

# Frederic Bard

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

4,253  
citations

159358

30  
h-index

197535

49  
g-index

61  
all docs

61  
docs citations

61  
times ranked

7171  
citing authors

#	ARTICLE	IF	CITATIONS
1	A genome-wide RNAi screen reveals determinants of human embryonic stem cell identity. <i>Nature</i> , 2010, 468, 316-320.	13.7	407
2	Podosomes Display Actin Turnover and Dynamic Self-Organization in Osteoclasts Expressing Actin-Green Fluorescent Protein. <i>Molecular Biology of the Cell</i> , 2003, 14, 407-416.	0.9	400
3	Functional genomics reveals genes involved in protein secretion and Golgi organization. <i>Nature</i> , 2006, 439, 604-607.	13.7	337
4	Apatite-mediated Actin Dynamics in Resorbing Osteoclasts. <i>Molecular Biology of the Cell</i> , 2004, 15, 5231-5241.	0.9	248
5	Protein kinase D regulates basolateral membrane protein exit from trans-Golgi network. <i>Nature Cell Biology</i> , 2004, 6, 106-112.	4.6	225
6	Location, location, location: new insights into O-GalNAc protein glycosylation. <i>Trends in Cell Biology</i> , 2011, 21, 149-158.	3.6	200
7	Deterministic Restriction on Pluripotent State Dissolution by Cell-Cycle Pathways. <i>Cell</i> , 2015, 162, 564-579.	13.5	185
8	The Formation of TGN-to-Plasma-Membrane Transport Carriers. <i>Annual Review of Cell and Developmental Biology</i> , 2006, 22, 439-455.	4.0	183
9	Regulation of <i>O</i> -glycosylation through Golgi-to-ER relocation of initiation enzymes. <i>Journal of Cell Biology</i> , 2010, 189, 843-858.	2.3	178
10	Systematic Identification of Factors for Provirus Silencing in Embryonic Stem Cells. <i>Cell</i> , 2015, 163, 230-245.	13.5	162
11	Initiation of GalNAc-type O-glycosylation in the endoplasmic reticulum promotes cancer cell invasiveness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3152-61.	3.3	158
12	RNAi screening reveals a large signaling network controlling the Golgi apparatus in human cells. <i>Molecular Systems Biology</i> , 2012, 8, 629.	3.2	121
13	WLS Retrograde Transport to the Endoplasmic Reticulum during Wnt Secretion. <i>Developmental Cell</i> , 2014, 29, 277-291.	3.1	113
14	Transposon mutagenesis identifies genes driving hepatocellular carcinoma in a chronic hepatitis B mouse model. <i>Nature Genetics</i> , 2014, 46, 24-32.	9.4	105
15	Organelle Specific O-Glycosylation Drives MMP14 Activation, Tumor Growth, and Metastasis. <i>Cancer Cell</i> , 2017, 32, 639-653.e6.	7.7	102
16	Short O-GalNAc glycans: regulation and role in tumor development and clinical perspectives. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1623-1639.	1.1	98
17	Src Regulates Golgi Structure and KDEL Receptor-dependent Retrograde Transport to the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2003, 278, 46601-46606.	1.6	97
18	Cracking the Glycome Encoder: Signaling, Trafficking, and Glycosylation. <i>Trends in Cell Biology</i> , 2016, 26, 379-388.	3.6	82

