

# Ivan Robert Nabi

## List of Publications by Citations

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128  
papers

12,651  
citations

49  
h-index

112  
g-index

147  
ext. papers

14,123  
ext. citations

7  
avg. IF

6.17  
L-index

#	Paper	IF	Citations
128	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
127	Caveolae/raft-dependent endocytosis. <i>Journal of Cell Biology</i> , <b>2003</b> , 161, 673-7	7.3	595
126	Regulation of cytokine receptors by Golgi N-glycan processing and endocytosis. <i>Science</i> , <b>2004</b> , 306, 120-4	33.3	573
125	A viral phospholipase A2 is required for parvovirus infectivity. <i>Developmental Cell</i> , <b>2001</b> , 1, 291-302	10.2	372
124	Metabolism, cell surface organization, and disease. <i>Cell</i> , <b>2009</b> , 139, 1229-41	56.2	353
123	Screen for chemical modulators of autophagy reveals novel therapeutic inhibitors of mTORC1 signaling. <i>PLoS ONE</i> , <b>2009</b> , 4, e7124	3.7	269
122	Lattices, rafts, and scaffolds: domain regulation of receptor signaling at the plasma membrane. <i>Journal of Cell Biology</i> , <b>2009</b> , 185, 381-5	7.3	269
121	Glycosylation, galectins and cellular signaling. <i>Current Opinion in Cell Biology</i> , <b>2011</b> , 23, 383-92	9	261
120	Lipid rafts, caveolae, and their endocytosis. <i>International Review of Cell and Molecular Biology</i> , <b>2010</b> , 282, 135-63	6	255
119	Caveolin-1 in tumor progression: the good, the bad and the ugly. <i>Cancer and Metastasis Reviews</i> , <b>2008</b> , 27, 715-35	9.6	238
118	Reduced contact-inhibition and substratum adhesion in epithelial cells expressing GlcNAc-transferase V. <i>Journal of Cell Biology</i> , <b>1995</b> , 130, 383-92	7.3	221
117	Regulation of raft-dependent endocytosis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2007</b> , 11, 644-53	5.6	214
116	Mammalian staufen is a double-stranded-RNA- and tubulin-binding protein which localizes to the rough endoplasmic reticulum. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 2220-30	4.8	208
115	Plasma membrane domain organization regulates EGFR signaling in tumor cells. <i>Journal of Cell Biology</i> , <b>2007</b> , 179, 341-56	7.3	202
114	Phosphorylated caveolin-1 regulates Rho/ROCK-dependent focal adhesion dynamics and tumor cell migration and invasion. <i>Cancer Research</i> , <b>2008</b> , 68, 8210-20	10.1	200
113	Pseudopodial actin dynamics control epithelial-mesenchymal transition in metastatic cancer cells. <i>Cancer Research</i> , <b>2010</b> , 70, 3780-90	10.1	196
112	The galectin lattice at a glance. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 2213-9	5.3	191

111	Caveolin-1 is a negative regulator of caveolae-mediated endocytosis to the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 3371-9	5.4	178
110	Distinct caveolae-mediated endocytic pathways target the Golgi apparatus and the endoplasmic reticulum. <i>Journal of Cell Science</i> , <b>2003</b> , 116, 1059-71	5.3	169
109	Adaptive regulation at the cell surface by N-glycosylation. <i>Traffic</i> , <b>2009</b> , 10, 1569-78	5.7	164
108	Galectin binding to Mgat5-modified N-glycans regulates fibronectin matrix remodeling in tumor cells. <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 3181-93	4.8	158
107	Concerted regulation of focal adhesion dynamics by galectin-3 and tyrosine-phosphorylated caveolin-1. <i>Journal of Cell Biology</i> , <b>2008</b> , 180, 1261-75	7.3	148
106	Calcium regulates the association between mitochondria and a smooth subdomain of the endoplasmic reticulum. <i>Journal of Cell Biology</i> , <b>2000</b> , 150, 1489-98	7.3	142
105	Regulation of mitophagy by the Gp78 E3 ubiquitin ligase. <i>Molecular Biology of the Cell</i> , <b>2013</b> , 24, 1153-62,5	3.5	133
104	Biogenesis of multilamellar bodies via autophagy. <i>Molecular Biology of the Cell</i> , <b>2000</b> , 11, 255-68	3.5	133
103	The polarization of the motile cell. <i>Journal of Cell Science</i> , <b>1999</b> , 112, 1803-1811	5.3	125
102	Diagnostic utility of galectin-3 in thyroid cancer. <i>American Journal of Pathology</i> , <b>2010</b> , 176, 2067-81	5.8	118
101	Plasticity in epithelial cell phenotype: modulation by expression of different cadherin cell adhesion molecules. <i>Journal of Cell Biology</i> , <b>1995</b> , 129, 507-19	7.3	118
100	An endogenous MDCK lysosomal membrane glycoprotein is targeted basolaterally before delivery to lysosomes. <i>Journal of Cell Biology</i> , <b>1991</b> , 115, 1573-84	7.3	110
99	Localization of autocrine motility factor receptor to caveolae and clathrin-independent internalization of its ligand to smooth endoplasmic reticulum. <i>Molecular Biology of the Cell</i> , <b>1998</b> , 9, 1773-86	3.5	97
98	Autocrine motility factor and its receptor: role in cell locomotion and metastasis. <i>Cancer and Metastasis Reviews</i> , <b>1992</b> , 11, 5-20	9.6	89
97	Actin cytoskeleton regulation of epithelial mesenchymal transition in metastatic cancer cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119954	3.7	83
96	Ganglioside GM1 levels are a determinant of the extent of caveolae/raft-dependent endocytosis of cholera toxin to the Golgi apparatus. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 1421-30	5.3	82
95	Distinct mechanisms controlling rough and smooth endoplasmic reticulum contacts with mitochondria. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 2759-65	5.3	80
94	Phosphocaveolin-1 is a mechanotransducer that induces caveola biogenesis via Egr1 transcriptional regulation. <i>Journal of Cell Biology</i> , <b>2012</b> , 199, 425-35	7.3	79

