# Nica Borgese

## List of Publications by Year in Descending Order

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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.

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|---|---|---|---|
| 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 | Mutant VAPB: Culprit or Innocent Bystander of Amyotrophic Lateral Sclerosis?. *Contact (Thousand Oaks (Ventura County, Calif ))*, **2021**, 4, 251525642110225 | 2.6 | 1 |
| 61 | The Link between VAPB Loss of Function and Amyotrophic Lateral Sclerosis. *Cells*, **2021**, 10, | 7.9 | 5 |
| 60 | Searching for remote homologs of CAML among eukaryotes. *Traffic*, **2020**, 21, 647-658 | 5.7 | 4 |
| 59 | Selenoprotein N is an endoplasmic reticulum calcium sensor that links luminal calcium levels to a redox activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2020** , 117, 21288-21298 | 11.5 | 16 |
| 58 | The Ways of Tails: the GET Pathway and more. *Protein Journal*, **2019**, 38, 289-305 | 3.9 | 31 |
| 57 | VAPB depletion alters neuritogenesis and phosphoinositide balance in motoneuron-like cells: relevance to VAPB-linked amyotrophic lateral sclerosis. *Journal of Cell Science*, **2019**, 132, | 5.3 | 6 |
| 56 | The WRB Subunit of the Get3 Receptor is Required for the Correct Integration of its Partner CAML into the ER. *Scientific Reports*, **2019**, 9, 11887 | 4.9 | 12 |
| 55 | The GET pathway can increase the risk of mitochondrial outer membrane proteins to be mistargeted to the ER. *Journal of Cell Science*, **2018**, 131, | 5.3 | 22 |
| 54 | Discrimination between the endoplasmic reticulum and mitochondria by spontaneously inserting tail-anchored proteins. *Traffic*, **2018**, 19, 182-197 | 5.7 | 12 |
| 53 | The fifth subunit in α4β4 nicotinic receptor is more than an accessory subunit. *FASEB Journal*, **2018**, 32, 4190-4202 | 0.9 | 5 |
| 52 | CAML mediates survival of Myc-induced lymphoma cells independent of tail-anchored protein insertion. *Cell Death Discovery*, **2017**, 3, 16098 | 6.9 | 5 |
| 51 | Tail-anchored Protein Insertion in Mammals: FUNCTION AND RECIPROCAL INTERACTIONS OF THE TWO SUBUNITS OF THE TRC40 RECEPTOR. *Journal of Biological Chemistry*, **2016**, 291, 15292-306 | 5.4 | 18 |
| 50 | Getting membrane proteins on and off the shuttle bus between the endoplasmic reticulum and the Golgi complex. *Journal of Cell Science*, **2016**, 129, 1537-45 | 5.3 | 38 |
| 49 | Autophagy and Neurodegeneration: Insights from a Cultured Cell Model of ALS. *Cells*, **2015**, 4, 354-86 | 7.9 | 55 |
| 48 | A positive signal prevents secretory membrane cargo from recycling between the Golgi and the ER. *EMBO Journal*, **2014**, 33, 2080-97 | 13 | 15 |
| 47 | Amyotrophic lateral sclerosis-linked mutant VAPB inclusions do not interfere with protein degradation pathways or intracellular transport in a cultured cell model. *PLoS ONE*, **2014**, 9, e113416 | 3.7 | 11 |
| 46 | An investigation of the effect of membrane curvature on transmembrane-domain dependent protein sorting in lipid bilayers. *Cellular Logistics*, **2014**, 4, e29087 | | 5 |

