

Ivan Robert Nabi

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.

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	A TMPRSS2 inhibitor acts as a pan-SARS-CoV-2 prophylactic and therapeutic.. <i>Nature</i> , 2022 ,	50.4	13
127	DEEMD: Drug Efficacy Estimation against SARS-CoV-2 based on cell Morphology with Deep multiple instance learning. <i>IEEE Transactions on Medical Imaging</i> , 2022 , 1-1	11.7	
126	Single molecule network analysis identifies structural changes to caveolae and scaffolds due to mutation of the caveolin-1 scaffolding domain. <i>Scientific Reports</i> , 2021 , 11, 7810	4.9	2
125	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 2021 ,		7
124	Tyrosine phosphorylation of tumor cell caveolin-1: impact on cancer progression. <i>Cancer and Metastasis Reviews</i> , 2020 , 39, 455-469	9.6	13
123	Hypoxia Attenuates Trastuzumab Uptake and Trastuzumab-Emtansine (T-DM1) Cytotoxicity through Redistribution of Phosphorylated Caveolin-1. <i>Molecular Cancer Research</i> , 2020 , 18, 644-656	6.6	9
122	ERGO: Efficient Recurrent Graph Optimized Emitter Density Estimation in Single Molecule Localization Microscopy. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 1942-1956	11.7	2
121	Super resolution microscopy and deep learning identify Zika virus reorganization of the endoplasmic reticulum. <i>Scientific Reports</i> , 2020 , 10, 20937	4.9	5
120	A Review of Super-Resolution Single-Molecule Localization Microscopy Cluster Analysis and Quantification Methods. <i>Patterns</i> , 2020 , 1, 100038	5.1	68
119	Biography-Ivan Robert Nabi. <i>Cancer and Metastasis Reviews</i> , 2020 , 39, 333	9.6	
118	Caveolae: The FAQs. <i>Traffic</i> , 2020 , 21, 181-185	5.7	34
117	Caveolae and scaffold detection from single molecule localization microscopy data using deep learning. <i>PLoS ONE</i> , 2019 , 14, e0211659	3.7	6
116	Reticulon and CLIMP-63 regulate nanodomain organization of peripheral ER tubules. <i>PLoS Biology</i> , 2019 , 17, e3000355	9.7	17
115	Effect of caveolin-1 on Stat3-ptyr705 levels in breast and lung carcinoma cells. <i>Biochemistry and Cell Biology</i> , 2019 , 97, 638-646	3.6	
114	Super-resolution modularity analysis shows polyhedral caveolin-1 oligomers combine to form scaffolds and caveolae. <i>Scientific Reports</i> , 2019 , 9, 9888	4.9	19
113	Caveolin-1 Y14 phosphorylation suppresses tumor growth while promoting invasion. <i>Oncotarget</i> , 2019 , 10, 6668-6677	3.3	4
112	Expression of Gp78/Autocrine Motility Factor Receptor and Endocytosis of Autocrine Motility Factor in Human Thyroid Cancer Cells. <i>Cureus</i> , 2019 , 11, e4928	1.2	

