

# Ivan Robert Nabi

## List of Publications by Year in descending order

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104  
papers

15,212  
citations

34105

52  
h-index

31849

101  
g-index

147  
all docs

147  
docs citations

147  
times ranked

26630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Caveolae/raft-dependent endocytosis. <i>Journal of Cell Biology</i> , 2003, 161, 673-677.	5.2	673
3	Regulation of Cytokine Receptors by Golgi N-Glycan Processing and Endocytosis. <i>Science</i> , 2004, 306, 120-124.	12.6	641
4	A Viral Phospholipase A2 Is Required for Parvovirus Infectivity. <i>Developmental Cell</i> , 2001, 1, 291-302.	7.0	440
5	Metabolism, Cell Surface Organization, and Disease. <i>Cell</i> , 2009, 139, 1229-1241.	28.9	400
6	Screen for Chemical Modulators of Autophagy Reveals Novel Therapeutic Inhibitors of mTORC1 Signaling. <i>PLoS ONE</i> , 2009, 4, e7124.	2.5	313
7	Lattices, rafts, and scaffolds: domain regulation of receptor signaling at the plasma membrane. <i>Journal of Cell Biology</i> , 2009, 185, 381-385.	5.2	305
8	Glycosylation, galectins and cellular signaling. <i>Current Opinion in Cell Biology</i> , 2011, 23, 383-392.	5.4	304
9	Lipid Rafts, Caveolae, and Their Endocytosis. <i>International Review of Cell and Molecular Biology</i> , 2010, 282, 135-163.	3.2	296
10	Caveolin-1 in tumor progression: the good, the bad and the ugly. <i>Cancer and Metastasis Reviews</i> , 2008, 27, 715-735.	5.9	263
11	The galectin lattice at a glance. <i>Journal of Cell Science</i> , 2015, 128, 2213-2219.	2.0	254
12	Reduced contact-inhibition and substratum adhesion in epithelial cells expressing GlcNAc-transferase V.. <i>Journal of Cell Biology</i> , 1995, 130, 383-392.	5.2	248
13	Regulation of raft-dependent endocytosis. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 644-653.	3.6	243
14	Pseudopodial Actin Dynamics Control Epithelial-Mesenchymal Transition in Metastatic Cancer Cells. <i>Cancer Research</i> , 2010, 70, 3780-3790.	0.9	243
15	Plasma membrane domain organization regulates EGFR signaling in tumor cells. <i>Journal of Cell Biology</i> , 2007, 179, 341-356.	5.2	231
16	Phosphorylated Caveolin-1 Regulates Rho/ROCK-Dependent Focal Adhesion Dynamics and Tumor Cell Migration and Invasion. <i>Cancer Research</i> , 2008, 68, 8210-8220.	0.9	228
17	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, 2220-2230.	2.3	227
18	Caveolin-1 Is a Negative Regulator of Caveolae-mediated Endocytosis to the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2002, 277, 3371-3379.	3.4	205

