# Ivan Robert Nabi

List of Publications by Year
in descending order

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| 104 | 15,212 | 34016 52 | 31759 101 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 147 | 147 | 147 | 26630 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Aï»¿ TMPRSS2 inhibitor acts as a pan-SARS-CoV-2 prophylactic and therapeutic. Nature, 2022, 605, 340-348. | 13.7 | 108 |
| 2 | 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. | 5.4 | 3 |
| 3 | 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. | 1.6 | 9 |
| 4 | Caveolae: The FAQs. Traffic, 2020, 21, 181-185. | 1.3 | 65 |
| 5 | Hypoxia Attenuates Trastuzumab Uptake and Trastuzumab-Emtansine (T-DM1) Cytotoxicity through Redistribution of Phosphorylated Caveolin-1. Molecular Cancer Research, 2020, 18, 644-656. | 1.5 | 17 |
| 6 | ERGO: Efficient Recurrent Graph Optimized Emitter Density Estimation in Single Molecule Localization Microscopy. IEEE Transactions on Medical Imaging, 2020, 39, 1942-1956. | 5.4 | 7 |
| 7 | Super resolution microscopy and deep learning identify Zika virus reorganization of the endoplasmic reticulum. Scientific Reports, 2020, 10, 20937. | 1.6 | 20 |
| 8 | A Review of Super-Resolution Single-Molecule Localization Microscopy Cluster Analysis and Quantification Methods. Patterns, 2020, 1, 100038. | 3.1 | 165 |
| 9 | Biographyâ€"Ivan Robert Nabi. Cancer and Metastasis Reviews, 2020, 39, 333-333. | 2.7 | 0 |
| 10 | Preface. Cancer and Metastasis Reviews, 2020, 39, 335-335. | 2.7 | 0 |
| 11 | Tyrosine phosphorylation of tumor cell caveolin-1: impact on cancer progression. Cancer and Metastasis Reviews, 2020, 39, 455-469. | 2.7 | 30 |
| 12 | Super-resolution modularity analysis shows polyhedral caveolin-1 oligomers combine to form scaffolds and caveolae. Scientific Reports, 2019, 9, 9888. | 1.6 | 37 |
| 13 | Caveolae and scaffold detection from single molecule localization microscopy data using deep learning. PLoS ONE, 2019, 14, e0211659. | 1.1 | 13 |
| 14 | Reticulon and CLIMP-63 regulate nanodomain organization of peripheral ER tubules. PLoS Biology, 2019, 17, e3000355. | 2.6 | 39 |
| 15 | Effect of caveolin-1 on Stat3-ptyr705 levels in breast and lung carcinoma cells. Biochemistry and Cell Biology, 2019, 97, 638-646. | 0.9 | 2 |
| 16 | Identification of caveolin-1 domain signatures via machine learning and graphlet analysis of single-molecule super-resolution data. Bioinformatics, 2019, 35, 3468-3475. | 1.8 | 10 |
| 17 | Caveolin-1 Y14 phosphorylation suppresses tumor growth while promoting invasion. Oncotarget, 2019, 10, 6668-6677. | 0.8 | 8 |
| 18 | Expression of Gp78/Autocrine Motility Factor Receptor and Endocytosis of Autocrine Motility Factor in Human Thyroid Cancer Cells. Cureus, 2019, 11, e4928. | 0.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Galectins as Adaptors: Linking Glycosylation and Metabolism with Extracellular Cues. Trends in Glycoscience and Glycotechnology, 2018, 30, SE167-SE177. | 0.0 | 9 |
| 20 | Super Resolution Network Analysis Defines the Molecular Architecture of Caveolae and Caveolin-1 Scaffolds. Scientific Reports, 2018, 8, 9009. | 1.6 | 40 |
| 21 | The phosphoâ€“caveolin-1 scaffolding domain dampens force fluctuations in focal adhesions and promotes cancer cell migration. Molecular Biology of the Cell, 2017, 28, 2190-2201. | 0.9 | 41 |