111	Identification of caveolin-1 domain signatures via machine learning and graphlet analysis of single-molecule super-resolution data. <i>Bioinformatics</i> , 2019 , 35, 3468-3475	7.2	6
110	Galectins as Adaptors: Linking Glycosylation and Metabolism with Extracellular Cues. <i>Trends in Glycoscience and Glycotechnology</i> , 2018 , 30, SE167-SE177	0.1	8
109	Super Resolution Network Analysis Defines the Molecular Architecture of Caveolae and Caveolin-1 Scaffolds. <i>Scientific Reports</i> , 2018 , 8, 9009	4.9	19
108	The phospho-caveolin-1 scaffolding domain dampens force fluctuations in focal adhesions and promotes cancer cell migration. <i>Molecular Biology of the Cell</i> , 2017 , 28, 2190-2201	3.5	28
107	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> , 2017 , 12, e0174483	3.7	18
106	The interactome of metabolic enzyme carbonic anhydrase IX reveals novel roles in tumor cell migration and invadopodia/MMP14-mediated invasion. <i>Oncogene</i> , 2017 , 36, 6244-6261	9.2	72
105	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
104	Inter-domain tagging implicates caveolin-1 in insulin receptor trafficking and Erk signaling bias in pancreatic beta-cells. <i>Molecular Metabolism</i> , 2016 , 5, 366-378	8.8	27
103	Distinct mechanisms controlling rough and smooth endoplasmic reticulum contacts with mitochondria. <i>Journal of Cell Science</i> , 2015 , 128, 2759-65	5.3	80
102	The galectin lattice at a glance. <i>Journal of Cell Science</i> , 2015 , 128, 2213-9	5.3	191
101	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> , 2015 , 26, 3828-40	3.5	31
100	Actin cytoskeleton regulation of epithelial mesenchymal transition in metastatic cancer cells. <i>PLoS ONE</i> , 2015 , 10, e0119954	3.7	83
99	Galectin-3 Overrides PTRF/Cavin-1 Reduction of PC3 Prostate Cancer Cell Migration. <i>PLoS ONE</i> , 2015 , 10, e0126056	3.7	19
98	Caveolin-1, galectin-3 and lipid raft domains in cancer cell signalling. <i>Essays in Biochemistry</i> , 2015 , 57, 189-201	7.6	13
97	Influence of cationic lipid composition on uptake and intracellular processing of lipid nanoparticle formulations of siRNA. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 233-46	6	48
96	Raft endocytosis of AMF regulates mitochondrial dynamics through Rac1 signaling and the Gp78 ubiquitin ligase. <i>Journal of Cell Science</i> , 2013 , 126, 3295-304	5.3	18
95	Regulation of mitophagy by the Gp78 E3 ubiquitin ligase. <i>Molecular Biology of the Cell</i> , 2013 , 24, 1153-62	5.5	133
94	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> , 2013 , 24, 2134-45	3.5	48

93	The Gp78 ubiquitin ligase: probing endoplasmic reticulum complexity. <i>Protoplasma</i> , 2012 , 249 Suppl 1, S11-8	3.4	6
92	Phosphocaveolin-1 is a mechanotransducer that induces caveola biogenesis via Egr1 transcriptional regulation. <i>Journal of Cell Biology</i> , 2012 , 199, 425-35	7.3	79
91	RING finger palmitoylation of the endoplasmic reticulum Gp78 E3 ubiquitin ligase. <i>FEBS Letters</i> , 2012 , 586, 2488-93	3.8	18
90	Lipid raft association restricts CD44-ezrin interaction and promotion of breast cancer cell migration. <i>American Journal of Pathology</i> , 2012 , 181, 2172-87	5.8	49
89	Coordinated expression of galectin-3 and caveolin-1 in thyroid cancer. <i>Journal of Pathology</i> , 2012 , 228, 56-66	9.4	24
88	Peripheral endoplasmic reticulum localization of the Gp78 ubiquitin ligase activity. <i>Journal of Cell Science</i> , 2012 , 125, 1727-37	5.3	17
87	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> , 2012 , 287, 32940-52	5.4	69
86	Microvilli 2011 , 213-228		6
85	The Golgi Apparatus 2011 , 133-146		
84	Autocrine motility factor/phosphoglucose isomerase regulates ER stress and cell death through control of ER calcium release. <i>Cell Death and Differentiation</i> , 2011 , 18, 1057-70	12.7	34
83	Caveolin-1 mediates Fas-BID signaling in hyperoxia-induced apoptosis. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 1252-62	7.8	35
82	Glycosylation, galectins and cellular signaling. <i>Current Opinion in Cell Biology</i> , 2011 , 23, 383-92	9	261
81	Neuronal Domains 2011 , 371-390		1
80	Differential impact of caveolae and caveolin-1 scaffolds on the membrane raft proteome. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.007146	7.6	29
79	A role for KAI1 in promotion of cell proliferation and mammary gland hyperplasia by the gp78 ubiquitin ligase. <i>Journal of Biological Chemistry</i> , 2010 , 285, 8830-9	5.4	28
78	Diagnostic utility of galectin-3 in thyroid cancer. <i>American Journal of Pathology</i> , 2010 , 176, 2067-81	5.8	118
77	Lipid rafts, caveolae, and their endocytosis. <i>International Review of Cell and Molecular Biology</i> , 2010 , 282, 135-63	6	255
76	Pseudopodial actin dynamics control epithelial-mesenchymal transition in metastatic cancer cells. <i>Cancer Research</i> , 2010 , 70, 3780-90	10.1	196

