

# Darren N Saunders

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

3,886  
citations

126907

33  
h-index

128289

60  
g-index

70  
all docs

70  
docs citations

70  
times ranked

7379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteostasis impairment and ALS. <i>Progress in Biophysics and Molecular Biology</i> , 2022, 174, 3-27.	2.9	7
2	Lipid droplet-associated kinase STK25 regulates peroxisomal activity and metabolic stress response in steatotic liver. <i>Journal of Lipid Research</i> , 2020, 61, 178-191.	4.2	23
3	N-Alkylisatin-Loaded Liposomes Target the Urokinase Plasminogen Activator System in Breast Cancer. <i>Pharmaceutics</i> , 2020, 12, 641.	4.5	11
4	Ubiquitin Homeostasis Is Disrupted in TDP-43 and FUS Cell Models of ALS. <i>IScience</i> , 2020, 23, 101700.	4.1	28
5	MTOR signaling orchestrates stress-induced mutagenesis, facilitating adaptive evolution in cancer. <i>Science</i> , 2020, 368, 1127-1131.	12.6	83
6	The pivotal role of ubiquitin-activating enzyme E1 (UBA1) in neuronal health and neurodegeneration. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 123, 105746.	2.8	16
7	Cancer in the news: Bias and quality in media reporting of cancer research. <i>PLoS ONE</i> , 2020, 15, e0242133.	2.5	8
8	The Ubiquitin Proteasome System Is a Key Regulator of Pluripotent Stem Cell Survival and Motor Neuron Differentiation. <i>Cells</i> , 2019, 8, 581.	4.1	31
9	Using Narratives to Teach Students Enrolled in Science and Medical Science Bachelor's Degree Programs. <i>Medical Science Educator</i> , 2019, 29, 357-361.	1.5	3
10	Targeting promiscuous heterodimerization overcomes innate resistance to ERBB2 dimerization inhibitors in breast cancer. <i>Breast Cancer Research</i> , 2019, 21, 43.	5.0	33
11	Extracellular Fatty Acids Are the Major Contributor to Lipid Synthesis in Prostate Cancer. <i>Molecular Cancer Research</i> , 2019, 17, 949-962.	3.4	65
12	Towards clinical translation of ligand-functionalized liposomes in targeted cancer therapy: Challenges and opportunities. <i>Journal of Controlled Release</i> , 2018, 277, 1-13.	9.9	214
13	Dissecting Multi-protein Signaling Complexes by Bimolecular Complementation Affinity Purification (BiCAP). <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	3
14	SOD1A4V aggregation alters ubiquitin homeostasis in a cell model of ALS. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	39
15	Heterogeneity of fatty acid metabolism in breast cancer cells underlies differential sensitivity to palmitate-induced apoptosis. <i>Molecular Oncology</i> , 2018, 12, 1623-1638.	4.6	40
16	The E3 ubiquitin ligase UBR5 regulates centriolar satellite stability and primary cilia. <i>Molecular Biology of the Cell</i> , 2018, 29, 1542-1554.	2.1	27
17	Adipocyte lipolysis links obesity to breast cancer growth: adipocyte-derived fatty acids drive breast cancer cell proliferation and migration. <i>Cancer &amp; Metabolism</i> , 2017, 5, 1.	5.0	284
18	CX-5461 is a DNA G-quadruplex stabilizer with selective lethality in BRCA1/2 deficient tumours. <i>Nature Communications</i> , 2017, 8, 14432.	12.8	379

