Ritva Tikkanen

List of Publications by Year in Descending Order

64 papers	2,686 citations	27 h-index	51 g-index
72 ext. papers	3,069 ext. citations	6.3 avg, IF	4.84 L-index

#	Paper	IF	Citations
64	Identification of the Cysteine Protease Legumain as a Potential Chronic Hypoxia-Specific Multiple Myeloma Target Gene.. *Cells*, **2022**, 11,	7.9	1
63	Human Desmocollin 3-Specific IgG Antibodies Are Pathogenic in a Humanized HLA Class II Transgenic Mouse Model of Pemphigus. *Journal of Investigative Dermatology*, **2021**,	4.3	3
62	Pre-clinical Gene Therapy with AAV9/AGA in Aspartylglucosaminuria Mice Provides Evidence for Clinical Translation. *Molecular Therapy*, **2021**, 29, 989-1000	11.7	7
61	Succinic Semialdehyde Dehydrogenase Deficiency: An Update. *Cells*, **2020**, 9,	7.9	8
60	Statistical Permutation Test Reveals Progressive and Region-Specific Iron Accumulation in the Thalami of Children with Aspartylglucosaminuria. *Brain Sciences*, **2020**, 10,	3.4	2
59	Succinic Semialdehyde Dehydrogenase Deficiency: In Vitro and In Silico Characterization of a Novel Pathogenic Missense Variant and Analysis of the Mutational Spectrum of. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
58	Detailed profile of cognitive dysfunction in children with aspartylglucosaminuria. *Journal of Inherited Metabolic Disease*, **2020**, 43, 318-325	5.4	5
57	SLPI Inhibits ATP-Mediated Maturation of IL-1β in Human Monocytic Leukocytes: A Novel Function of an Old Player. *Frontiers in Immunology*, **2019**, 10, 664	8.4	8
56	Immortalized Human hTert/KER-CT Keratinocytes a Model System for Research on Desmosomal Adhesion and Pathogenesis of Pemphigus Vulgaris. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3
55	Susceptibility-Weighted Imaging Findings in Aspartylglucosaminuria. *American Journal of Neuroradiology*, **2019**, 40, 1850-1854	4.4	3
54	Flotillins in the intercalated disc are potential modulators of cardiac excitability. *Journal of Molecular and Cellular Cardiology*, **2019**, 126, 86-95	5.8	2
53	Amlexanox provides a potential therapy for nonsense mutations in the lysosomal storage disorder Aspartylglucosaminuria. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 668-675	6.9	20
52	Altered Expression of Ganglioside Metabolizing Enzymes Results in GM3 Ganglioside Accumulation in Cerebellar Cells of a Mouse Model of Juvenile Neuronal Ceroid Lipofuscinosis. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	11
51	Flotillins Regulate Focal Adhesions by Interacting with α-Actinin and by Influencing the Activation of Focal Adhesion Kinase. *Cells*, **2018**, 7,	7.9	13
50	Functional Analysis of the Ser149/Thr149 Variants of Human Aspartylglucosaminidase and Optimization of the Coding Sequence for Protein Production. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	3
49	Identification of Small Molecule Compounds for Pharmacological Chaperone Therapy of Aspartylglucosaminuria. *Scientific Reports*, **2016**, 6, 37583	4.9	29
48	Random Splicing of Several Exons Caused by a Single Base Change in the Target Exon of CRISPR/Cas9 Mediated Gene Knockout. *Cells*, **2016**, 5,	7.9	36