75	Screen for chemical modulators of autophagy reveals novel therapeutic inhibitors of mTORC1 signaling. <i>PLoS ONE</i> , 2009 , 4, e7124	3.7	269
74	Lattices, rafts, and scaffolds: domain regulation of receptor signaling at the plasma membrane. <i>Journal of Cell Biology</i> , 2009 , 185, 381-5	7.3	269
73	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> , 2009 , 13, 3218-25	5.6	50
72	Adaptive regulation at the cell surface by N-glycosylation. <i>Traffic</i> , 2009 , 10, 1569-78	5.7	164
71	Metabolism, cell surface organization, and disease. <i>Cell</i> , 2009 , 139, 1229-41	56.2	353
70	The complex biology of autocrine motility factor/phosphoglucose isomerase (AMF/PGI) and its receptor, the gp78/AMFR E3 ubiquitin ligase. <i>Molecular BioSystems</i> , 2009 , 5, 793-801		62
69	Evaluation of type 1 growth factor receptor family expression in benign and malignant thyroid lesions. <i>American Journal of Surgery</i> , 2008 , 195, 667-73; discussion 673	2.7	15
68	Concerted regulation of focal adhesion dynamics by galectin-3 and tyrosine-phosphorylated caveolin-1. <i>Journal of Cell Biology</i> , 2008 , 180, 1261-75	7.3	148
67	Phosphorylated caveolin-1 regulates Rho/ROCK-dependent focal adhesion dynamics and tumor cell migration and invasion. <i>Cancer Research</i> , 2008 , 68, 8210-20	10.1	200
66	Autocrine motility factor receptor: a clinical review. <i>Expert Review of Anticancer Therapy</i> , 2008 , 8, 207-17	3.5	43
65	Localized Rho GTPase activation regulates RNA dynamics and compartmentalization in tumor cell protrusions. <i>Journal of Biological Chemistry</i> , 2008 , 283, 34785-95	5.4	21
64	Caveolin-1 in tumor progression: the good, the bad and the ugly. <i>Cancer and Metastasis Reviews</i> , 2008 , 27, 715-35	9.6	238
63	Raft-dependent endocytosis of autocrine motility factor/phosphoglucose isomerase: a potential drug delivery route for tumor cells. <i>PLoS ONE</i> , 2008 , 3, e3597	3.7	17
62	Regulation of raft-dependent endocytosis. <i>Journal of Cellular and Molecular Medicine</i> , 2007 , 11, 644-53	5.6	214
61	Reversible interactions between smooth domains of the endoplasmic reticulum and mitochondria are regulated by physiological cytosolic Ca ²⁺ levels. <i>Journal of Cell Science</i> , 2007 , 120, 3553-64	5.3	57
60	Raft-dependent endocytosis of autocrine motility factor is phosphatidylinositol 3-kinase-dependent in breast carcinoma cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 29305-13	5.4	40
59	Plasma membrane domain organization regulates EGFR signaling in tumor cells. <i>Journal of Cell Biology</i> , 2007 , 179, 341-56	7.3	202
58	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> , 2006 , 98, 337-51	3.5	24