| 22 | The interactome of metabolic enzyme carbonic anhydrase IX reveals novel roles in tumor cell migration and invadopodia/MMP14-mediated invasion. Oncogene, 2017, 36, 6244-6261. | 2.6 | 97 |
| 23 | 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. PLoS ONE, 2017, 12, e0174483. | 1.1 | 31 |
| 24 | Inter-domain tagging implicates caveolin-1 in insulin receptor trafficking and Erk signaling bias in pancreatic beta-cells. Molecular Metabolism, 2016, 5, 366-378. | 3.0 | 38 |
| 25 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 4.3 | 4,701 |
| 26 | Actin Cytoskeleton Regulation of Epithelial Mesenchymal Transition in Metastatic Cancer Cells. PLoS ONE, 2015, 10, e0119954. | 1.1 | 104 |
| 27 | Galectin-3 Overrides PTRF/Cavin-1 Reduction of PC3 Prostate Cancer Cell Migration. PLoS ONE, 2015, 10, e0126056. | 1.1 | 30 |
| 28 | Distinct mechanisms controlling rough and smooth endoplasmic reticulum-mitochondria contacts. Journal of Cell Science, 2015, 128, 2759-65. | 1.2 | 92 |
| 29 | The galectin lattice at a glance. Journal of Cell Science, 2015, 128, 2213-2219. | 1.2 | 254 |
| 30 | p38 MAP kinaseâ€“dependent phosphorylation of the Gp78 E3 ubiquitin ligase controls ERâ€“mitochondria association and mitochondria motility. Molecular Biology of the Cell, 2015, 26, 3828-3840. | 0.9 | 37 |
| 31 | Caveolin-1, galectin-3 and lipid raft domains in cancer cell signalling. Essays in Biochemistry, 2015, 57, 189-201. | 2.1 | 16 |
| 32 | Influence of cationic lipid composition on uptake and intracellular processing of lipid nanoparticle formulations of siRNA. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 233-246. | 1.7 | 67 |
| 33 | Raft endocytosis of autocrine motility factor regulates mitochondrial dynamics via rac1 signaling and the gp78 ubiquitin ligase. Journal of Cell Science, 2013, 126, 3295-304. | 1.2 | 21 |
| 34 | Regulation of mitophagy by the Gp78 E3 ubiquitin ligase. Molecular Biology of the Cell, 2013, 24, 1153-1162. | 0.9 | 162 |
| 35 | Galectin-3â€“ and phospho-caveolin-1â€“dependent outside-in integrin signaling mediates the EGF motogenic response in mammary cancer cells. Molecular Biology of the Cell, 2013, 24, 2134-2145. | 0.9 | 60 |
| 36 | Peripheral Endoplasmic Reticulum Localization of Gp78 Ubiquitin Ligase Activity. Journal of Cell Science, 2012, 125, 1727-37. | 1.2 | 21 |

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|---|---|---|---|
| 37 | Galectin-3 Protein Regulates Mobility of N-cadherin and GM1 Ganglioside at Cell-Cell Junctions of Mammary Carcinoma Cells. Journal of Biological Chemistry, 2012, 287, 32940-32952. | 1.6 | 83 |
| 38 | Phosphocaveolin-1 is a mechanotransducer that induces caveola biogenesis via Egr1 transcriptional regulation. Journal of Cell Biology, 2012, 199, 425-435. | 2.3 | 86 |
| 39 | RING finger palmitoylation of the endoplasmic reticulum Gp78 E3 ubiquitin ligase. FEBS Letters, 2012, 586, 2488-2493. | 1.3 | 26 |
| 40 | Lipid Raft Association Restricts CD44-Ezrin Interaction and Promotion of Breast Cancer Cell Migration. American Journal of Pathology, 2012, 181, 2172-2187. | 1.9 | 66 |
| 41 | Coordinated expression of galectinâ€3 and caveolinâ€1 in thyroid cancer. Journal of Pathology, 2012, 228, 56-66. | 2.1 | 27 |
| 42 | The Gp78 ubiquitin ligase: probing endoplasmic reticulum complexity. Protoplasma, 2012, 249, 11-18. | 1.0 | 8 |