93	Fluorescence-quenching and resonance energy transfer studies of lipid microdomains in model and biological membranes. <i>Molecular Membrane Biology</i> , <b>2006</b> , 23, 5-16	3.4	73
92	The interactome of metabolic enzyme carbonic anhydrase IX reveals novel roles in tumor cell migration and invadopodia/MMP14-mediated invasion. <i>Oncogene</i> , <b>2017</b> , 36, 6244-6261	9.2	72
91	The lipid composition of autophagic vacuoles regulates expression of multilamellar bodies. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 1991-2003	5.3	71
90	Galectin-3 protein regulates mobility of N-cadherin and GM1 ganglioside at cell-cell junctions of mammary carcinoma cells. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 32940-52	5.4	69
89	A Review of Super-Resolution Single-Molecule Localization Microscopy Cluster Analysis and Quantification Methods. <i>Patterns</i> , <b>2020</b> , 1, 100038	5.1	68
88	The complex biology of autocrine motility factor/phosphoglucose isomerase (AMF/PGI) and its receptor, the gp78/AMFR E3 ubiquitin ligase. <i>Molecular BioSystems</i> , <b>2009</b> , 5, 793-801		62
87	Synaptojanin 2 functions at an early step of clathrin-mediated endocytosis. <i>Current Biology</i> , <b>2003</b> , 13, 659-63	6.3	61
86	Tumor cell pseudopodial protrusions. Localized signaling domains coordinating cytoskeleton remodeling, cell adhesion, glycolysis, RNA translocation, and protein translation. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 30564-73	5.4	60
85	Reversible interactions between smooth domains of the endoplasmic reticulum and mitochondria are regulated by physiological cytosolic Ca <sup>2+</sup> levels. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 3553-64	5.3	57
84	Overexpression of the autocrine motility factor/phosphoglucose isomerase induces transformation and survival of NIH-3T3 fibroblasts. <i>Cancer Research</i> , <b>2003</b> , 63, 242-9	10.1	57
83	Cell shape modulation alters glycosylation of a metastatic melanoma cell-surface antigen. <i>International Journal of Cancer</i> , <b>1987</b> , 40, 396-402	7.5	51
82	Caveolin-1 regulation of dynamin-dependent, raft-mediated endocytosis of cholera toxin-B sub-unit occurs independently of caveolae. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 3218-25	5.6	50
81	Lipid raft association restricts CD44-ezrin interaction and promotion of breast cancer cell migration. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 2172-87	5.8	49
80	Influence of cationic lipid composition on uptake and intracellular processing of lipid nanoparticle formulations of siRNA. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2013</b> , 9, 233-46	6	48
79	Galectin-3- and phospho-caveolin-1-dependent outside-in integrin signaling mediates the EGF mitogenic response in mammary cancer cells. <i>Molecular Biology of the Cell</i> , <b>2013</b> , 24, 2134-45	3.5	48
78	Purification and characterization of beta-actin-rich tumor cell pseudopodia: role of glycolysis. <i>Experimental Cell Research</i> , <b>2000</b> , 258, 171-83	4.2	47
77	Interaction of the smooth endoplasmic reticulum and mitochondria. <i>Biochemical Society Transactions</i> , <b>2006</b> , 34, 370-3	5.1	45
76	Autocrine motility factor receptor: a clinical review. <i>Expert Review of Anticancer Therapy</i> , <b>2008</b> , 8, 207-17	3.5	43

