</i> , 2005 , 46, 919-921	2	27
49	Activation of ERK in renal fibrosis after unilateral ureteral obstruction: modulation by antioxidants. <i>Kidney International</i> , 2005 , 67, 931-43	9.9	98
48	Oxidative stress in ataxia telangiectasia. <i>Redox Report</i> , 2003 , 8, 23-9	5.9	71
47	Oxidative stress is responsible for deficient survival and dendritogenesis in purkinje neurons from ataxia-telangiectasia mutated mutant mice. <i>Journal of Neuroscience</i> , 2003 , 23, 11453-60	6.6	108

46	Fibrogenic stresses activate different mitogen-activated protein kinase pathways in renal epithelial, endothelial or fibroblast cell populations. <i>Nephrology</i> , 2003 , 8, 196-204	2.2	16
45	Sub-structure syntheses and relative stereochemistry in the bistratene (bistratene) series of marine metabolites. <i>Tetrahedron Letters</i> , 2002 , 43, 531-535	2	24
44	Radioresistant Burkitt's lymphoma cells exhibit defective MAPK signalling. <i>Drug Development Research</i> , 2001 , 52, 534-541	5.1	
43	Transcriptional downregulation of ATM by EGF is defective in ataxia-telangiectasia cells expressing mutant protein. <i>Oncogene</i> , 2001 , 20, 4281-90	9.2	26
42	Stimulation of protein kinase C-dependent and -independent signaling pathways by bistratene A in intestinal epithelial cells. <i>Biochemical Pharmacology</i> , 2001 , 61, 1093-100	6	24
41	Epidermal growth factor sensitizes cells to ionizing radiation by down-regulating protein mutated in ataxia-telangiectasia. <i>Journal of Biological Chemistry</i> , 2001 , 276, 8884-91	5.4	45
40	Textilins from <i>Pseudonaja textilis textilis</i> . Characterization of two plasmin inhibitors that reduce bleeding in an animal model. <i>Blood Coagulation and Fibrinolysis</i> , 2000 , 11, 385-93	1	66
39	PKC-delta is an apoptotic lamin kinase. <i>Oncogene</i> , 2000 , 19, 2331-7	9.2	190
38	ATM Is Upregulated During the Mitogenic Response in Peripheral Blood Mononuclear Cells. <i>Blood</i> , 1999 , 94, 1998-2006	2.2	36
37	Localization of a portion of extranuclear ATM to peroxisomes. <i>Journal of Biological Chemistry</i> , 1999 , 274, 34277-82	5.4	146
36	Molecular mechanisms of ionizing radiation-induced apoptosis. <i>Immunology and Cell Biology</i> , 1999 , 77, 263-71	5	102
35	Critical targets of protein kinase C in differentiation of tumour cells. <i>Biochemical Pharmacology</i> , 1999 , 58, 383-8	6	31
34	Bistratene A induces a microtubule-dependent block in cytokinesis and altered stathmin expression in HL60 cells. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 260, 80-8	3.4	13
33	ATM Is Upregulated During the Mitogenic Response in Peripheral Blood Mononuclear Cells. <i>Blood</i> , 1999 , 94, 1998-2006	2.2	5
32	Calpain activation is upstream of caspases in radiation-induced apoptosis. <i>Cell Death and Differentiation</i> , 1998 , 5, 1051-61	12.7	155
31	Evaluation of the potential of transferrin-adriamycin conjugates in the treatment of bladder cancer. <i>BJU International</i> , 1998 , 82, 284-9	5.6	7
30	Cloning and expression of the ataxia-telangiectasia gene in baculovirus. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 245, 144-8	3.4	16
29	Stimulation of melanogenesis in a human melanoma cell line by bistratene A. <i>Biochemical Pharmacology</i> , 1998 , 55, 1691-9	6	25