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19	Adaptive Regulation at the Cell Surface by N-Glycosylation. <i>Traffic</i> , 2009, 10, 1569-1578.	2.7	188
20	Galectin Binding to Mgat5-Modified N-Glycans Regulates Fibronectin Matrix Remodeling in Tumor Cells. <i>Molecular and Cellular Biology</i> , 2006, 26, 3181-3193.	2.3	185
21	Distinct caveolae-mediated endocytic pathways target the Golgi apparatus and the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2003, 116, 1059-1071.	2.0	184
22	Concerted regulation of focal adhesion dynamics by galectin-3 and tyrosine-phosphorylated caveolin-1. <i>Journal of Cell Biology</i> , 2008, 180, 1261-1275.	5.2	171
23	A Review of Super-Resolution Single-Molecule Localization Microscopy Cluster Analysis and Quantification Methods. <i>Patterns</i> , 2020, 1, 100038.	5.9	165
24	Regulation of mitophagy by the Gp78 E3 ubiquitin ligase. <i>Molecular Biology of the Cell</i> , 2013, 24, 1153-1162.	2.1	162
25	Calcium Regulates the Association between Mitochondria and a Smooth Subdomain of the Endoplasmic Reticulum. <i>Journal of Cell Biology</i> , 2000, 150, 1489-1498.	5.2	160
26	Biogenesis of Multilamellar Bodies via Autophagy. <i>Molecular Biology of the Cell</i> , 2000, 11, 255-268.	2.1	157
27	The polarization of the motile cell. <i>Journal of Cell Science</i> , 1999, 112, 1803-1811.	2.0	143
28	Diagnostic Utility of Galectin-3 in Thyroid Cancer. <i>American Journal of Pathology</i> , 2010, 176, 2067-2081.	3.8	137
29	Plasticity in epithelial cell phenotype: modulation by expression of different cadherin cell adhesion molecules.. <i>Journal of Cell Biology</i> , 1995, 129, 507-519.	5.2	126
30	An endogenous MDCK lysosomal membrane glycoprotein is targeted basolaterally before delivery to lysosomes.. <i>Journal of Cell Biology</i> , 1991, 115, 1573-1584.	5.2	117
31	Ä¸ TMPRSS2 inhibitor acts as a pan-SARS-CoV-2 prophylactic and therapeutic. <i>Nature</i> , 2022, 605, 340-348.	27.8	108
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, 1773-1786.	2.1	107
33	Actin Cytoskeleton Regulation of Epithelial Mesenchymal Transition in Metastatic Cancer Cells. <i>PLoS ONE</i> , 2015, 10, e0119954.	2.5	104
34	Autocrine motility factor and its receptor: Role in cell locomotion and metastasis. <i>Cancer and Metastasis Reviews</i> , 1992, 11, 5-20.	5.9	97
35	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.	5.9	97
36	Distinct mechanisms controlling rough and smooth endoplasmic reticulum-mitochondria contacts. <i>Journal of Cell Science</i> , 2015, 128, 2759-65.	2.0	92

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37	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, 1421-1430.	2.0	90
38	The lipid composition of autophagic vacuoles regulates expression of multilamellar bodies. <i>Journal of Cell Science</i> , 2005, 118, 1991-2003.	2.0	86
39	Phosphocaveolin-1 is a mechanotransducer that induces caveola biogenesis via Egr1 transcriptional regulation. <i>Journal of Cell Biology</i> , 2012, 199, 425-435.	5.2	86
40	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, 32940-32952.	3.4	83
41	Fluorescence-quenching and resonance energy transfer studies of lipid microdomains in model and biological membranes (Review). <i>Molecular Membrane Biology</i> , 2006, 23, 5-16.	2.0	79
42	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.	2.9	74
43	Synaptojanin 2 Functions at an Early Step of Clathrin-Mediated Endocytosis. <i>Current Biology</i> , 2003, 13, 659-663.	3.9	67
44	Tumor Cell Pseudopodial Protrusions. <i>Journal of Biological Chemistry</i> , 2005, 280, 30564-30573.	3.4	67
45	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, 233-246.	3.3	67
46	Lipid Raft Association Restricts CD44-Ezrin Interaction and Promotion of Breast Cancer Cell Migration. <i>American Journal of Pathology</i> , 2012, 181, 2172-2187.	3.8	66
47	Caveolae: The FAQs. <i>Traffic</i> , 2020, 21, 181-185.	2.7	65
48	Overexpression of the autocrine motility factor/phosphoglucose isomerase induces transformation and survival of NIH-3T3 fibroblasts. <i>Cancer Research</i> , 2003, 63, 242-9.	0.9	65
49	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> , 2007, 120, 3553-3564.	2.0	64
50	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, 2134-2145.	2.1	60
51	Cell shape modulation alters glycosylation of a metastatic melanoma cell-surface antigen. <i>International Journal of Cancer</i> , 1987, 40, 396-402.	5.1	58
52	Caveolin-1 regulation of dynamin-dependent, raft-mediated endocytosis of cholera toxin B subunit occurs independently of caveolae. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3218-3225.	3.6	57
53	Cavin fever: regulating caveolae. <i>Nature Cell Biology</i> , 2009, 11, 789-791.	10.3	55
54	Autocrine motility factor receptor: a clinical review. <i>Expert Review of Anticancer Therapy</i> , 2008, 8, 207-217.	2.4	51