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| 45 | Visualization of endoplasmic reticulum subdomains in cultured cells. *Journal of Visualized Experiments*, **2014**, e50985 | 1.6 | 3 |
| 44 | PI(4,5)P(2)-dependent and Ca(2+)-regulated ER-PM interactions mediated by the extended synaptotagmins. *Cell*, **2013**, 153, 1494-509 | 56.2 | 387 |
| 43 | Nicotine-modulated subunit stoichiometry affects stability and trafficking of α4β4 nicotinic receptor. *Journal of Neuroscience*, **2013**, 33, 12316-28 | 6.6 | 45 |
| 42 | Uncovering common principles in protein export of malaria parasites. *Cell Host and Microbe*, **2012**, 12, 717-29 | 23.4 | 92 |
| 41 | CDK5 regulatory subunit-associated protein 1-like 1 (CDKAL1) is a tail-anchored protein in the endoplasmic reticulum (ER) of insulinoma cells. *Journal of Biological Chemistry*, **2012**, 287, 41808-19 | 5.4 | 25 |
| 40 | Restructured endoplasmic reticulum generated by mutant amyotrophic lateral sclerosis-linked VAPB is cleared by the proteasome. *Journal of Cell Science*, **2012**, 125, 3601-11 | 5.3 | 31 |
| 39 | Selective activation of the transcription factor ATF6 mediates endoplasmic reticulum proliferation triggered by a membrane protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 7832-7 | 11.5 | 83 |
| 38 | Targeting pathways of C-tail-anchored proteins. *Biochimica Et Biophysica Acta - Biomembranes*, **2011** , 1808, 937-46 | 3.8 | 156 |
| 37 | Chronic deficiency of nitric oxide affects hypoxia inducible factor-1α (HIF-1α) stability and migration in human endothelial cells. *PLoS ONE*, **2011**, 6, e29680 | 3.7 | 21 |
| 36 | Remote origins of tail-anchored proteins. *Traffic*, **2010**, 11, 877-85 | 5.7 | 46 |
| 35 | A VAPB mutant linked to amyotrophic lateral sclerosis generates a novel form of organized smooth endoplasmic reticulum. *FASEB Journal*, **2010**, 24, 1419-30 | 0.9 | 76 |
| 34 | The role of cytosolic proteins in the insertion of tail-anchored proteins into phospholipid bilayers. *Journal of Cell Science*, **2009**, 122, 2383-92 | 5.3 | 47 |
| 33 | The quest for a better resolution of protein-translocation processes. Conference on the Control, Co-ordination and Regulation of Protein Targeting and Translocation. *EMBO Reports*, **2009**, 10, 337-42 | 6.5 | 2 |
| 32 | Basal nitric oxide release attenuates cell migration of HeLa and endothelial cells. *Biochemical and Biophysical Research Communications*, **2009**, 386, 744-9 | 3.4 | 17 |
| 31 | Transmembrane domain-dependent partitioning of membrane proteins within the endoplasmic reticulum. *Journal of Cell Biology*, **2008**, 181, 105-18 | 7.3 | 81 |
| 30 | How tails guide tail-anchored proteins to their destinations. *Current Opinion in Cell Biology*, **2007**, 19, 368-75 | 9 | 149 |
| 29 | Endoplasmic reticulum architecture: structures in flux. *Current Opinion in Cell Biology*, **2006**, 18, 358-64 | 9 | 166 |
| 28 | Dynamic and reversible restructuring of the ER induced by PDMP in cultured cells. *Journal of Cell Science*, **2006**, 119, 3249-60 | 5.3 | 32 |