28	Caspase-mediated cleavage of the ubiquitin-protein ligase Nedd4 during apoptosis. <i>Journal of Biological Chemistry</i> , 1998 , 273, 13524-30	5.4	52
27	Proteolytic targets in cell death. <i>Results and Problems in Cell Differentiation</i> , 1998 , 24, 25-44	1.4	4
26	Defective signaling through the B cell antigen receptor in Epstein-Barr virus-transformed ataxia-telangiectasia cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 9489-95	5.4	32
25	Approaches to determine the specific role of the delta isoform of protein kinase C. <i>Journal of Proteomics</i> , 1997 , 36, 51-61		5
24	Isolation of full-length ATM cDNA and correction of the ataxia-telangiectasia cellular phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 8021-6	11.5	95
23	Resistance of actin to cleavage during apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 157-62	11.5	75
22	Cellular localisation of the ataxia-telangiectasia (ATM) gene product and discrimination between mutated and normal forms. <i>Oncogene</i> , 1997 , 14, 1911-21	9.2	158
21	Interaction between ATM protein and c-Abl in response to DNA damage. <i>Nature</i> , 1997 , 387, 520-3	50.4	418
20	Genotoxic effects of bistratene A on human lymphocytes. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1996 , 367, 169-75		11
19	The effects of bistratene A on the development of Plasmodium falciparum in culture. <i>International Journal for Parasitology</i> , 1996 , 26, 117-21	4.3	11
18	Bistratene A causes phosphorylation of talin and redistribution of actin microfilaments in fibroblasts: possible role for PKC-delta. <i>Experimental Cell Research</i> , 1996 , 229, 327-35	4.2	29
17	The polyether bistratene A activates protein kinase C-delta and induces growth arrest in HL60 cells. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 222, 802-8	3.4	76
16	Role of protein kinase activity in apoptosis. <i>Experientia</i> , 1996 , 52, 979-94		59
15	Heteronuclear ribonucleoproteins C1 and C2, components of the spliceosome, are specific targets of interleukin 1beta-converting enzyme-like proteases in apoptosis. <i>Journal of Biological Chemistry</i> , 1996 , 271, 29335-41	5.4	100
14	Relationship of the ataxia-telangiectasia protein ATM to phosphoinositide 3-kinase. <i>Trends in Biochemical Sciences</i> , 1995 , 20, 382-3	10.3	76
13	Accumulation of HL-60 leukemia cells in G2/M and inhibition of cytokinesis caused by two marine compounds, bistratene A and cycloheximide. <i>Cancer Chemotherapy and Pharmacology</i> , 1994 , 33, 399-409	3.5	2
12	Toxins from ascidians. <i>Toxicon</i> , 1993 , 31, 1349-72	2.8	31
11	Cytostatic and cytotoxic properties of the marine product bistratene A and analysis of the role of protein kinase C in its mode of action. <i>Biochemical Pharmacology</i> , 1993 , 45, 1753-61	6	10

10	Cycloxazoline: A cytotoxic cyclic hexapeptide from the ascidian lissoclinum bistratum.. <i>Tetrahedron</i> , 1992 , 48, 341-348	2.4	81
9	Bistratene A: a novel compound causing changes in protein phosphorylation patterns in human leukemia cells. <i>Journal of Cellular Biochemistry</i> , 1992 , 49, 417-24	4.7	12
8	Structure-activity relationships of the lissoclinamides: cytotoxic cyclic peptides from the ascidian Lissoclinum patella. <i>Journal of Medicinal Chemistry</i> , 1990 , 33, 1634-8	8.3	72
7	The bistratenes: new cytotoxic marine macrolides which induce some properties indicative of differentiation in HL-60 cells. <i>Biochemical Pharmacology</i> , 1990 , 39, 1609-14	6	22
6	Immunological analysis of nicotinic acetylcholine receptors. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1988 , 330, 312-312		
5	A monoclonal antibody to a parasympathetic neurotrophic factor causes immunoparasymphatotomy in mice. <i>Brain Research</i> , 1988 , 475, 160-3	3.7	14
4	Long-term retention of Fast Blue in sympathetic neurones after axotomy and regeneration—demonstration of incorrect reconnections. <i>Brain Research</i> , 1986 , 376, 292-8	3.7	38
3	Antibodies directed against functional sites on the acetylcholine receptor from <i>Torpedo marmorata</i> . <i>Journal of Receptors and Signal Transduction</i> , 1984 , 4, 671-9		4
2	Molecular forms and hydrodynamic properties of acetylcholine receptor from electric tissue. <i>FEBS Journal</i> , 1981 , 119, 215-23		35
1	Online quiz for STEM assumed knowledge self-assessment by first year science students: a pilot study. <i>International Journal of Mathematical Education in Science and Technology</i> , 1-19	0.5	