

Daniel D Billadeau

List of Publications by Year in descending order

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107
papers

7,858
citations

53660

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54797

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114
all docs

114
docs citations

114
times ranked

9903
citing authors

#	ARTICLE	IF	CITATIONS
1	A FAM21-Containing WASH Complex Regulates Retromer-Dependent Sorting. <i>Developmental Cell</i> , 2009, 17, 699-711.	3.1	447
2	Structure and control of the actin regulatory WAVE complex. <i>Nature</i> , 2010, 468, 533-538.	13.7	424
3	Regulation of T-cell activation by the cytoskeleton. <i>Nature Reviews Immunology</i> , 2007, 7, 131-143.	10.6	342
4	NKG2D-DAP10 triggers human NK cell-mediated killing via a Syk-independent regulatory pathway. <i>Nature Immunology</i> , 2003, 4, 557-564.	7.0	335
5	Glycogen Synthase Kinase-3 β Participates in Nuclear Factor κ B-Mediated Gene Transcription and Cell Survival in Pancreatic Cancer Cells. <i>Cancer Research</i> , 2005, 65, 2076-2081.	0.4	299
6	Retriever is a multiprotein complex for retromer-independent endosomal cargo recycling. <i>Nature Cell Biology</i> , 2017, 19, 1214-1225.	4.6	243
7	NKG2D-mediated signaling requires a DAP10-bound Grb2-Vav1 intermediate and phosphatidylinositol-3-kinase in human natural killer cells. <i>Nature Immunology</i> , 2006, 7, 524-532.	7.0	241
8	Formins Regulate the Actin-Related Protein 2/3 Complex-Independent Polarization of the Centrosome to the Immunological Synapse. <i>Immunity</i> , 2007, 26, 177-190.	6.6	232
9	HS1 Functions as an Essential Actin-Regulatory Adaptor Protein at the Immune Synapse. <i>Immunity</i> , 2006, 24, 741-752.	6.6	203
10	Regulation of WASH-Dependent Actin Polymerization and Protein Trafficking by Ubiquitination. <i>Cell</i> , 2013, 152, 1051-1064.	13.5	201
11	COMMD1 is linked to the WASH complex and regulates endosomal trafficking of the copper transporter ATP7A. <i>Molecular Biology of the Cell</i> , 2015, 26, 91-103.	0.9	200
12	WASH and WAVE actin regulators of the Wiskott-Aldrich syndrome protein (WASP) family are controlled by analogous structurally related complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10442-10447.	3.3	193
13	The Vav-Rac1 Pathway in Cytotoxic Lymphocytes Regulates the Generation of Cell-mediated Killing. <i>Journal of Experimental Medicine</i> , 1998, 188, 549-559.	4.2	165
14	CCC- and WASH-mediated endosomal sorting of LDLR is required for normal clearance of circulating LDL. <i>Nature Communications</i> , 2016, 7, 10961.	5.8	165
15	Retromer Binding to FAM21 and the WASH Complex Is Perturbed by the Parkinson Disease-Linked VPS35(D620N) Mutation. <i>Current Biology</i> , 2014, 24, 1670-1676.	1.8	162
16	Multiple repeat elements within the FAM21 tail link the WASH actin regulatory complex to the retromer. <i>Molecular Biology of the Cell</i> , 2012, 23, 2352-2361.	0.9	161
17	Aberrant Nuclear Accumulation of Glycogen Synthase Kinase-3 β in Human Pancreatic Cancer: Association with Kinase Activity and Tumor Dedifferentiation. <i>Clinical Cancer Research</i> , 2006, 12, 5074-5081.	3.2	146
18	Cellular functions of WASP family proteins at a glance. <i>Journal of Cell Science</i> , 2017, 130, 2235-2241.	1.2	140

