Darren N Saunders

List of Publications by Year
in descending order

63	3,886	126907	128289
papers	citations	33 h-index	60 g-index

70	70	70	7379
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CX-5461 is a DNA G-quadruplex stabilizer with selective lethality in BRCA1/2 deficient tumours. Nature Communications, 2017, 8, 14432.	12.8	379
2	Adipocyte lipolysis links obesity to breast cancer growth: adipocyte-derived fatty acids drive breast cancer cell proliferation and migration. Cancer & Metabolism, 2017, 5, 1.	5.0	284
3	TRIP12 and UBR5 Suppress Spreading of Chromatin Ubiquitylation at Damaged Chromosomes. Cell, 2012, 150, 697-709.	28.9	282
4	Towards clinical translation of ligand-functionalized liposomes in targeted cancer therapy: Challenges and opportunities. Journal of Controlled Release, 2018, 277, 1-13.	9.9	214
5	Revisiting the biological roles of PAI2 (SERPINB2) in cancer. Nature Reviews Cancer, 2008, 8, 535-545.	28.4	184
6	Walking the tightrope: proteostasis and neurodegenerative disease. Journal of Neurochemistry, 2016, 137, 489-505.	3.9	176
7	Systematic approaches to identify E3 ligase substrates. Biochemical Journal, 2016, 473, 4083-4101.	3.7	136
8	Distinct requirement for an intact dimer interface in wild-type, V600E and kinase-dead B-Raf signalling. EMBO Journal, 2012, 31, 2629-2647.	7.8	110
9	Distinct partitioning of ALS associated TDP-43, FUS and SOD1 mutants into cellular inclusions. Scientific Reports, 2015, 5, 13416.	3.3	109
10	Adipocyteâ€“Tumor Cell Metabolic Crosstalk in Breast Cancer. Trends in Molecular Medicine, 2017, 23, 381-392.	6.7	105
11	Functional Roles of the E3 Ubiquitin Ligase UBR5 in Cancer. Molecular Cancer Research, 2015, 13, 1523-1532.	3.4	102
12	Loss of Cited2 affects trophoblast formation and vascularization of the mouse placenta. Developmental Biology, 2006, 294, 67-82.	2.0	101
13	Spinal motor neuron protein supersaturation patterns are associated with inclusion body formation in ALS. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3935-E3943.	7.1	91
14	MTOR signaling orchestrates stress-induced mutagenesis, facilitating adaptive evolution in cancer. Science, 2020, 368, 1127-1131.	12.6	83
15	Involvement of Lyn and the Atypical Kinase SgK269/PEAK1 in a Basal Breast Cancer Signaling Pathway. Cancer Research, 2013, 73, 1969-1980.	0.9	82
16	Membranous Expression of Secreted Frizzled-Related Protein 4 Predicts for Good Prognosis in Localized Prostate Cancer and Inhibits PC3 Cellular Proliferation in Vitro. Clinical Cancer Research, 2004, 10, 615-625.	7.0	79
17	Germline mutations in CDH1 are infrequent in women with early-onset or familial lobular breast cancers. Journal of Medical Genetics, 2011, 48, 64-68.	3.2	77
18	Edd , the Murine Hyperplastic Disc Gene, Is Essential for Yolk Sac Vascularization and Chorioallantoic Fusion. Molecular and Cellular Biology, 2004, 24, 7225-7234.	2.3	73

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19	Extracellular Fatty Acids Are the Major Contributor to Lipid Synthesis in Prostate Cancer. Molecular Cancer Research, 2019, 17, 949-962.	3.4	65
20	Plasminogen binding and activation at the breast cancer cell surface: the integral role of urokinase activity. Breast Cancer Research, 2007, 9, R14.	5.0	60
21	Synthetic Lethality Screens Reveal RPS6 and MST1R as Modifiers of Insulin-like Growth Factor-1 Receptor Inhibitor Activity in Childhood Sarcomas. Cancer Research, 2010, 70, 8770-8781.	0.9	58
22	The E3 Ubiquitin Ligase EDD Regulates S-Phase and G₂/M DNA Damage Checkpoints. Cell Cycle, 2007, 6, 3070-3077.	2.6	56
23	The E3 ubiquitin ligase EDD is an adverse prognostic factor for serous epithelial ovarian cancer and modulates cisplatin resistance in vitro. British Journal of Cancer, 2008, 98, 1085-1093.	6.4	56
24	Experimental design for stable genetic manipulation in mammalian cell lines: lentivirus and alternatives. Genes To Cells, 2015, 20, 1-10.	1.2	53
25	EDD Mediates DNA Damage-induced Activation of CHK2. Journal of Biological Chemistry, 2006, 281, 39990-40000.	3.4	51
26	Bimolecular complementation affinity purification (BiCAP) reveals dimer-specific protein interactions for ERBB2 dimers. Science Signaling, 2016, 9, ra69.	3.6	51
27	Mitochondrial mutations and metabolic adaptation in pancreatic cancer. Cancer & Metabolism, 2017, 5, 2.	5.0	51
28	Secreted frizzled-related protein 4 inhibits proliferation and metastatic potential in prostate cancer. Prostate, 2007, 67, 1081-1090.	2.3	48
29	The Urokinase/PAI-2 Complex. Journal of Biological Chemistry, 2006, 281, 10206-10213.	3.4	45
30	Heterogeneity of fatty acid metabolism in breast cancer cells underlies differential sensitivity to palmitateâ€induced apoptosis. Molecular Oncology, 2018, 12, 1623-1638.	4.6	40
31	SOD1A4V aggregation alters ubiquitin homeostasis in a cell model of ALS. Journal of Cell Science, 2018, 131, .	2.0	39
32	A structural basis for differential cell signalling by PAI-1 and PAI-2 in breast cancer cells. Biochemical Journal, 2007, 408, 203-210.	3.7	35
33	Progestins Reinitiate Cell Cycle Progression in Antiestrogen-Arrested Breast Cancer Cells through the B-Isoform of Progesterone Receptor. Cancer Research, 2007, 67, 8942-8951.	0.9	34
34	Targeting promiscuous heterodimerization overcomes innate resistance to ERBB2 dimerization inhibitors in breast cancer. Breast Cancer Research, 2019, 21, 43.	5.0	33
35	Modulation of Myocardin Function by the Ubiquitin E3 Ligase UBR5. Journal of Biological Chemistry, 2010, 285, 11800-11809.	3.4	31
36	The Ubiquitin Proteasome System Is a Key Regulator of Pluripotent Stem Cell Survival and Motor Neuron Differentiation. Cells, 2019, 8, 581.	4.1	31