| 43 | Autocrine motility factor/phosphoglucose isomerase regulates ER stress and cell death through control of ER calcium release. Cell Death and Differentiation, 2011, 18, 1057-1070. | 5.0 | 43 |
| 44 | Caveolin-1 mediates Fasâ€“BID signaling in hyperoxia-induced apoptosis. Free Radical Biology and Medicine, 2011, 50, 1252-1262. | 1.3 | 39 |
| 45 | Glycosylation, galectins and cellular signaling. Current Opinion in Cell Biology, 2011, 23, 383-392. | 2.6 | 304 |
| 46 | Differential Impact of Caveolae and Caveolin-1 Scaffolds on The Membrane Raft Proteome. Molecular and Cellular Proteomics, 2011, 10, M110.007146. | 2.5 | 33 |
| 47 | A Role for KAI1 in Promotion of Cell Proliferation and Mammary Gland Hyperplasia by the gp78 Ubiquitin Ligase. Journal of Biological Chemistry, 2010, 285, 8830-8839. | 1.6 | 34 |
| 48 | Diagnostic Utility of Galectin-3 in Thyroid Cancer. American Journal of Pathology, 2010, 176, 2067-2081. | 1.9 | 137 |
| 49 | Lipid Rafts, Caveolae, and Their Endocytosis. International Review of Cell and Molecular Biology, 2010, 282, 135-163. | 1.6 | 296 |
| 50 | Pseudopodial Actin Dynamics Control Epithelial-Mesenchymal Transition in Metastatic Cancer Cells. Cancer Research, 2010, 70, 3780-3790. | 0.4 | 243 |
| 51 | Screen for Chemical Modulators of Autophagy Reveals Novel Therapeutic Inhibitors of mTORC1 Signaling. PLoS ONE, 2009, 4, e7124. | 1.1 | 313 |
| 52 | Lattices, rafts, and scaffolds: domain regulation of receptor signaling at the plasma membrane. Journal of Cell Biology, 2009, 185, 381-385. | 2.3 | 305 |
| 53 | Caveolinâ€1 regulation of dynaminâ€dependent, raftâ€mediated endocytosis of cholera toxinâ€“B subâ€unit occurs independently of caveolae. Journal of Cellular and Molecular Medicine, 2009, 13, 3218-3225. | 1.6 | 57 |
| 54 | Cavin fever: regulating caveolae. Nature Cell Biology, 2009, 11, 789-791. | 4.6 | 55 |

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| 55 | Adaptive Regulation at the Cell Surface by Nâ€Glycosylation. Traffic, 2009, 10, 1569-1578. | 1.3 | 188 |
| 56 | Metabolism, Cell Surface Organization, and Disease. Cell, 2009, 139, 1229-1241. | 13.5 | 400 |
| 57 | The complex biology of autocrine motility factor/phosphoglucose isomerase (AMF/PGI) and its receptor, the gp78/AMFR E3 ubiquitin ligase. Molecular BioSystems, 2009, 5, 793. | 2.9 | 74 |
| 58 | Caveolin-1 in tumor progression: the good, the bad and the ugly. Cancer and Metastasis Reviews, 2008, 27, 715-735. | 2.7 | 263 |
| 59 | Evaluation of type 1 growth factor receptor family expression in benign and malignant thyroid lesions. American Journal of Surgery, 2008, 195, 667-673. | 0.9 | 16 |
| 60 | Concerted regulation of focal adhesion dynamics by galectin-3 and tyrosine-phosphorylated caveolin-1. Journal of Cell Biology, 2008, 180, 1261-1275. | 2.3 | 171 |
| 61 | Phosphorylated Caveolin-1 Regulates Rho/ROCK-Dependent Focal Adhesion Dynamics and Tumor Cell Migration and Invasion. Cancer Research, 2008, 68, 8210-8220. | 0.4 | 228 |
| 62 | Autocrine motility factor receptor: a clinical review. Expert Review of Anticancer Therapy, 2008, 8, 207-217. | 1.1 | 51 |
| 63 | Localized Rho GTPase Activation Regulates RNA Dynamics and Compartmentalization in Tumor Cell Protrusions. Journal of Biological Chemistry, 2008, 283, 34785-34795. | 1.6 | 23 |
| 64 | Raft-Dependent Endocytosis of Autocrine Motility Factor/Phosphoglucose Isomerase: A Potential Drug Delivery Route for Tumor Cells. PLoS ONE, 2008, 3, e3597. | 1.1 | 18 |
