

# Nica Borgese

## List of Publications by Year in descending order

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61  
papers

4,209  
citations

117619

34  
h-index

118840

62  
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63  
all docs

63  
docs citations

63  
times ranked

5145  
citing authors

#	ARTICLE	IF	CITATIONS
1	PI(4,5)P2-Dependent and Ca <sup>2+</sup> -Regulated ER-PM Interactions Mediated by the Extended Synaptotagmins. <i>Cell</i> , 2013, 153, 1494-1509.	28.9	495
2	Formation of stacked ER cisternae by low affinity protein interactions. <i>Journal of Cell Biology</i> , 2003, 163, 257-269.	5.2	420
3	The tale of tail-anchored proteins. <i>Journal of Cell Biology</i> , 2003, 161, 1013-1019.	5.2	227
4	Endoplasmic reticulum architecture: structures in flux. <i>Current Opinion in Cell Biology</i> , 2006, 18, 358-364.	5.4	188
5	Targeting pathways of C-tail-anchored proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 937-946.	2.6	185
6	Ribosomal-membrane interaction: In vitro binding of ribosomes to microsomal membranes. <i>Journal of Molecular Biology</i> , 1974, 88, 559-580.	4.2	170
7	How tails guide tail-anchored proteins to their destinations. <i>Current Opinion in Cell Biology</i> , 2007, 19, 368-375.	5.4	160
8	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, 2482-2496.	2.1	120
9	Transmembrane topogenesis of a tail-anchored protein is modulated by membrane lipid composition. <i>EMBO Journal</i> , 2005, 24, 2533-2542.	7.8	120
10	Uncovering Common Principles in Protein Export of Malaria Parasites. <i>Cell Host and Microbe</i> , 2012, 12, 717-729.	11.0	115
11	Unassisted translocation of large polypeptide domains across phospholipid bilayers. <i>Journal of Cell Biology</i> , 2006, 175, 767-777.	5.2	103
12	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.	2.1	99
13	A VAPB mutant linked to amyotrophic lateral sclerosis generates a novel form of organized smooth endoplasmic reticulum. <i>FASEB Journal</i> , 2010, 24, 1419-1430.	0.5	98
14	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, 7832-7837.	7.1	91
15	Transmembrane domain-dependent partitioning of membrane proteins within the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2008, 181, 105-118.	5.2	87
16	Activation of the Endothelial Nitric-oxide Synthase by Tumor Necrosis Factor- $\alpha$ . <i>Journal of Biological Chemistry</i> , 2001, 276, 6529-6536.	3.4	77
17	Activation of Endothelial Nitric-Oxide Synthase by Tumor Necrosis Factor- $\alpha$ : A Novel Pathway Involving Sequential Activation of Neutral Sphingomyelinase, Phosphatidylinositol-3-OH kinase, and Akt. <i>Molecular Pharmacology</i> , 2003, 63, 886-895.	2.3	76
18	N-myristoylation determines dual targeting of mammalian NADH-cytochrome b(5) reductase to ER and mitochondrial outer membranes by a mechanism of kinetic partitioning. <i>Journal of Cell Biology</i> , 2005, 168, 735-745.	5.2	72

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19	Autophagy and Neurodegeneration: Insights from a Cultured Cell Model of ALS. <i>Cells</i> , 2015, 4, 354-386.	4.1	65
20	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.	5.2	62
21	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.	2.0	62
22	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, 3489-3496.	3.4	59
23	Cell culture models to investigate the selective vulnerability of motoneuronal mitochondria to familial ALS-linked G93ASOD1. <i>European Journal of Neuroscience</i> , 2006, 24, 387-399.	2.6	58
24	The Ways of Tails: the GET Pathway and more. <i>Protein Journal</i> , 2019, 38, 289-305.	1.6	57
25	The role of cytosolic proteins in the insertion of tail-anchored proteins into phospholipid bilayers. <i>Journal of Cell Science</i> , 2009, 122, 2383-2392.	2.0	55
26	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.	2.0	55
27	Site of synthesis of rat liver NADH-cytochrome b5 reductase, an integral membrane protein. <i>FEBS Letters</i> , 1980, 112, 216-220.	2.8	53
28	NADH-cytochrome b 5 reductase and cytochrome b 5 isoforms as models for the study of post-translational targeting to the endoplasmic reticulum. <i>FEBS Letters</i> , 1993, 325, 70-75.	2.8	52
29	Remote Origins of Tail-Anchored Proteins. <i>Traffic</i> , 2010, 11, 877-885.	2.7	50
30	Nicotine-Modulated Subunit Stoichiometry Affects Stability and Trafficking of $\alpha 3 \beta 4$ Nicotinic Receptor. <i>Journal of Neuroscience</i> , 2013, 33, 12316-12328.	3.6	49
31	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.	2.0	49
32	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.	2.8	48
33	Restructured endoplasmic reticulum generated by mutant amyotrophic lateral sclerosis-linked VAPB is cleared by the proteasome. <i>Journal of Cell Science</i> , 2012, 125, 3601-3611.	2.0	41
34	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.	7.1	40
35	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, .	2.0	34
36	Dynamic and reversible restructuring of the ER induced by PDMP in cultured cells. <i>Journal of Cell Science</i> , 2006, 119, 3249-3260.	2.0	33