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| 27 | Unassisted translocation of large polypeptide domains across phospholipid bilayers. *Journal of Cell Biology*, **2006**, 175, 767-77 | 7.3 | 87 |
| 26 | Endothelial nitric oxide synthase is segregated from caveolin-1 and localizes to the leading edge of migrating cells. *Experimental Cell Research*, **2006**, 312, 877-89 | 4.2 | 21 |
| 25 | Cell culture models to investigate the selective vulnerability of motoneuronal mitochondria to familial ALS-linked G93ASOD1. *European Journal of Neuroscience*, **2006**, 24, 387-99 | 3.5 | 52 |
| 24 | A cellular system to study the role of nitric oxide in cell death, survival, and migration. *NeuroToxicology*, **2005**, 26, 841-5 | 4.4 | 6 |
| 23 | Transmembrane topogenesis of a tail-anchored protein is modulated by membrane lipid composition. *EMBO Journal*, **2005**, 24, 2533-42 | 13 | 100 |
| 22 | Two tail-anchored protein variants, differing in transmembrane domain length and intracellular sorting, interact differently with lipids. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16269-74 | 11.5 | 28 |
| 21 | N-myristoylation determines dual targeting of mammalian NADH-cytochrome b5 reductase to ER and mitochondrial outer membranes by a mechanism of kinetic partitioning. *Journal of Cell Biology*, **2005**, 168, 735-45 | 7.3 | 66 |
| 20 | Translocation of the C terminus of a tail-anchored protein across the endoplasmic reticulum membrane in yeast mutants defective in signal peptide-driven translocation. *Journal of Biological Chemistry*, **2003**, 278, 3489-96 | 5.4 | 50 |
| 19 | Interactions between nitric oxide and sphingolipids and the potential consequences in physiology and pathology. *Trends in Pharmacological Sciences*, **2003**, 24, 518-23 | 13.2 | 15 |
| 18 | The tale of tail-anchored proteins: coming from the cytosol and looking for a membrane. *Journal of Cell Biology*, **2003**, 161, 1013-9 | 7.3 | 201 |
| 17 | Activation of endothelial nitric-oxide synthase by tumor necrosis factor-alpha: a novel pathway involving sequential activation of neutral sphingomyelinase, phosphatidylinositol-3Ukinase, and Akt. *Molecular Pharmacology*, **2003**, 63, 886-95 | 4.3 | 69 |
| 16 | Formation of stacked ER cisternae by low affinity protein interactions. *Journal of Cell Biology*, **2003**, 163, 257-69 | 7.3 | 365 |
| 15 | KDEL and KKXX retrieval signals appended to the same reporter protein determine different trafficking between endoplasmic reticulum, intermediate compartment, and Golgi complex. *Molecular Biology of the Cell*, **2003**, 14, 889-902 | 3.5 | 69 |
| 14 | Trafficking of tail-anchored proteins: transport from the endoplasmic reticulum to the plasma membrane and sorting between surface domains in polarised epithelial cells. *Journal of Cell Science*, **2002**, 115, 1689-1702 | 5.3 | 52 |
| 13 | Trafficking of tail-anchored proteins: transport from the endoplasmic reticulum to the plasma membrane and sorting between surface domains in polarised epithelial cells. *Journal of Cell Science*, **2002**, 115, 1689-702 | 5.3 | 47 |
| 12 | Targeting of a tail-anchored protein to endoplasmic reticulum and mitochondrial outer membrane by independent but competing pathways. *Molecular Biology of the Cell*, **2001**, 12, 2482-96 | 3.5 | 108 |
| 11 | Activation of the endothelial nitric-oxide synthase by tumor necrosis factor-alpha. A novel feedback mechanism regulating cell death. *Journal of Biological Chemistry*, **2001**, 276, 6529-36 | 5.4 | 68 |
| 10 | Mechanism of residence of cytochrome b(5), a tail-anchored protein, in the endoplasmic reticulum. *Journal of Cell Biology*, **2000**, 148, 899-914 | 7.3 | 55 |

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| 9 | The targeting information of the mitochondrial outer membrane isoform of cytochrome b5 is contained within the carboxyl-terminal region. *FEBS Letters*, **1995**, 370, 69-74 | 3.8 | 47 |
| 8 | NADH-cytochrome b5 reductase and cytochrome b5 isoforms as models for the study of post-translational targeting to the endoplasmic reticulum. *FEBS Letters*, **1993**, 325, 70-5 | 3.8 | 45 |
| 7 | Three translationally regulated mRNAs are stored in the cytoplasm of clam oocytes. *Developmental Biology*, **1987**, 123, 10-6 | 3.1 | 18 |
| 6 | 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. *FEBS Journal*, **1980**, 103, 65-73 | | 4 |
| 5 | Site of synthesis of rat liver NADH--cytochrome b5 reductase, an integral membrane protein. *FEBS Letters*, **1980**, 112, 216-20 | 3.8 | 49 |
| 4 | The inhibitory effect of methylenedisalicylic acid on the attachment of ribosomes to microsomal membranes in vitro. *FEBS Letters*, **1980**, 116, 95-8 | 3.8 | 0 |
| 3 | Immunological similarity of the NADH-cytochrome c electron transport system in microsomes, Golgi complex and mitochondrial outer membrane of rat liver cells. *FEBS Letters*, **1976**, 63, 231-4 | 3.8 | 21 |
| 2 | Ribosomal-membrane interaction: in vitro binding of ribosomes to microsomal membranes. *Journal of Molecular Biology*, **1974**, 88, 559-80 | 6.5 | 163 |
| 1 | Membrane Insertion of Tail-anchored Proteins1-9 | | 2 |