

Nica Borgese

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62 papers	3,531 citations	32 h-index	59 g-index
63 ext. papers	3,962 ext. citations	6.8 avg, IF	5.17 L-index

#	Paper	IF	Citations
62	PI(4,5)P(2)-dependent and Ca(2+)-regulated ER-PM interactions mediated by the extended synaptotagmins. <i>Cell</i> , 2013 , 153, 1494-509	56.2	387
61	Formation of stacked ER cisternae by low affinity protein interactions. <i>Journal of Cell Biology</i> , 2003 , 163, 257-69	7.3	365
60	The tale of tail-anchored proteins: coming from the cytosol and looking for a membrane. <i>Journal of Cell Biology</i> , 2003 , 161, 1013-9	7.3	201
59	Endoplasmic reticulum architecture: structures in flux. <i>Current Opinion in Cell Biology</i> , 2006 , 18, 358-64	9	166
58	Ribosomal-membrane interaction: in vitro binding of ribosomes to microsomal membranes. <i>Journal of Molecular Biology</i> , 1974 , 88, 559-80	6.5	163
57	Targeting pathways of C-tail-anchored proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 937-46	3.8	156
56	How tails guide tail-anchored proteins to their destinations. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 368-75	9	149
55	Targeting of a tail-anchored protein to endoplasmic reticulum and mitochondrial outer membrane by independent but competing pathways. <i>Molecular Biology of the Cell</i> , 2001 , 12, 2482-96	3.5	108
54	Transmembrane topogenesis of a tail-anchored protein is modulated by membrane lipid composition. <i>EMBO Journal</i> , 2005 , 24, 2533-42	13	100
53	Uncovering common principles in protein export of malaria parasites. <i>Cell Host and Microbe</i> , 2012 , 12, 717-29	23.4	92
52	Unassisted translocation of large polypeptide domains across phospholipid bilayers. <i>Journal of Cell Biology</i> , 2006 , 175, 767-77	7.3	87
51	Selective activation of the transcription factor ATF6 mediates endoplasmic reticulum proliferation triggered by a membrane protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7832-7	11.5	83
50	Transmembrane domain-dependent partitioning of membrane proteins within the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2008 , 181, 105-18	7.3	81
49	A VAPB mutant linked to amyotrophic lateral sclerosis generates a novel form of organized smooth endoplasmic reticulum. <i>FASEB Journal</i> , 2010 , 24, 1419-30	0.9	76
48	Activation of endothelial nitric-oxide synthase by tumor necrosis factor-alpha: a novel pathway involving sequential activation of neutral sphingomyelinase, phosphatidylinositol-3Ukinase, and Akt. <i>Molecular Pharmacology</i> , 2003 , 63, 886-95	4.3	69
47	KDEL and KKXX retrieval signals appended to the same reporter protein determine different trafficking between endoplasmic reticulum, intermediate compartment, and Golgi complex. <i>Molecular Biology of the Cell</i> , 2003 , 14, 889-902	3.5	69
46	Activation of the endothelial nitric-oxide synthase by tumor necrosis factor-alpha. A novel feedback mechanism regulating cell death. <i>Journal of Biological Chemistry</i> , 2001 , 276, 6529-36	5.4	68

45	N-myristoylation determines dual targeting of mammalian NADH-cytochrome b5 reductase to ER and mitochondrial outer membranes by a mechanism of kinetic partitioning. <i>Journal of Cell Biology</i> , 2005 , 168, 735-45	7.3	66
44	Autophagy and Neurodegeneration: Insights from a Cultured Cell Model of ALS. <i>Cells</i> , 2015 , 4, 354-86	7.9	55
43	Mechanism of residence of cytochrome b(5), a tail-anchored protein, in the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2000 , 148, 899-914	7.3	55
42	Cell culture models to investigate the selective vulnerability of motoneuronal mitochondria to familial ALS-linked G93ASOD1. <i>European Journal of Neuroscience</i> , 2006 , 24, 387-99	3.5	52
41	Trafficking of tail-anchored proteins: transport from the endoplasmic reticulum to the plasma membrane and sorting between surface domains in polarised epithelial cells. <i>Journal of Cell Science</i> , 2002 , 115, 1689-1702	5.3	52
40	Translocation of the C terminus of a tail-anchored protein across the endoplasmic reticulum membrane in yeast mutants defective in signal peptide-driven translocation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 3489-96	5.4	50
39	Site of synthesis of rat liver NADH--cytochrome b5 reductase, an integral membrane protein. <i>FEBS Letters</i> , 1980 , 112, 216-20	3.8	49
38	The role of cytosolic proteins in the insertion of tail-anchored proteins into phospholipid bilayers. <i>Journal of Cell Science</i> , 2009 , 122, 2383-92	5.3	47
37	The targeting information of the mitochondrial outer membrane isoform of cytochrome b5 is contained within the carboxyl-terminal region. <i>FEBS Letters</i> , 1995 , 370, 69-74	3.8	47
36	Trafficking of tail-anchored proteins: transport from the endoplasmic reticulum to the plasma membrane and sorting between surface domains in polarised epithelial cells. <i>Journal of Cell Science</i> , 2002 , 115, 1689-702	5.3	47
35	Remote origins of tail-anchored proteins. <i>Traffic</i> , 2010 , 11, 877-85	5.7	46
34	Nicotine-modulated subunit stoichiometry affects stability and trafficking of $\beta 4$ nicotinic receptor. <i>Journal of Neuroscience</i> , 2013 , 33, 12316-28	6.6	45
33	NADH-cytochrome b5 reductase and cytochrome b5 isoforms as models for the study of post-translational targeting to the endoplasmic reticulum. <i>FEBS Letters</i> , 1993 , 325, 70-5	3.8	45
32	Getting membrane proteins on and off the shuttle bus between the endoplasmic reticulum and the Golgi complex. <i>Journal of Cell Science</i> , 2016 , 129, 1537-45	5.3	38
31	Dynamic and reversible restructuring of the ER induced by PDMP in cultured cells. <i>Journal of Cell Science</i> , 2006 , 119, 3249-60	5.3	32
30	The Ways of Tails: the GET Pathway and more. <i>Protein Journal</i> , 2019 , 38, 289-305	3.9	31
29	Restructured endoplasmic reticulum generated by mutant amyotrophic lateral sclerosis-linked VAPB is cleared by the proteasome. <i>Journal of Cell Science</i> , 2012 , 125, 3601-11	5.3	31
28	Two tail-anchored protein variants, differing in transmembrane domain length and intracellular sorting, interact differently with lipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16269-74	11.5	28