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55	Purification and Characterization of F-Actin-Rich Tumor Cell Pseudopodia: Role of Glycolysis. <i>Experimental Cell Research</i> , 2000, 258, 171-183.	2.6	50
56	Interaction of the smooth endoplasmic reticulum and mitochondria. <i>Biochemical Society Transactions</i> , 2006, 34, 370-373.	3.4	50
57	Autocrine motility factor receptor is a marker for a distinct membranous tubular organelle.. <i>Journal of Cell Biology</i> , 1995, 129, 459-471.	5.2	44
58	Raft-dependent Endocytosis of Autocrine Motility Factor Is Phosphatidylinositol 3-Kinase-dependent in Breast Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 29305-29313.	3.4	43
59	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, 1057-1070.	11.2	43
60	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.	2.1	41
61	Super Resolution Network Analysis Defines the Molecular Architecture of Caveolae and Caveolin-1 Scaffolds. <i>Scientific Reports</i> , 2018, 8, 9009.	3.3	40
62	The extent of poly(lactosamine) glycosylation of MDCK LAMP-2 is determined by its Golgi residence time. <i>Glycobiology</i> , 1998, 8, 947-953.	2.5	39
63	Caveolin-1 mediates Fas-BID signaling in hyperoxia-induced apoptosis. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1252-1262.	2.9	39
64	Reticulon and CLIMP-63 regulate nanodomain organization of peripheral ER tubules. <i>PLoS Biology</i> , 2019, 17, e3000355.	5.6	39
65	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.	6.5	38
66	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, 3828-3840.	2.1	37
67	Super-resolution modularity analysis shows polyhedral caveolin-1 oligomers combine to form scaffolds and caveolae. <i>Scientific Reports</i> , 2019, 9, 9888.	3.3	37
68	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, 8830-8839.	3.4	34
69	A Novel Murine Staufen Isoform Modulates the RNA Content of Staufen Complexes. <i>Molecular and Cellular Biology</i> , 2000, 20, 5592-5601.	2.3	33
70	Differential Impact of Caveolae and Caveolin-1 Scaffolds on The Membrane Raft Proteome. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.007146.	3.8	33
71	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.	2.5	31
72	Galectin-3 Overrides PTRF/Cavin-1 Reduction of PC3 Prostate Cancer Cell Migration. <i>PLoS ONE</i> , 2015, 10, e0126056.	2.5	30