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37	SerpinB2 (PAI-2) Modulates Proteostasis via Binding Misfolded Proteins and Promotion of Cytoprotective Inclusion Formation. PLoS ONE, 2015, 10, e0130136.	2.5	30
38	Homo- and Heterotypic Association Regulates Signaling by the SgK269/PEAK1 and SgK223 Pseudokinases. Journal of Biological Chemistry, 2016, 291, 21571-21583.	3.4	30
39	Ubiquitin Homeostasis Is Disrupted in TDP-43 and FUS Cell Models of ALS. IScience, 2020, 23, 101700.	4.1	28
40	The E3 ubiquitin ligase UBR5 regulates centriolar satellite stability and primary cilia. Molecular Biology of the Cell, 2018, 29, 1542-1554.	2.1	27
41	Immunological Detection of Conformational Neoepitopes Associated with the Serpin Activity of Plasminogen Activator Inhibitor Type-2. Journal of Biological Chemistry, 1998, 273, 10965-10971.	3.4	26
42	Crystal Structure of the Complex of Plasminogen Activator Inhibitor 2 with a Peptide Mimicking the Reactive Center Loop. Journal of Biological Chemistry, 2001, 276, 43374-43382.	3.4	25
43	Microsurgical access for cell injection into the mammalian cochlea. Journal of Neuroscience Methods, 2008, 168, 156-163.	2.5	24
44	Lipid droplet-associated kinase STK25 regulates peroxisomal activity and metabolic stress response in steatotic liver. Journal of Lipid Research, 2020, 61, 178-191.	4.2	23
45	Regulation of primary cilia formation by the ubiquitinâ€“proteasome system. Biochemical Society Transactions, 2016, 44, 1265-1271.	3.4	22
46	Intensity calibration and automated cell cycle gating for highâ€throughput imageâ€based siRNA screens of mammalian cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 904-917.	1.5	17
47	The pivotal role of ubiquitin-activating enzyme E1 (UBA1) in neuronal health and neurodegeneration. International Journal of Biochemistry and Cell Biology, 2020, 123, 105746.	2.8	16
48	Dependence on Endocytic Receptor Binding via a Minimal Binding Motif Underlies the Differential Prognostic Profiles of SerpinE1 and SerpinB2 in Cancer. Journal of Biological Chemistry, 2011, 286, 24467-24475.	3.4	15
49	Plasminogen activator inhibitor type 2 inhibits cell surface associated tissue plasminogen activator in vitro. Thrombosis and Haemostasis, 2008, 100, 319-329.	3.4	14
50	Interaction between the P14 Residue and Strand 2 of Î²-Sheet B Is Critical for Reactive Center Loop Insertion in Plasminogen Activator Inhibitor-2. Journal of Biological Chemistry, 2001, 276, 43383-43389.	3.4	11
51	N-Alkylisatin-Loaded Liposomes Target the Urokinase Plasminogen Activator System in Breast Cancer. Pharmaceutics, 2020, 12, 641.	4.5	11
52	A Novel SERPINA1 Mutation Causing Serum Alpha1-Antitrypsin Deficiency. PLoS ONE, 2012, 7, e51762.	2.5	10
53	Insulin and diet-induced changes in the ubiquitin-modified proteome of rat liver. PLoS ONE, 2017, 12, e0174431.	2.5	10
54	High-Throughput Approaches to Measuring Cell Death. Cold Spring Harbor Protocols, 2014, 2014, pdb.top072561.	0.3	8

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55	Cancer in the news: Bias and quality in media reporting of cancer research. PLoS ONE, 2020, 15, e0242133.	2.5	8
56	Proteostasis impairment and ALS. Progress in Biophysics and Molecular Biology, 2022, 174, 3-27.	2.9	7
57	Effects of EDD on p53 Function Are Context-specific. Journal of Biological Chemistry, 2011, 286, le13.	3.4	4
58	A High-Throughput, Multiplex Cell Death Assay Using an RNAi Screening Approach. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080267-pdb.prot080267.	0.3	3
59	Dissecting Multi-protein Signaling Complexes by Bimolecular Complementation Affinity Purification (BiCAP). Journal of Visualized Experiments, 2018, , .	0.3	3
60	Using Narratives to Teach Students Enrolled in Science and Medical Science Bachelorâ€™s Degree Programs. Medical Science Educator, 2019, 29, 357-361.	1.5	3
61	Plasminogen activator inhibitor type 2 inhibits cell surface associated tissue plasminogen activator in vitro: potential receptor interactions. Thrombosis and Haemostasis, 2008, 100, 319-29.	3.4	3
62	Backlogged system in Australia shuts out new investigators. Nature, 2009, 458, 281-281.	27.8	1
63	Modulation of myocardin function by the ubiquitin E3 ligase UBR5.. Journal of Biological Chemistry, 2011, 286, 25416.	3.4	0