27	CDK5 regulatory subunit-associated protein 1-like 1 (CDKAL1) is a tail-anchored protein in the endoplasmic reticulum (ER) of insulinoma cells. <i>Journal of Biological Chemistry</i> , 2012 , 287, 41808-19	5.4	25
26	The GET pathway can increase the risk of mitochondrial outer membrane proteins to be mistargeted to the ER. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	22
25	Chronic deficiency of nitric oxide affects hypoxia inducible factor-1[HIF-1] stability and migration in human endothelial cells. <i>PLoS ONE</i> , 2011 , 6, e29680	3.7	21
24	Endothelial nitric oxide synthase is segregated from caveolin-1 and localizes to the leading edge of migrating cells. <i>Experimental Cell Research</i> , 2006 , 312, 877-89	4.2	21
23	Immunological similarity of the NADH-cytochrome c electron transport system in microsomes, Golgi complex and mitochondrial outer membrane of rat liver cells. <i>FEBS Letters</i> , 1976 , 63, 231-4	3.8	21
22	Three translationally regulated mRNAs are stored in the cytoplasm of clam oocytes. <i>Developmental Biology</i> , 1987 , 123, 10-6	3.1	18
21	Tail-anchored Protein Insertion in Mammals: FUNCTION AND RECIPROCAL INTERACTIONS OF THE TWO SUBUNITS OF THE TRC40 RECEPTOR. <i>Journal of Biological Chemistry</i> , 2016 , 291, 15292-306	5.4	18
20	Basal nitric oxide release attenuates cell migration of HeLa and endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 386, 744-9	3.4	17
19	Selenoprotein N is an endoplasmic reticulum calcium sensor that links luminal calcium levels to a redox activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 21288-21298	11.5	16
18	A positive signal prevents secretory membrane cargo from recycling between the Golgi and the ER. <i>EMBO Journal</i> , 2014 , 33, 2080-97	13	15
17	Interactions between nitric oxide and sphingolipids and the potential consequences in physiology and pathology. <i>Trends in Pharmacological Sciences</i> , 2003 , 24, 518-23	13.2	15
16	Discrimination between the endoplasmic reticulum and mitochondria by spontaneously inserting tail-anchored proteins. <i>Traffic</i> , 2018 , 19, 182-197	5.7	12
15	The WRB Subunit of the Get3 Receptor is Required for the Correct Integration of its Partner CAML into the ER. <i>Scientific Reports</i> , 2019 , 9, 11887	4.9	12
14	Amyotrophic lateral sclerosis-linked mutant VAPB inclusions do not interfere with protein degradation pathways or intracellular transport in a cultured cell model. <i>PLoS ONE</i> , 2014 , 9, e113416	3.7	11
13	VAPB depletion alters neuritogenesis and phosphoinositide balance in motoneuron-like cells: relevance to VAPB-linked amyotrophic lateral sclerosis. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	6
12	A cellular system to study the role of nitric oxide in cell death, survival, and migration. <i>NeuroToxicology</i> , 2005 , 26, 841-5	4.4	6
11	The fifth subunit in $\text{B}\beta$ nicotinic receptor is more than an accessory subunit. <i>FASEB Journal</i> , 2018 , 32, 4190-4202	0.9	5
10	CAML mediates survival of Myc-induced lymphoma cells independent of tail-anchored protein insertion. <i>Cell Death Discovery</i> , 2017 , 3, 16098	6.9	5

9	An investigation of the effect of membrane curvature on transmembrane-domain dependent protein sorting in lipid bilayers. <i>Cellular Logistics</i> , 2014 , 4, e29087		5
8	The Link between VAPB Loss of Function and Amyotrophic Lateral Sclerosis. <i>Cells</i> , 2021 , 10,	7.9	5
7	Studies on the intracellular distribution of Sindbis messenger RNA in infected chick embryo fibroblasts. 2. Non-parallel distribution of 26-S RNA and ribosomes within microsomal subfractions. <i>FEBS Journal</i> , 1980 , 103, 65-73		4
6	Searching for remote homologs of CAML among eukaryotes. <i>Traffic</i> , 2020 , 21, 647-658	5.7	4
5	Visualization of endoplasmic reticulum subdomains in cultured cells. <i>Journal of Visualized Experiments</i> , 2014 , e50985	1.6	3
4	The quest for a better resolution of protein-translocation processes. Conference on the Control, Co-ordination and Regulation of Protein Targeting and Translocation. <i>EMBO Reports</i> , 2009 , 10, 337-42	6.5	2
3	Membrane Insertion of Tail-anchored Proteins1-9		2
2	Mutant VAPB: Culprit or Innocent Bystander of Amyotrophic Lateral Sclerosis?. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2021 , 4, 251525642110225	2.6	1
1	The inhibitory effect of methylenedisalicylic acid on the attachment of ribosomes to microsomal membranes in vitro. <i>FEBS Letters</i> , 1980 , 116, 95-8	3.8	0