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37	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, 41808-41819.	3.4	31
38	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, 16269-16274.	7.1	30
39	Tail-anchored Protein Insertion in Mammals. <i>Journal of Biological Chemistry</i> , 2016, 291, 15292-15306.	3.4	29
40	Immunological similarity of the NADH-cytochrome electron transport system in microsomes, Golgi complex and mitochondrial outer membrane of rat liver cells. <i>FEBS Letters</i> , 1976, 63, 231-234.	2.8	26
41	A positive signal prevents secretory membrane cargo from recycling between the Golgi and the ER. <i>EMBO Journal</i> , 2014, 33, 2080-2097.	7.8	26
42	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, 877-889.	2.6	24
43	Discrimination between the endoplasmic reticulum and mitochondria by spontaneously inserting tail-anchored proteins. <i>Traffic</i> , 2018, 19, 182-197.	2.7	22
44	Chronic Deficiency of Nitric Oxide Affects Hypoxia Inducible Factor-1 $\alpha$ (HIF-1 $\alpha$ ) Stability and Migration in Human Endothelial Cells. <i>PLoS ONE</i> , 2011, 6, e29680.	2.5	21
45	Basal nitric oxide release attenuates cell migration of HeLa and endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 744-749.	2.1	20
46	Three translationally regulated mRNAs are stored in the cytoplasm of clam oocytes. <i>Developmental Biology</i> , 1987, 123, 10-16.	2.0	19
47	The Link between VAPB Loss of Function and Amyotrophic Lateral Sclerosis. <i>Cells</i> , 2021, 10, 1865.	4.1	19
48	Interactions between nitric oxide and sphingolipids and the potential consequences in physiology and pathology. <i>Trends in Pharmacological Sciences</i> , 2003, 24, 518-523.	8.7	18
49	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.	2.5	16
50	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.	3.3	16
51	CAML mediates survival of Myc-induced lymphoma cells independent of tail-anchored protein insertion. <i>Cell Death Discovery</i> , 2017, 3, 16098.	4.7	9
52	VAPB depletion alters neuritogenesis and phosphoinositide balance in motoneuron-like cells: relevance to VAPB-linked ALS. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	9
53	The fifth subunit in $\alpha 3\beta 4$ nicotinic receptor is more than an accessory subunit. <i>FASEB Journal</i> , 2018, 32, 4190-4202.	0.5	8
54	Mutant VAPB: Culprit or Innocent Bystander of Amyotrophic Lateral Sclerosis?. <i>Contact (Thousand Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.3	8

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55	A Cellular System to Study the Role of Nitric Oxide in Cell Death, Survival, and Migration. <i>NeuroToxicology</i> , 2005, 26, 841-845.	3.0	6
56	An investigation of the effect of membrane curvature on transmembrane-domain dependent protein sorting in lipid bilayers. <i>Cellular Logistics</i> , 2014, 4, e29087.	0.9	6
57	Searching for remote homologs of CAML among eukaryotes. <i>Traffic</i> , 2020, 21, 647-658.	2.7	6
58	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.	0.2	4
59	Visualization of Endoplasmic Reticulum Subdomains in Cultured Cells. <i>Journal of Visualized Experiments</i> , 2014, , e50985.	0.3	3
60	The quest for a better resolution of proteinâ€translocation processes. <i>EMBO Reports</i> , 2009, 10, 337-342.	4.5	2
61	The inhibitory effect of methylenedisalicylic acid on the attachment of ribosomes to microsomal membranes in vitro. <i>FEBS Letters</i> , 1980, 116, 95-98.	2.8	1