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19	Dynamin 2 regulates T cell activation by controlling actin polymerization at the immunological synapse. <i>Nature Immunology</i> , 2005, 6, 261-270.	7.0	137
20	Trafficking defects in <i>WASH</i> knockout fibroblasts originate from collapsed endosomal and lysosomal networks. <i>Molecular Biology of the Cell</i> , 2012, 23, 3215-3228.	0.9	133
21	Endosomal receptor trafficking: Retromer and beyond. <i>Traffic</i> , 2018, 19, 578-590.	1.3	133
22	From a Natural Product Lead to the Identification of Potent and Selective Benzofuran-3-yl-(indol-3-yl)maleimides as Glycogen Synthase Kinase 3 ^β Inhibitors That Suppress Proliferation and Survival of Pancreatic Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1853-1863.	2.9	116
23	Molecular Pathways: Revisiting Glycogen Synthase Kinase-3 ^β as a Target for the Treatment of Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 1891-1897.	3.2	113
24	The WAVE2 complex regulates T cell receptor signaling to integrins via Abl- and CrkL ^α -C3G-mediated activation of Rap1. <i>Journal of Cell Biology</i> , 2008, 182, 1231-1244.	2.3	112
25	Rab GTPase regulation of retromer-mediated cargo export during endosome maturation. <i>Molecular Biology of the Cell</i> , 2012, 23, 2505-2515.	0.9	99
26	Dedicator of Cytokinesis 8 Interacts with Talin and Wiskott-Aldrich Syndrome Protein To Regulate NK Cell Cytotoxicity. <i>Journal of Immunology</i> , 2013, 190, 3661-3669.	0.4	96
27	Structural and mechanistic insights into regulation of the retromer coat by TBC1d5. <i>Nature Communications</i> , 2016, 7, 13305.	5.8	88
28	Antithetical <i>NFAT</i> c1 ^α -Sox2 and p53 ^α -miR200 signaling networks govern pancreatic cancer cell plasticity. <i>EMBO Journal</i> , 2015, 34, 517-530.	3.5	87
29	ITAMs versus ITIMs: striking a balance during cell regulation. <i>Journal of Clinical Investigation</i> , 2002, 109, 161-168.	3.9	86
30	WASH Knockout T Cells Demonstrate Defective Receptor Trafficking, Proliferation, and Effector Function. <i>Molecular and Cellular Biology</i> , 2013, 33, 958-973.	1.1	84
31	Endosomal PI(3)P regulation by the COMMD/CCDC22/CCDC93 (CCC) complex controls membrane protein recycling. <i>Nature Communications</i> , 2019, 10, 4271.	5.8	76
32	Parkin Regulates Mitosis and Genomic Stability through Cdc20/Cdh1. <i>Molecular Cell</i> , 2015, 60, 21-34.	4.5	74
33	NFATc1 Links EGFR Signaling to Induction of Sox9 Transcription and Acinar ^α Ductal Transdifferentiation in the Pancreas. <i>Gastroenterology</i> , 2015, 148, 1024-1034.e9.	0.6	73
34	Embryonic stem cell factors and pancreatic cancer. <i>World Journal of Gastroenterology</i> , 2014, 20, 2247.	1.4	71
35	Fructose-1,6-bisphosphatase Inhibits ERK Activation and Bypasses Gemcitabine Resistance in Pancreatic Cancer by Blocking IQGAP1 ^α -MAPK Interaction. <i>Cancer Research</i> , 2017, 77, 4328-4341.	0.4	70
36	Regulation of Cytoskeletal Dynamics at the Immune Synapse: New Stars Join the Actin Troupe. <i>Traffic</i> , 2006, 7, 1451-1460.	1.3	67

