Catherine J Pears

List of Publications by Year
in descending order

56 papers	1,654 citations	331259 21 h-index	288905 40 g-index
57 all docs	57 docs citations	57 times ranked	1660 citing authors

#	Article	IF	Citations
1	Protein kinase C â€" a family affair. Molecular and Cellular Endocrinology, 1989, 65, 1-11.	1.6	288
2	Mutagenesis of the pseudosubstrate site of protein kinase C leads to activation. FEBS Journal, 1990, 194, 89-94.	0.2	135
3	An enhanced C. elegans based platform for toxicity assessment. Scientific Reports, 2017, 7, 9839.	1.6	99
4	PARP regulates nonhomologous end joining through retention of Ku at double-strand breaks. Journal of Cell Biology, 2011, 194, 367-375.	2.3	79
5	Superoxide signalling required for multicellular development ofDictyostelium. Journal of Cell Science, 2003, 116, 3387-3397.	1.2	77
6	Identification of a DNA sequence element required for efficient expression of a developmentally regulated and cAMP-inducible gene of Dictyostelium discoideum. EMBO Journal, 1987, 6, 195-200.	3.5	76
7	Isoform specificity of activators and inhibitors of protein kinase C Î³ and Î´. FEBS Letters, 1997, 415, 101-108.	1.3	68
8	Developmental decisions in Dictyostelium discoideum. Developmental Biology, 2005, 284, 25-36.	0.9	60
9	Multiple copies of a G-rich element upstream of a cAMP-inducible Dictyostelium gene are necessary but not sufficient for efficient gene expression. Nucleic Acids Research, 1988, 16, 8467-8486.	6.5	57
10	Signalling events underlying platelet aggregation induced by the glycoprotein VI agonist convulxin. FEBS Journal, 2001, 268, 5242-5248.	0.2	49
11	DNA-PKcs-Dependent Signaling of DNA Damage in Dictyostelium discoideum. Current Biology, 2005, 15, 1880-1885.	1.8	39
12	The role of ADP-ribosylation in regulating DNA double-strand break repair. Cell Cycle, 2012, 11, 48-56.	1.3	39
13	Differential Roles of the PKC Novel Isoforms, PKCÎ´ and PKCÎµ, in Mouse and Human Platelets. PLoS ONE, 2008, 3, e3793.	1.1	37
14	Down-regulation of a kinase defective PKC-Î±. FEBS Letters, 1991, 284, 120-122.	1.3	35
15	Cells at the Center ofDictyosteliumAggregates Become Spores. Developmental Biology, 1997, 192, 564-571.	0.9	29
16	Human Platelet Protein Ubiquitylation and Changes following GPVI Activation. Thrombosis and Haemostasis, 2019, 119, 104-116.	1.8	28
17	Distinct but critical roles for integrin ?IIb?3in platelet lamellipodia formation on fibrinogen, collagen-related peptide and thrombin. FEBS Journal, 2006, 273, 5032-5043.	2.2	27
18	Structure and function of the protein kinase C gene family. Journal of Biosciences, 1995, 20, 311-332.	0.5	25

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19	DNA double-strand break repair pathway choice inDictyostelium. Journal of Cell Science, 2011, 124, 1655-1663.	1.2	24
20	PKD: a new protein kinase Câ€“dependent pathway in platelets. Blood, 2003, 101, 1392-1399.	0.6	23
21	Submaximal Inhibition of Protein Kinase C Restores ADP-induced Dense Granule Secretion in Platelets in the Presence of Ca2+. Journal of Biological Chemistry, 2011, 286, 21073-21082.	1.6	23
22	Chemoattractants induce tyrosine phosphorylation of ERK2 in Dictyostelium discoideum by diverse signalling pathways. Biochemical Journal, 1997, 324, 347-352.	1.7	21
23	Protein Kinase C-Î± Is Essential for Ramos-BL B Cell Survival. Cellular Immunology, 1999, 196, 104-109.	1.4	21
24	DNA Damage Signalling and Repair in Dictyostelium discoideum. Cell Cycle, 2006, 5, 702-708.	1.3	21
25	Expanding the yeast protein arginine methylome. Proteomics, 2015, 15, 3232-3243.	1.3	21
26	Site-specific ADP-ribosylation of histone H2B in response to DNA double strand breaks. Scientific Reports, 2017, 7, 43750.	1.6	21
27	Protein kinase C. Biochemical Society Transactions, 1992, 20, 415-418.	1.6	19
28	Dynamic acetylation of lysine-4-trimethylated histone H3 and H3 variant biology in a simple multicellular eukaryote. Nucleic Acids Research, 2012, 40, 7247-7256.	6.5	19
29	Proteomic and Microarray Analyses of the Dictyostelium Zak1-GSK-3 Signaling Pathway Reveal a Role in Early Development. Eukaryotic Cell, 2007, 6, 245-252.	3.4	17
30	A two-pore channel protein required for regulating mTORC1 activity on starvation. BMC Biology, 2020, 18, 8.	1.7	16
31	Negative influence of RasG on chemoattractant-induced ERK2 phosphorylation in Dictyostelium. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1402, 1-5.	1.9	15
32	Cell cycle-dependent regulation of early developmental genes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1999, 1452, 296-302.	1.9	13
33	Linking DNA repair and cell cycle progression through serine ADP-ribosylation of histones. Nature Communications, 2022, 13, 185.	5.8	13
34	Protein kinase C-Î´ and -É›: a functional appraisal. Biochemical Society Transactions, 1992, 20, 603-607.	1.6	12
35	A homologue of Cdk8 is required for spore cell differentiation in Dictyostelium. Developmental Biology, 2004, 271, 49-58.	0.9	12
36	Nonhomologous end-joining promotes resistance to DNA damage in the absence of an ADP-ribosyltransferase that signals DNA single strand breaks. Journal of Cell Science, 2013, 126, 3452-61.	1.2	12