| 65 | Reversible interactions between smooth domains of the endoplasmic reticulum and mitochondria are regulated by physiological cytosolic Ca2+ levels. Journal of Cell Science, 2007, 120, 3553-3564. | 1.2 | 64 |
| 66 | Raft-dependent Endocytosis of Autocrine Motility Factor Is Phosphatidylinositol 3-Kinase-dependent in Breast Carcinoma Cells. Journal of Biological Chemistry, 2007, 282, 29305-29313. | 1.6 | 43 |
| 67 | Plasma membrane domain organization regulates EGFR signaling in tumor cells. Journal of Cell Biology, 2007, 179, 341-356. | 2.3 | 231 |
| 68 | Regulation of raftâ€dependent endocytosis. Journal of Cellular and Molecular Medicine, 2007, 11, 644-653. | 1.6 | 243 |
| 69 | Rho/ROCK-dependent pseudopodial protrusion and cellular blebbing are regulated by p38 MAPK in tumour cells exhibiting autocrine c-Met activation. Biology of the Cell, 2006, 98, 337-351. | 0.7 | 25 |
| 70 | Fluorescence-quenching and resonance energy transfer studies of lipid microdomains in model and biological membranes (Review). Molecular Membrane Biology, 2006, 23, 5-16. | 2.0 | 79 |
| 71 | Galectin Binding to Mgat5-Modified N-Glycans Regulates Fibronectin Matrix Remodeling in Tumor Cells. Molecular and Cellular Biology, 2006, 26, 3181-3193. | 1.1 | 185 |
| 72 | Interaction of the smooth endoplasmic reticulum and mitochondria. Biochemical Society Transactions, 2006, 34, 370-373. | 1.6 | 50 |

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| 73 | The lipid composition of autophagic vacuoles regulates expression of multilamellar bodies. Journal of Cell Science, 2005, 118, 1991-2003. | 1.2 | 86 |
| 74 | Tumor Cell Pseudopodial Protrusions. Journal of Biological Chemistry, 2005, 280, 30564-30573. | 1.6 | 67 |
| 75 | Ganglioside GM1 levels are a determinant of the extent of caveolae/raft-dependent endocytosis of cholera toxin to the Golgi apparatus. Journal of Cell Science, 2004, 117, 1421-1430. | 1.2 | 90 |
| 76 | Regulation of Cytokine Receptors by Golgi N-Glycan Processing and Endocytosis. Science, 2004, 306, 120-124. | 6.0 | 641 |
| 77 | 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. Biochemical and Biophysical Research Communications, 2004, 320, 1316-1322. | 1.0 | 22 |
| 78 | Synaptojanin 2 Functions at an Early Step of Clathrin-Mediated Endocytosis. Current Biology, 2003, 13, 659-663. | 1.8 | 67 |
| 79 | The enzymatic activity of phosphoglucose isomerase is not required for its cytokine function. FEBS Letters, 2003, 534, 49-53. | 1.3 | 26 |
| 80 | Distinct caveolae-mediated endocytic pathways target the Golgi apparatus and the endoplasmic reticulum. Journal of Cell Science, 2003, 116, 1059-1071. | 1.2 | 184 |
| 81 | Caveolae/raft-dependent endocytosis. Journal of Cell Biology, 2003, 161, 673-677. | 2.3 | 673 |
| 82 | Overexpression of the autocrine motility factor/phosphoglucose isomerase induces transformation and survival of NIH-3T3 fibroblasts. Cancer Research, 2003, 63, 242-9. | 0.4 | 65 |
| 83 | Autocrine Activation of the Hepatocyte Growth Factor Receptor/Met Tyrosine Kinase Induces Tumor Cell Motility by Regulating Pseudopodial Protrusion. Journal of Biological Chemistry, 2002, 277, 48342-48350. | 1.6 | 22 |
| 84 | Caveolin-1 Is a Negative Regulator of Caveolae-mediated Endocytosis to the Endoplasmic Reticulum. Journal of Biological Chemistry, 2002, 277, 3371-3379. | 1.6 | 205 |