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73	Tyrosine phosphorylation of tumor cell caveolin-1: impact on cancer progression. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 455-469.	5.9	30
74	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.	2.0	29
75	Coordinated expression of galectin-3 and caveolin-1 in thyroid cancer. <i>Journal of Pathology</i> , 2012, 228, 56-66.	4.5	27
76	The enzymatic activity of phosphoglucose isomerase is not required for its cytokine function. <i>FEBS Letters</i> , 2003, 534, 49-53.	2.8	26
77	RING finger palmitoylation of the endoplasmic reticulum Gp78 E3 ubiquitin ligase. <i>FEBS Letters</i> , 2012, 586, 2488-2493.	2.8	26
78	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, 337-351.	2.0	25
79	Expression of the AMF/neuroleukin receptor in developing and adult brain cerebellum. <i>Journal of Neuroscience Research</i> , 2000, 60, 602-612.	2.9	24
80	Species specificity of the cytokine function of phosphoglucose isomerase. <i>FEBS Letters</i> , 2002, 525, 151-155.	2.8	23
81	Localized Rho GTPase Activation Regulates RNA Dynamics and Compartmentalization in Tumor Cell Protrusions. <i>Journal of Biological Chemistry</i> , 2008, 283, 34785-34795.	3.4	23
82	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, 48342-48350.	3.4	22
83	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, 1316-1322.	2.1	22
84	Peripheral Endoplasmic Reticulum Localization of Gp78 Ubiquitin Ligase Activity. <i>Journal of Cell Science</i> , 2012, 125, 1727-37.	2.0	21
85	Raft endocytosis of autocrine motility factor regulates mitochondrial dynamics via rac1 signaling and the gp78 ubiquitin ligase. <i>Journal of Cell Science</i> , 2013, 126, 3295-304.	2.0	21
86	Super resolution microscopy and deep learning identify Zika virus reorganization of the endoplasmic reticulum. <i>Scientific Reports</i> , 2020, 10, 20937.	3.3	20
87	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, 122-127.	2.1	18
88	Raft-Dependent Endocytosis of Autocrine Motility Factor/Phosphoglucose Isomerase: A Potential Drug Delivery Route for Tumor Cells. <i>PLoS ONE</i> , 2008, 3, e3597.	2.5	18
89	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.	3.4	17
90	Evaluation of type 1 growth factor receptor family expression in benign and malignant thyroid lesions. <i>American Journal of Surgery</i> , 2008, 195, 667-673.	1.8	16

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91	Caveolin-1, galectin-3 and lipid raft domains in cancer cell signalling. Essays in Biochemistry, 2015, 57, 189-201.	4.7	16
92	Caveolae and scaffold detection from single molecule localization microscopy data using deep learning. PLoS ONE, 2019, 14, e0211659.	2.5	13
93	Identification of caveolin-1 domain signatures via machine learning and graphlet analysis of single-molecule super-resolution data. Bioinformatics, 2019, 35, 3468-3475.	4.1	10
94	Galectins as Adaptors: Linking Glycosylation and Metabolism with Extracellular Cues. Trends in Glycoscience and Glycotechnology, 2018, 30, SE167-SE177.	0.1	9
95	Single molecule network analysis identifies structural changes to caveolae and scaffolds due to mutation of the caveolin-1 scaffolding domain. Scientific Reports, 2021, 11, 7810.	3.3	9
96	The Gp78 ubiquitin ligase: probing endoplasmic reticulum complexity. Protoplasma, 2012, 249, 11-18.	2.1	8
97	Caveolin-1 Y14 phosphorylation suppresses tumor growth while promoting invasion. Oncotarget, 2019, 10, 6668-6677.	1.8	8
98	ERGO: Efficient Recurrent Graph Optimized Emitter Density Estimation in Single Molecule Localization Microscopy. IEEE Transactions on Medical Imaging, 2020, 39, 1942-1956.	8.9	7
99	DEEMD: Drug Efficacy Estimation Against SARS-CoV-2 Based on Cell Morphology With Deep Multiple Instance Learning. IEEE Transactions on Medical Imaging, 2022, 41, 3128-3145.	8.9	3
100	Effect of caveolin-1 on Stat3-tyr705 levels in breast and lung carcinoma cells. Biochemistry and Cell Biology, 2019, 97, 638-646.	2.0	2
101	Biographyâ€”Ivan Robert Nabi. Cancer and Metastasis Reviews, 2020, 39, 333-333.	5.9	0
102	Preface. Cancer and Metastasis Reviews, 2020, 39, 335-335.	5.9	0
103	The PhosphoCaveolin1 Scaffolding Domain Dampens Force Fluctuations in Focal Adhesions to Drive Cancer Cell Migration. SSRN Electronic Journal, 0, , .	0.4	0
104	Expression of Gp78/Autocrine Motility Factor Receptor and Endocytosis of Autocrine Motility Factor in Human Thyroid Cancer Cells. Cureus, 2019, 11, e4928.	0.5	0