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19	Spinal motor neuron protein supersaturation patterns are associated with inclusion body formation in ALS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3935-E3943.	7.1	91
20	Mitochondrial mutations and metabolic adaptation in pancreatic cancer. <i>Cancer &amp; Metabolism</i> , 2017, 5, 2.	5.0	51
21	Adipocyte-Tumor Cell Metabolic Crosstalk in Breast Cancer. <i>Trends in Molecular Medicine</i> , 2017, 23, 381-392.	6.7	105
22	Insulin and diet-induced changes in the ubiquitin-modified proteome of rat liver. <i>PLoS ONE</i> , 2017, 12, e0174431.	2.5	10
23	Walking the tightrope: proteostasis and neurodegenerative disease. <i>Journal of Neurochemistry</i> , 2016, 137, 489-505.	3.9	176
24	Systematic approaches to identify E3 ligase substrates. <i>Biochemical Journal</i> , 2016, 473, 4083-4101.	3.7	136
25	Regulation of primary cilia formation by the ubiquitin-proteasome system. <i>Biochemical Society Transactions</i> , 2016, 44, 1265-1271.	3.4	22
26	Bimolecular complementation affinity purification (BiCAP) reveals dimer-specific protein interactions for ERBB2 dimers. <i>Science Signaling</i> , 2016, 9, ra69.	3.6	51
27	Homo- and Heterotypic Association Regulates Signaling by the Sgk269/PEAK1 and Sgk223 Pseudokinases. <i>Journal of Biological Chemistry</i> , 2016, 291, 21571-21583.	3.4	30
28	Distinct partitioning of ALS associated TDP-43, FUS and SOD1 mutants into cellular inclusions. <i>Scientific Reports</i> , 2015, 5, 13416.	3.3	109
29	Serp1B2 (PAI-2) Modulates Proteostasis via Binding Misfolded Proteins and Promotion of Cytoprotective Inclusion Formation. <i>PLoS ONE</i> , 2015, 10, e0130136.	2.5	30
30	Functional Roles of the E3 Ubiquitin Ligase UBR5 in Cancer. <i>Molecular Cancer Research</i> , 2015, 13, 1523-1532.	3.4	102
31	Experimental design for stable genetic manipulation in mammalian cell lines: lentivirus and alternatives. <i>Genes To Cells</i> , 2015, 20, 1-10.	1.2	53
32	A High-Throughput, Multiplex Cell Death Assay Using an RNAi Screening Approach. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot080267-pdb.prot080267.	0.3	3
33	High-Throughput Approaches to Measuring Cell Death. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.top072561.	0.3	8
34	Involvement of Lyn and the Atypical Kinase Sgk269/PEAK1 in a Basal Breast Cancer Signaling Pathway. <i>Cancer Research</i> , 2013, 73, 1969-1980.	0.9	82
35	Distinct requirement for an intact dimer interface in wild-type, V600E and kinase-dead B-Raf signalling. <i>EMBO Journal</i> , 2012, 31, 2629-2647.	7.8	110
36	TRIP12 and UBR5 Suppress Spreading of Chromatin Ubiquitylation at Damaged Chromosomes. <i>Cell</i> , 2012, 150, 697-709.	28.9	282

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37	A Novel SERPINA1 Mutation Causing Serum Alpha1-Antitrypsin Deficiency. PLoS ONE, 2012, 7, e51762.	2.5	10
38	Effects of EDD on p53 Function Are Context-specific. Journal of Biological Chemistry, 2011, 286, le13.	3.4	4
39	Modulation of myocardin function by the ubiquitin E3 ligase UBR5.. Journal of Biological Chemistry, 2011, 286, 25416.	3.4	0
40	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
41	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
42	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
43	Modulation of Myocardin Function by the Ubiquitin E3 Ligase UBR5. Journal of Biological Chemistry, 2010, 285, 11800-11809.	3.4	31
44	Backlogged system in Australia shuts out new investigators. Nature, 2009, 458, 281-281.	27.8	1
45	Microsurgical access for cell injection into the mammalian cochlea. Journal of Neuroscience Methods, 2008, 168, 156-163.	2.5	24
46	Intensity calibration and automated cell cycle gating for high-throughput image-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 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
48	Revisiting the biological roles of PAI2 (SERPINB2) in cancer. Nature Reviews Cancer, 2008, 8, 535-545.	28.4	184
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	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
51	The E3 Ubiquitin Ligase EDD Regulates S-Phase and G <sub>2</sub> /M DNA Damage Checkpoints. Cell Cycle, 2007, 6, 3070-3077.	2.6	56
52	Progesterins 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
53	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
54	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

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55	Secreted frizzled-related protein 4 inhibits proliferation and metastatic potential in prostate cancer. Prostate, 2007, 67, 1081-1090.	2.3	48
56	Loss of Cited2 affects trophoblast formation and vascularization of the mouse placenta. Developmental Biology, 2006, 294, 67-82.	2.0	101
57	The Urokinase/PAI-2 Complex. Journal of Biological Chemistry, 2006, 281, 10206-10213.	3.4	45
58	EDD Mediates DNA Damage-induced Activation of CHK2. Journal of Biological Chemistry, 2006, 281, 39990-40000.	3.4	51
59	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
60	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
61	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
62	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
63	Immunological Detection of Conformational Neopeptides Associated with the Serpin Activity of Plasminogen Activator Inhibitor Type-2. Journal of Biological Chemistry, 1998, 273, 10965-10971.	3.4	26