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37	Emerging models for DNA repair: Dictyostelium discoideum as a model for nonhomologous end-joining. DNA Repair, 2014, 17, 121-131.	1.3	12
38	Methylation-directed acetylation of histone H3 regulates developmental sensitivity to histone deacetylase inhibition. Nucleic Acids Research, 2021, 49, 3781-3795.	6.5	9
39	Characterization of two divergently transcribedDictyostelium gene pairs and identification of G-rich sequence element lying between them with the characteristics of a basal promoter element. Genesis, 1988, 9, 455-468.	3.1	8
40	Microbe Profile: Dictyostelium discoideum: model system for development, chemotaxis and biomedical research. Microbiology (United Kingdom), 2021, 167, .	0.7	7
41	Control of Cyclin C Levels during Development of Dictyostelium. PLoS ONE, 2010, 5, e10543.	1.1	7
42	Dictyostelium discoideum as a Model to Assess Genome Stability Through DNA Repair. Frontiers in Cell and Developmental Biology, 2021, 9, 752175.	1.8	6
43	Protein kinase C as a second messenger target. Biochemical Society Transactions, 1989, 17, 279-280.	1.6	5
44	A protein kinase C-like activity involved in the chemotactic response of Dictyostelium discoideum. Lipids and Lipid Metabolism, 1997, 1349, 72-80.	2.6	5
45	47 Assay to determine the isoform specificity of protein kinase C inhibitors. Biochemical Society Transactions, 1997, 25, S591-S591.	1.6	4
46	Transcriptional Switch of the dia1 and impA Promoter during the Growth/Differentiation Transition. Eukaryotic Cell, 2005, 4, 1477-1482.	3.4	4
47	Targets downstream of Cdk8 in Dictyostelium development. BMC Developmental Biology, 2011, 11, 2.	2.1	4
48	Possible Involvement of the Nutrient and Energy Sensors mTORC1 and AMPK in Cell Fate Diversification in a Non-Metazoan Organism. Frontiers in Cell and Developmental Biology, 2021, 9, 758317.	1.8	4
49	Signalling components underlying platelet aggregation to a Ca 2+ ionophore and a phorbol ester. Platelets, 2001, 12, 476-485.	1.1	3
50	Investigation of DNA Repair Pathway Activity. Methods in Molecular Biology, 2013, 983, 295-310.	0.4	2
51	Dictyostelium as a Model to Assess Site-Specific ADP-Ribosylation Events. Methods in Molecular Biology, 2018, 1813, 125-148.	0.4	2
52	Moving the Research Forward: The Best of British Biology Using the Tractable Model System Dictyostelium discoideum. Cells, 2021, 10, 3036.	1.8	2
53	Chemoattractants activate ERK2 in Dictyostelium discoideum by diverse signalling pathways. Biochemical Society Transactions, 1996, 24, 581S-581S.	1.6	0
54	48 Protein kinase C in Dictyostelium discoideum. Biochemical Society Transactions, 1997, 25, S592-S592.	1.6	0

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55	37 The role of protein kinase C in B cell apoptosis. Biochemical Society Transactions, 1998, 26, S336-S336.	1.6	0
56	38 Regulation of B cell apoptosis during the cell cycle. Biochemical Society Transactions, 1998, 26, S337-S337.	1.6	0