75	Autocrine motility factor receptor is a marker for a distinct membranous tubular organelle. <i>Journal of Cell Biology</i> , <b>1995</b> , 129, 459-71	7.3	42
74	Raft-dependent endocytosis of autocrine motility factor is phosphatidylinositol 3-kinase-dependent in breast carcinoma cells. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 29305-13	5.4	40
73	The extent of poly lactosamine glycosylation of MDCK LAMP-2 is determined by its Golgi residence time. <i>Glycobiology</i> , <b>1998</b> , 8, 947-53	5.8	36
72	Caveolin-1 mediates Fas-BID signaling in hyperoxia-induced apoptosis. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 50, 1252-62	7.8	35
71	Autocrine motility factor/phosphoglucose isomerase regulates ER stress and cell death through control of ER calcium release. <i>Cell Death and Differentiation</i> , <b>2011</b> , 18, 1057-70	12.7	34
70	Caveolae: The FAQs. <i>Traffic</i> , <b>2020</b> , 21, 181-185	5.7	34
69	p38 MAP kinase-dependent phosphorylation of the Gp78 E3 ubiquitin ligase controls ER-mitochondria association and mitochondria motility. <i>Molecular Biology of the Cell</i> , <b>2015</b> , 26, 3828-40	3.5	31
68	Differential impact of caveolae and caveolin-1 scaffolds on the membrane raft proteome. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M110.007146	7.6	29
67	The phospho-caveolin-1 scaffolding domain dampens force fluctuations in focal adhesions and promotes cancer cell migration. <i>Molecular Biology of the Cell</i> , <b>2017</b> , 28, 2190-2201	3.5	28
66	A role for KAI1 in promotion of cell proliferation and mammary gland hyperplasia by the gp78 ubiquitin ligase. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 8830-9	5.4	28
65	A novel murine Staufen isoform modulates the RNA content of Staufen complexes. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 5592-601	4.8	28
64	Inter-domain tagging implicates caveolin-1 in insulin receptor trafficking and Erk signaling bias in pancreatic beta-cells. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 366-378	8.8	27
63	Coordinated expression of galectin-3 and caveolin-1 in thyroid cancer. <i>Journal of Pathology</i> , <b>2012</b> , 228, 56-66	9.4	24
62	Rho/ROCK-dependent pseudopodial protrusion and cellular blebbing are regulated by p38 MAPK in tumour cells exhibiting autocrine c-Met activation. <i>Biology of the Cell</i> , <b>2006</b> , 98, 337-51	3.5	24
61	Expression of the AMF/neuroleukin receptor in developing and adult brain cerebellum. <i>Journal of Neuroscience Research</i> , <b>2000</b> , 60, 602-12	4.4	23
60	Clathrin-mediated endocytosis and recycling of autocrine motility factor receptor to fibronectin fibrils is a limiting factor for NIH-3T3 cell motility. <i>Journal of Cell Science</i> , <b>2000</b> , 113, 3227-3240	5.3	23
59	The enzymatic activity of phosphoglucose isomerase is not required for its cytokine function. <i>FEBS Letters</i> , <b>2003</b> , 534, 49-53	3.8	22
58	Localized Rho GTPase activation regulates RNA dynamics and compartmentalization in tumor cell protrusions. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 34785-95	5.4	21