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19	The small GTPase Arf1 modulates mitochondrial morphology and function. <i>EMBO Journal</i> , 2014, 33, 2659-2675.	3.5	81
20	Addicted to secrete " novel concepts and targets in cancer therapy. <i>Trends in Molecular Medicine</i> , 2014, 20, 242-250.	3.5	72
21	Genome-Wide RNAi Screens Identify Genes Required for Ricin and PE Intoxications. <i>Developmental Cell</i> , 2011, 21, 231-244.	3.1	61
22	Nuclear envelope-associated endosomes deliver surface proteins to the nucleus. <i>Nature Communications</i> , 2015, 6, 8218.	5.8	61
23	Genome-Wide Screen Reveals Valosin-Containing Protein Requirement for Coronavirus Exit from Endosomes. <i>Journal of Virology</i> , 2015, 89, 11116-11128.	1.5	54
24	ERK8 is a negative regulator of O-GalNAc glycosylation and cell migration. <i>ELife</i> , 2014, 3, e01828.	2.8	52
25	TRPM5-mediated calcium uptake regulates mucin secretion from human colon goblet cells. <i>ELife</i> , 2013, 2, e00658.	2.8	49
26	RNAi Reveals Phase-Specific Global Regulators of Human Somatic Cell Reprogramming. <i>Cell Reports</i> , 2016, 15, 2597-2607.	2.9	47
27	EV11 oncoprotein interacts with a large and complex network of proteins and integrates signals through protein phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2885-94.	3.3	44
28	Molecular complexes that contain both c-Cbl and c-Src associate with Golgi membranes. <i>European Journal of Cell Biology</i> , 2002, 81, 26-35.	1.6	41
29	Zip14 expression induced by lipopolysaccharides in macrophages attenuates inflammatory response. <i>Inflammation Research</i> , 2013, 62, 133-143.	1.6	37
30	VAMP3/Syb and YKT6 are required for the fusion of constitutive secretory carriers with the plasma membrane. <i>PLoS Genetics</i> , 2017, 13, e1006698.	1.5	37
31	Analysis of Collagen Synthesis and Assembly in Culture by Immortalized Mouse Chondrocytes in the Presence or Absence of $\pm 1$ (IX) Collagen Chains. <i>Experimental Cell Research</i> , 1995, 219, 257-265.	1.2	32
32	The NAE Pathway: Autobahn to the Nucleus for Cell Surface Receptors. <i>Cells</i> , 2019, 8, 915.	1.8	25
33	ER-resident oxidoreductases are glycosylated and trafficked to the cell surface to promote matrix degradation by tumour cells. <i>Nature Cell Biology</i> , 2020, 22, 1371-1381.	4.6	24
34	Sar1, a Novel Regulator of ER-Mitochondrial Contact Sites. <i>PLoS ONE</i> , 2016, 11, e0154280.	1.1	22
35	ScreenSifter: analysis and visualization of RNAi screening data. <i>BMC Bioinformatics</i> , 2013, 14, 290.	1.2	19
36	The GalNAc-T Activation (GALA) Pathway: Drivers and markers. <i>PLoS ONE</i> , 2019, 14, e0214118.	1.1	15

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37	Loss of C2orf69 defines a fatal autoinflammatory syndrome in humans and zebrafish that evokes a glycogen-storage-associated mitochondriopathy. <i>American Journal of Human Genetics</i> , 2021, 108, 1301-1317.	2.6	11
38	Quiescin sulfhydryl oxidase 1 (QSOX1) glycosite mutation perturbs secretion but not Golgi localization. <i>Glycobiology</i> , 2018, 28, 580-591.	1.3	10
39	Digging deep into Golgi phenotypic diversity with unsupervised machine learning. <i>Molecular Biology of the Cell</i> , 2017, 28, 3686-3698.	0.9	8
40	Targeting c-Myc with a novel Peptide Nuclear Delivery Device. <i>Scientific Reports</i> , 2020, 10, 17762.	1.6	8
41	Exploratory analysis of cell-based screening data for phenotype identification in drug-siRNA study. <i>International Journal of Computational Biology and Drug Design</i> , 2011, 4, 194.	0.3	6
42	New developments and novel applications in high throughput and high content imaging. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 705-707.	1.1	6
43	Red-COLA1: a human fibroblast reporter cell line for type I collagen transcription. <i>Scientific Reports</i> , 2020, 10, 19723.	1.6	6
44	Comment on "The GalNAc-T Activation Pathway (GALA) is not a general mechanism for regulating mucin-type O-glycosylation". <i>PLoS ONE</i> , 2017, 12, e0180005.	1.1	6
45	Src activates retrograde membrane traffic through phosphorylation of GBF1. <i>ELife</i> , 2021, 10, .	2.8	6
46	The Ubiquitin Ligase CBLC Maintains the Network Organization of the Golgi Apparatus. <i>PLoS ONE</i> , 2015, 10, e0138789.	1.1	4
47	RNAi Screens for Genes Involved in Golgi Glycosylation. <i>Methods in Molecular Biology</i> , 2015, 1270, 411-426.	0.4	4
48	Pushing the boundaries of high content imaging. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 113-114.	1.1	3
49	RNAi screening reveals a large signaling network controlling the Golgi apparatus in human cells. <i>Molecular Systems Biology</i> , 2013, 9, 677.	3.2	1
50	HCS-PhenoCluster. , 2018, , .		0