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37	The Isoforms of Phospholipase C- β 3 Are Differentially Used by Distinct Human NK Activating Receptors. <i>Journal of Immunology</i> , 2005, 175, 213-218.	0.4	66
38	Endosomal sorting of Notch receptors through COMMD9-dependent pathways modulates Notch signaling. <i>Journal of Cell Biology</i> , 2015, 211, 605-617.	2.3	62
39	Circulating Blood B Cells in Multiple Myeloma: Analysis and Relationship to Circulating Clonal Cells and Clinical Parameters in a Cohort of Patients Entered on the Eastern Cooperative Oncology Group Phase III E9486 Clinical Trial. <i>Blood</i> , 1997, 90, 340-345.	0.6	59
40	Inhibition of GSK-3 Induces Differentiation and Impaired Glucose Metabolism in Renal Cancer. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 285-296.	1.9	56
41	NFATc4 Regulates <i>Sox9</i> Gene Expression in Acinar Cell Plasticity and Pancreatic Cancer Initiation. <i>Stem Cells International</i> , 2016, 2016, 1-11.	1.2	55
42	GSK-3 inhibition overcomes chemoresistance in human breast cancer. <i>Cancer Letters</i> , 2016, 380, 384-392.	3.2	55
43	PI3K Links NKG2D Signaling to a CrkL Pathway Involved in Natural Killer Cell Adhesion, Polarity, and Granule Secretion. <i>Journal of Immunology</i> , 2009, 182, 6933-6942.	0.4	52
44	Vav1 as a Central Regulator of Invadopodia Assembly. <i>Current Biology</i> , 2014, 24, 86-93.	1.8	52
45	Mechanism of cargo recognition by retromer-linked SNX-BAR proteins. <i>PLoS Biology</i> , 2020, 18, e3000631.	2.6	51
46	Characterization of the CXCR4 Signaling in Pancreatic Cancer Cells. <i>International Journal of Gastrointestinal Cancer</i> , 2006, 37, 110-9.	0.4	48
47	Endosome-to-TGN Trafficking: Organelle-Vesicle and Organelle-Organelle Interactions. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 163.	1.8	48
48	Macrogenomic engineering via modulation of the scaling of chromatin packing density. <i>Nature Biomedical Engineering</i> , 2017, 1, 902-913.	11.6	47
49	GSK-3 β Governs Inflammation-Induced NFATc2 Signaling Hubs to Promote Pancreatic Cancer Progression. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 491-502.	1.9	44
50	Glycogen Synthase Kinase-3 Inhibition Sensitizes Pancreatic Cancer Cells to Chemotherapy by Abrogating the TopBP1/ATR-Mediated DNA Damage Response. <i>Clinical Cancer Research</i> , 2019, 25, 6452-6462.	3.2	43
51	Glypican-1 and glycoprotein 2 bearing extracellular vesicles do not discern pancreatic cancer from benign pancreatic diseases. <i>Oncotarget</i> , 2019, 10, 1045-1055.	0.8	41
52	Loss of MAGEL2 in Prader-Willi syndrome leads to decreased secretory granule and neuropeptide production. <i>JCI Insight</i> , 2020, 5, .	2.3	40
53	Coactosin-Like 1 Antagonizes Cofilin to Promote Lamellipodial Protrusion at the Immune Synapse. <i>PLoS ONE</i> , 2014, 9, e85090.	1.1	39
54	Cutting Edge: WIP, a Binding Partner for Wiskott-Aldrich Syndrome Protein, Cooperates with Vav in the Regulation of T Cell Activation. <i>Journal of Immunology</i> , 2000, 164, 2866-2870.	0.4	37