57	Super Resolution Network Analysis Defines the Molecular Architecture of Caveolae and Caveolin-1 Scaffolds. <i>Scientific Reports</i> , <b>2018</b> , 8, 9009	4.9	19
56	Super-resolution modularity analysis shows polyhedral caveolin-1 oligomers combine to form scaffolds and caveolae. <i>Scientific Reports</i> , <b>2019</b> , 9, 9888	4.9	19
55	Galectin-3 Overrides PTRF/Cavin-1 Reduction of PC3 Prostate Cancer Cell Migration. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126056	3.7	19
54	The gene product of the gp78/AMFR ubiquitin E3 ligase cDNA is selectively recognized by the 3F3A antibody within a subdomain of the endoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 320, 1316-22	3.4	19
53	Autocrine activation of the hepatocyte growth factor receptor/met tyrosine kinase induces tumor cell motility by regulating pseudopodial protrusion. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 48342-50	5.4	19
52	Species specificity of the cytokine function of phosphoglucose isomerase. <i>FEBS Letters</i> , <b>2002</b> , 525, 151-53	3.8	19
51	Human Subtilisin Kexin Isozyme-1 (SKI-1)/Site-1 Protease (S1P) regulates cytoplasmic lipid droplet abundance: A potential target for indirect-acting anti-dengue virus agents. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174483	3.7	18
50	RING finger palmitoylation of the endoplasmic reticulum Gp78 E3 ubiquitin ligase. <i>FEBS Letters</i> , <b>2012</b> , 586, 2488-93	3.8	18
49	Raft endocytosis of AMF regulates mitochondrial dynamics through Rac1 signaling and the Gp78 ubiquitin ligase. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 3295-304	5.3	18
48	Reticulon and CLIMP-63 regulate nanodomain organization of peripheral ER tubules. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000355	9.7	17
47	Peripheral endoplasmic reticulum localization of the Gp78 ubiquitin ligase activity. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 1727-37	5.3	17
46	Inverse relation of autocrine motility factor receptor and E-cadherin expression following MDCK epithelial cell transformation. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 219, 122-7	3.4	17
45	Raft-dependent endocytosis of autocrine motility factor/phosphoglucose isomerase: a potential drug delivery route for tumor cells. <i>PLoS ONE</i> , <b>2008</b> , 3, e3597	3.7	17
44	Evaluation of type 1 growth factor receptor family expression in benign and malignant thyroid lesions. <i>American Journal of Surgery</i> , <b>2008</b> , 195, 667-73; discussion 673	2.7	15
43	Tyrosine phosphorylation of tumor cell caveolin-1: impact on cancer progression. <i>Cancer and Metastasis Reviews</i> , <b>2020</b> , 39, 455-469	9.6	13
42	Caveolin-1, galectin-3 and lipid raft domains in cancer cell signalling. <i>Essays in Biochemistry</i> , <b>2015</b> , 57, 189-201	7.6	13
41	A TMPRSS2 inhibitor acts as a pan-SARS-CoV-2 prophylactic and therapeutic.. <i>Nature</i> , <b>2022</b> ,	50.4	13
40	Hypoxia Attenuates Trastuzumab Uptake and Trastuzumab-Emtansine (T-DM1) Cytotoxicity through Redistribution of Phosphorylated Caveolin-1. <i>Molecular Cancer Research</i> , <b>2020</b> , 18, 644-656	6.6	9

39	Galectins as Adaptors: Linking Glycosylation and Metabolism with Extracellular Cues. <i>Trends in Glycoscience and Glycotechnology</i> , <b>2018</b> , 30, SE167-SE177	0.1	8
38	A novel highly potent inhibitor of TMPRSS2-like proteases blocks SARS-CoV-2 variants of concern and is broadly protective against infection and mortality in mice <b>2021</b> ,		7
37	Caveolae and scaffold detection from single molecule localization microscopy data using deep learning. <i>PLoS ONE</i> , <b>2019</b> , 14, e0211659	3.7	6
36	The Gp78 ubiquitin ligase: probing endoplasmic reticulum complexity. <i>Protoplasma</i> , <b>2012</b> , 249 Suppl 1, S11-8	3.4	6
35	Microvilli <b>2011</b> , 213-228		6
34	Identification of caveolin-1 domain signatures via machine learning and graphlet analysis of single-molecule super-resolution data. <i>Bioinformatics</i> , <b>2019</b> , 35, 3468-3475	7.2	6
33	Super resolution microscopy and deep learning identify Zika virus reorganization of the endoplasmic reticulum. <i>Scientific Reports</i> , <b>2020</b> , 10, 20937	4.9	5
32	Caveolin-1 Y14 phosphorylation suppresses tumor growth while promoting invasion. <i>Oncotarget</i> , <b>2019</b> , 10, 6668-6677	3.3	4
31	Epithelial Domains351-369		3
30	ERGO: Efficient Recurrent Graph Optimized Emitter Density Estimation in Single Molecule Localization Microscopy. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 1942-1956	11.7	2
29	Single molecule network analysis identifies structural changes to caveolae and scaffolds due to mutation of the caveolin-1 scaffolding domain. <i>Scientific Reports</i> , <b>2021</b> , 11, 7810	4.9	2
28	Nuclear Domains393-413		2
27	Mitochondria87-111		2
26	Neuronal Domains <b>2011</b> , 371-390		1
25	Gp78 E3 ubiquitin ligase mediates both basal and damage-induced mitophagy		1
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20	The Actin Cytoskeleton197-212	0
19	Microtubules229-243	0
18	Effect of caveolin-1 on Stat3-tyr705 levels in breast and lung carcinoma cells. <i>Biochemistry and Cell Biology</i> , <b>2019</b> , 97, 638-646	3.6
17	The Golgi Apparatus <b>2011</b> , 133-146	
16	Expression of Gp78/Autocrine Motility Factor Receptor and Endocytosis of Autocrine Motility Factor in Human Thyroid Cancer Cells. <i>Cureus</i> , <b>2019</b> , 11, e4928	1.2
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