57	Fluorescence-quenching and resonance energy transfer studies of lipid microdomains in model and biological membranes. <i>Molecular Membrane Biology</i> , 2006 , 23, 5-16	3.4	73
56	Galectin binding to Mgat5-modified N-glycans regulates fibronectin matrix remodeling in tumor cells. <i>Molecular and Cellular Biology</i> , 2006 , 26, 3181-93	4.8	158
55	Interaction of the smooth endoplasmic reticulum and mitochondria. <i>Biochemical Society Transactions</i> , 2006 , 34, 370-3	5.1	45
54	The lipid composition of autophagic vacuoles regulates expression of multilamellar bodies. <i>Journal of Cell Science</i> , 2005 , 118, 1991-2003	5.3	71
53	Tumor cell pseudopodial protrusions. Localized signaling domains coordinating cytoskeleton remodeling, cell adhesion, glycolysis, RNA translocation, and protein translation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 30564-73	5.4	60
52	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> , 2004 , 117, 1421-30	5.3	82
51	Regulation of cytokine receptors by Golgi N-glycan processing and endocytosis. <i>Science</i> , 2004 , 306, 120-4	5.3	573
50	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> , 2004 , 320, 1316-22	3.4	19
49	Caveolae/raft-dependent endocytosis. <i>Journal of Cell Biology</i> , 2003 , 161, 673-7	7.3	595
48	Synaptojanin 2 functions at an early step of clathrin-mediated endocytosis. <i>Current Biology</i> , 2003 , 13, 659-63	6.3	61
47	The enzymatic activity of phosphoglucose isomerase is not required for its cytokine function. <i>FEBS Letters</i> , 2003 , 534, 49-53	3.8	22
46	Distinct caveolae-mediated endocytic pathways target the Golgi apparatus and the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2003 , 116, 1059-71	5.3	169
45	Overexpression of the autocrine motility factor/phosphoglucose isomerase induces transformation and survival of NIH-3T3 fibroblasts. <i>Cancer Research</i> , 2003 , 63, 242-9	10.1	57
44	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> , 2002 , 277, 48342-50	5.4	19
43	Caveolin-1 is a negative regulator of caveolae-mediated endocytosis to the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3371-9	5.4	178
42	Species specificity of the cytokine function of phosphoglucose isomerase. <i>FEBS Letters</i> , 2002 , 525, 151-5	3.8	19
41	A viral phospholipase A2 is required for parvovirus infectivity. <i>Developmental Cell</i> , 2001 , 1, 291-302	10.2	372
40	Expression of the AMF/neuroleukin receptor in developing and adult brain cerebellum. <i>Journal of Neuroscience Research</i> , 2000 , 60, 602-12	4.4	23

39	Calcium regulates the association between mitochondria and a smooth subdomain of the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2000 , 150, 1489-98	7.3	142
38	A novel murine Staufen isoform modulates the RNA content of Staufen complexes. <i>Molecular and Cellular Biology</i> , 2000 , 20, 5592-601	4.8	28
37	Biogenesis of multilamellar bodies via autophagy. <i>Molecular Biology of the Cell</i> , 2000 , 11, 255-68	3.5	133
36	Purification and characterization of beta-actin-rich tumor cell pseudopodia: role of glycolysis. <i>Experimental Cell Research</i> , 2000 , 258, 171-83	4.2	47
35	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> , 2000 , 113, 3227-3240	5.3	23
34	Mammalian staufen is a double-stranded-RNA- and tubulin-binding protein which localizes to the rough endoplasmic reticulum. <i>Molecular and Cellular Biology</i> , 1999 , 19, 2220-30	4.8	208
33	The polarization of the motile cell. <i>Journal of Cell Science</i> , 1999 , 112, 1803-1811	5.3	125
32	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> , 1998 , 9, 1773-86	3.5	97
31	The extent of poly-lactosamine glycosylation of MDCK LAMP-2 is determined by its Golgi residence time. <i>Glycobiology</i> , 1998 , 8, 947-53	5.8	36
30	Inverse relation of autocrine motility factor receptor and E-cadherin expression following MDCK epithelial cell transformation. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 219, 122-7	3.4	17
29	Plasticity in epithelial cell phenotype: modulation by expression of different cadherin cell adhesion molecules. <i>Journal of Cell Biology</i> , 1995 , 129, 507-19	7.3	118
28	Reduced contact-inhibition and substratum adhesion in epithelial cells expressing GlcNAc-transferase V. <i>Journal of Cell Biology</i> , 1995 , 130, 383-92	7.3	221
27	Autocrine motility factor receptor is a marker for a distinct membranous tubular organelle. <i>Journal of Cell Biology</i> , 1995 , 129, 459-71	7.3	42
26	Autocrine motility factor and its receptor: role in cell locomotion and metastasis. <i>Cancer and Metastasis Reviews</i> , 1992 , 11, 5-20	9.6	89
25	An endogenous MDCK lysosomal membrane glycoprotein is targeted basolaterally before delivery to lysosomes. <i>Journal of Cell Biology</i> , 1991 , 115, 1573-84	7.3	110
24	Cell shape modulation alters glycosylation of a metastatic melanoma cell-surface antigen. <i>International Journal of Cancer</i> , 1987 , 40, 396-402	7.5	51
23	Gp78 E3 ubiquitin ligase mediates both basal and damage-induced mitophagy		1
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