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55	Targeting glycogen synthase kinase 3 for therapeutic benefit in lymphoma. <i>Blood</i> , 2019, 134, 363-373.	0.6	37
56	SNX17 Affects T Cell Activation by Regulating TCR and Integrin Recycling. <i>Journal of Immunology</i> , 2015, 194, 4555-4566.	0.4	35
57	Human Immunodeficiency Syndromes Affecting Human Natural Killer Cell Cytolytic Activity. <i>Frontiers in Immunology</i> , 2014, 5, 2.	2.2	34
58	SNX27-FERM-SNX1 complex structure rationalizes divergent trafficking pathways by SNX17 and SNX27. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	33
59	SIRT1-Activating Compounds (STAC) Negatively Regulate Pancreatic Cancer Cell Growth and Viability Through a SIRT1 Lysosomal-Dependent Pathway. <i>Clinical Cancer Research</i> , 2016, 22, 2496-2507.	3.2	32
60	An FGFR/AKT/SOX2 Signaling Axis Controls Pancreatic Cancer Stemness. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 287.	1.8	32
61	HkRP3 Is a Microtubule-Binding Protein Regulating Lytic Granule Clustering and NK Cell Killing. <i>Journal of Immunology</i> , 2015, 194, 3984-3996.	0.4	31
62	Phosphorylation of SNX27 by MAPK11/14 links cellular stress signaling pathways with endocytic recycling. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	30
63	Dynamin 2 Regulates Granule Exocytosis during NK Cell-Mediated Cytotoxicity. <i>Journal of Immunology</i> , 2008, 181, 6995-7001.	0.4	29
64	Identification of HDAC6 Selective Inhibitors of Low Cancer Cell Cytotoxicity. <i>ChemMedChem</i> , 2016, 11, 81-92.	1.6	29
65	Glycogen synthase kinase-3 β ablation limits pancreatitis-induced acinar ductal metaplasia. <i>Journal of Pathology</i> , 2017, 243, 65-77.	2.1	29
66	High Cell Surface Death Receptor Expression Determines Type I Versus Type II Signaling*. <i>Journal of Biological Chemistry</i> , 2011, 286, 35823-35833.	1.6	27
67	Primers on Molecular Pathways. <i>Pancreatology</i> , 2007, 7, 398-402.	0.5	26
68	Glycogen synthase kinase-3 β : a novel therapeutic target for pancreatic cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 417-426.	1.5	26
69	NKG7 Is a T-cell Intrinsic Therapeutic Target for Improving Antitumor Cytotoxicity and Cancer Immunotherapy. <i>Cancer Immunology Research</i> , 2022, 10, 162-181.	1.6	26
70	Trans-endocytosis elicited by nectins transfers cytoplasmic cargo including infectious material between cells. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	25
71	Nuclear localized FAM21 participates in NF- κ B-dependent gene regulation in pancreatic cancer cells. <i>Journal of Cell Science</i> , 2015, 128, 373-84.	1.2	24
72	WASH phosphorylation balances endosomal versus cortical actin network integrities during epithelial morphogenesis. <i>Nature Communications</i> , 2019, 10, 2193.	5.8	24

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73	The hepatic WASH complex is required for efficient plasma LDL and HDL cholesterol clearance. JCI Insight, 2019, 4, .	2.3	24
74	Lipid kinases VPS34 and PIKfyve coordinate a phosphoinositide cascade to regulate retriever-mediated recycling on endosomes. ELife, 2022, 11, .	2.8	24
75	Dendritic Cells Utilize the Evolutionarily Conserved WASH and Retromer Complexes to Promote MHCII Recycling and Helper T Cell Priming. PLoS ONE, 2014, 9, e98606.	1.1	23
76	Structural and functional studies of TBC1D23 C-terminal domain provide a link between endosomal trafficking and PCH. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22598-22608.	3.3	21
77	Inactivation of Rho GTPases by Burkholderia cenocepacia Induces a WASH-Mediated Actin Polymerization that Delays Phagosome Maturation. Cell Reports, 2020, 31, 107721.	2.9	20
78	IQGAP1 promotes CXCR4 chemokine receptor function and trafficking via EEA-1+ endosomes. Journal of Cell Biology, 2015, 210, 257-272.	2.3	19
79	Targeting Endosomal Recycling Pathways by Bacterial and Viral Pathogens. Frontiers in Cell and Developmental Biology, 2021, 9, 648024.	1.8	18
80	NK cell defects in X-linked pigmentary reticulate disorder. JCI Insight, 2019, 4, .	2.3	17
81	Regulation of murine copper homeostasis by members of the COMMD protein family. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	16
82	NKG2D/DAP10 Signaling recruits EVL to the cytotoxic synapse to generate F-actin and promote NK cell cytotoxicity. Journal of Cell Science, 2019, 133, .	1.2	15
83	MMSET is dynamically regulated during cell-cycle progression and promotes normal DNA replication. Cell Cycle, 2016, 15, 95-105.	1.3	14
84	T Cell Activation at the Immunological Synapse: Vesicles Emerge for LATer Signaling. Science Signaling, 2010, 3, pe16.	1.6	13
85	Microbial Sensing by Intestinal Myeloid Cells Controls Carcinogenesis and Epithelial Differentiation. Cell Reports, 2018, 24, 2342-2355.	2.9	13
86	WASH Regulates Glucose Homeostasis by Facilitating Glut2 Receptor Recycling in Pancreatic Î²-Cells. Diabetes, 2019, 68, 377-386.	0.3	13
87	Molecular regulation of the plasma membrane-proximal cellular steps involved in NK cell cytolytic function. Journal of Cell Science, 2020, 133, .	1.2	13
88	Structure of TBC1D23 N-terminus reveals a novel role for rhodanese domain. PLoS Biology, 2020, 18, e3000746.	2.6	11
89	The WW domains dictate isoform-specific regulation of YAP1 stability and pancreatic cancer cell malignancy. Theranostics, 2020, 10, 4422-4436.	4.6	11
90	DOCK7 protects against replication stress by promoting RPA stability on chromatin. Nucleic Acids Research, 2021, 49, 3322-3337.	6.5	11