| 85 | Species specificity of the cytokine function of phosphoglucose isomerase. FEBS Letters, 2002, 525, 151-155. | 1.3 | 23 |
| 86 | A Viral Phospholipase A2 Is Required for Parvovirus Infectivity. Developmental Cell, 2001, 1, 291-302. | 3.1 | 440 |
| 87 | Expression of the AMF/neuroleukin receptor in developing and adult brain cerebellum. Journal of Neuroscience Research, 2000, 60, 602-612. | 1.3 | 24 |
| 88 | Calcium Regulates the Association between Mitochondria and a Smooth Subdomain of the Endoplasmic Reticulum. Journal of Cell Biology, 2000, 150, 1489-1498. | 2.3 | 160 |
| 89 | A Novel Murine Staufen Isoform Modulates the RNA Content of Staufen Complexes. Molecular and Cellular Biology, 2000, 20, 5592-5601. | 1.1 | 33 |
| 90 | Biogenesis of Multilamellar Bodies via Autophagy. Molecular Biology of the Cell, 2000, 11, 255-268. | 0.9 | 157 |

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| 91 | Purification and Characterization of Î²-Actin-Rich Tumor Cell Pseudopodia: Role of Glycolysis. Experimental Cell Research, 2000, 258, 171-183. | 1.2 | 50 |
| 92 | Clathrin-mediated endocytosis and recycling of autocrine motility factor receptor to fibronectin fibrils is a limiting factor for NIH-3T3 cell motility. Journal of Cell Science, 2000, 113, 3227-3240. | 1.2 | 29 |
| 93 | Mammalian Staufen Is a Double-Stranded-RNA- and Tubulin-Binding Protein Which Localizes to the Rough Endoplasmic Reticulum. Molecular and Cellular Biology, 1999, 19, 2220-2230. | 1.1 | 227 |
| 94 | The polarization of the motile cell. Journal of Cell Science, 1999, 112, 1803-1811. | 1.2 | 143 |
| 95 | Localization of Autocrine Motility Factor Receptor to Caveolae and Clathrin-independent Internalization of Its Ligand to Smooth Endoplasmic Reticulum. Molecular Biology of the Cell, 1998, 9, 1773-1786. | 0.9 | 107 |
| 96 | The extent of polylactosamine glycosylation of MDCK LAMP-2 is determined by its Golgi residence time. Glycobiology, 1998, 8, 947-953. | 1.3 | 39 |
| 97 | Inverse Relation of Autocrine Motility Factor Receptor and E-Cadherin Expression following MDCK Epithelial Cell Transformation. Biochemical and Biophysical Research Communications, 1996, 219, 122-127. | 1.0 | 18 |
| 98 | Plasticity in epithelial cell phenotype: modulation by expression of different cadherin cell adhesion molecules.. Journal of Cell Biology, 1995, 129, 507-519. | 2.3 | 126 |
| 99 | Reduced contact-inhibition and substratum adhesion in epithelial cells expressing GlcNAc-transferase V.. Journal of Cell Biology, 1995, 130, 383-392. | 2.3 | 248 |
| 100 | Autocrine motility factor receptor is a marker for a distinct membranous tubular organelle.. Journal of Cell Biology, 1995, 129, 459-471. | 2.3 | 44 |
| 101 | Autocrine motility factor and its receptor: Role in cell locomotion and metastasis. Cancer and Metastasis Reviews, 1992, 11, 5-20. | 2.7 | 97 |
| 102 | An endogenous MDCK lysosomal membrane glycoprotein is targeted basolaterally before delivery to lysosomes.. Journal of Cell Biology, 1991, 115, 1573-1584. | 2.3 | 117 |
| 103 | Cell shape modulation alters glycosylation of a metastatic melanoma cell-surface antigen. International Journal of Cancer, 1987, 40, 396-402. | 2.3 | 58 |
| 104 | The PhosphooCaveolinn1 Scaffolding Domain Dampens Force Fluctuations in Focal Adhesions to Drive Cancer Cell Migration. SSRN Electronic Journal, 0, , . | 0.4 | 0 |