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91	VASP Regulates NK Cell Lytic Granule Convergence. <i>Journal of Immunology</i> , 2018, 201, 2899-2909.	0.4	10
92	Cell Growth and Metastasis in Pancreatic Cancer: Is Vav the Rho'd to Activation?. <i>International Journal of Gastrointestinal Cancer</i> , 2002, 31, 5-14.	0.4	9
93	The Trifecta of Single-Cell, Systems-Biology, and Machine-Learning Approaches. <i>Genes</i> , 2021, 12, 1098.	1.0	9
94	Uncovering Pharmacological Opportunities for Cancer Stem Cellsâ€”A Systems Biology View. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 752326.	1.8	9
95	All ways lead to Rome: assembly of retromer on membranes with different sorting nexins. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 139.	7.1	7
96	The septin cytoskeleton regulates natural killer cell lytic granule release. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	7
97	Monitoring receptor trafficking following retromer and WASH deregulation. <i>Methods in Cell Biology</i> , 2015, 130, 199-213.	0.5	6
98	X-Linked Lymphoproliferative Syndrome Presenting as Adult-Onset Multi-Infarct Dementia. <i>Journal of Neuropathology and Experimental Neurology</i> , 2019, 78, 460-466.	0.9	6
99	WASH interacts with Ku to regulate DNA double-stranded break repair. <i>IScience</i> , 2022, 25, 103676.	1.9	6
100	A COVID-associated variant in the ciliogenesis protein CCDC28B disrupts immune synapse assembly. <i>Cell Death and Differentiation</i> , 2022, 29, 65-81.	5.0	5
101	Circulating Blood B Cells in Multiple Myeloma: Analysis and Relationship to Circulating Clonal Cells and Clinical Parameters in a Cohort of Patients Entered on the Eastern Cooperative Oncology Group Phase III E9486 Clinical Trial. <i>Blood</i> , 1997, 90, 340-345.	0.6	5
102	Oncogenic Kras-Mediated Cytokine CCL15 Regulates Pancreatic Cancer Cell Migration and Invasion through ROS. <i>Cancers</i> , 2022, 14, 2153.	1.7	5
103	Locked and Loaded: Mechanisms Regulating Natural Killer Cell Lytic Granule Biogenesis and Release. <i>Frontiers in Immunology</i> , 2022, 13, 871106.	2.2	5
104	Nuclear GSK-3 β and Oncogenic KRas Lead to the Retention of Pancreatic Ductal Progenitor Cells Phenotypically Similar to Those Seen in IPMN. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	4
105	WASHC1 interacts with MCM2-7 complex to promote cell survival under replication stress. <i>Molecular Biology Reports</i> , 2022, 49, 8349-8357.	1.0	1
106	Inhibition of GSK-3 Induces Apoptosis of CLL Cells by Abrogating NF κ B Nuclear Activity.. <i>Blood</i> , 2006, 108, 2797-2797.	0.6	0
107	A phosphoinositide cascade regulates a receptor recycling pathway. <i>FASEB Journal</i> , 2022, 36, .	0.2	0