47	Loss of flotillin expression results in weakened desmosomal adhesion and Pemphigus vulgaris-like localisation of desmoglein-3 in human keratinocytes. *Scientific Reports*, **2016**, 6, 28820	4.9	19
46	Cholinergic transactivation of the EGFR in HaCaT keratinocytes stimulates a flotillin-1 dependent MAPK-mediated transcriptional response. *International Journal of Molecular Sciences*, **2015**, 16, 6447-63	6.3	10
45	Revisiting the endocytosis of the m2 muscarinic acetylcholine receptor. *Membranes*, **2015**, 5, 197-213	3.8	3
44	Flotillins bind to the dileucine sorting motif of β-site amyloid precursor protein-cleaving enzyme 1 and influence its endosomal sorting. *FEBS Journal*, **2014**, 281, 2074-87	5.7	21
43	Role of dynamin and clathrin in the cellular trafficking of flotillins. *FEBS Journal*, **2014**, 281, 2956-76	5.7	14
42	Increased activity of mitogen activated protein kinase pathway in flotillin-2 knockout mouse model. *Cellular Signalling*, **2014**, 26, 198-207	4.9	24
41	Flotillin-1 facilitates toll-like receptor 3 signaling in human endothelial cells. *Basic Research in Cardiology*, **2014**, 109, 439	11.8	15
40	Endocytic trafficking of membrane-bound cargo: a flotillin point of view. *Membranes*, **2014**, 4, 356-71	3.8	69
39	Epidermal growth factor receptor transactivation is required for mitogen-activated protein kinase activation by muscarinic acetylcholine receptors in HaCaT keratinocytes. *International Journal of Molecular Sciences*, **2014**, 15, 21433-54	6.3	11
38	Dimerization of the kinase ARAF promotes MAPK pathway activation and cell migration. *Science Signaling*, **2014**, 7, ra73	8.8	40
37	Flotillins in receptor tyrosine kinase signaling and cancer. *Cells*, **2014**, 3, 129-49	7.9	43
36	Phosphatidylinositol 3-Kinase dependent upregulation of the epidermal growth factor receptor upon Flotillin-1 depletion in breast cancer cells. *BMC Cancer*, **2013**, 13, 575	4.8	15
35	Mitogen-Activated Protein (MAP) Kinase Scaffolding Proteins: A Recount. *International Journal of Molecular Sciences*, **2013**, 14, 4854-84	6.3	42
34	Non-neuronal functions of the m2 muscarinic acetylcholine receptor. *Genes*, **2013**, 4, 171-97	4.2	15
33	Flotillins directly interact with β-catenin and regulate epithelial cell-cell adhesion. *PLoS ONE*, **2013**, 8, e84393	3.7	21
32	Transcriptional regulation of flotillins by the extracellularly regulated kinases and retinoid X receptor complexes. *PLoS ONE*, **2012**, 7, e45514	3.7	14
31	Flotillin-1/reggie-2 protein plays dual role in activation of receptor-tyrosine kinase/mitogen-activated protein kinase signaling. *Journal of Biological Chemistry*, **2012**, 287, 7265-78	5.4	80
30	Molecular networks in FGF signaling: flotillin-1 and cbl-associated protein compete for the binding to fibroblast growth factor receptor substrate 2. *PLoS ONE*, **2012**, 7, e29739	3.7	21

29	Functional aspects of membrane association of reggie/flotillin proteins. *Current Protein and Peptide Science*, **2011**, 12, 725-35	2.8	40
28	Hetero-oligomerization of reggie-1/flotillin-2 and reggie-2/flotillin-1 is required for their endocytosis. *Cellular Signalling*, **2009**, 21, 1287-97	4.9	97
27	Cbl-associated protein is tyrosine phosphorylated by c-Abl and c-Src kinases. *BMC Cell Biology*, **2009** , 10, 80		7
26	Identification of structural elements in Nox1 and Nox4 controlling localization and activity. *Antioxidants and Redox Signaling*, **2009**, 11, 1279-87	8.4	112
25	Characterization of CXCL16 and ADAM10 in the normal and transplanted kidney. *Kidney International*, **2008**, 74, 328-38	9.9	39
24	AP-1 and AP-3 mediate sorting of melanosomal and lysosomal membrane proteins into distinct post-Golgi trafficking pathways. *Traffic*, **2008**, 9, 1157-72	5.7	37
23	Polarized transport of Alzheimer amyloid precursor protein is mediated by adaptor protein complex AP1-1B. *Traffic*, **2007**, 8, 285-96	5.7	26
22	Dissecting the molecular function of reggie/flotillin proteins. *European Journal of Cell Biology*, **2007** , 86, 525-32	6.1	131
21	Reggie-1 and reggie-2 localize in non-caveolar rafts in epithelial cells: cellular localization is not dependent on the expression of caveolin proteins. *European Journal of Cell Biology*, **2007**, 86, 345-52	6.1	28
20	Role of EGF-induced tyrosine phosphorylation of reggie-1/flotillin-2 in cell spreading and signaling to the actin cytoskeleton. *Journal of Cell Science*, **2007**, 120, 395-406	5.3	104
19	Translocation of endothelial nitric-oxide synthase involves a ternary complex with caveolin-1 and NOSTRIN. *Molecular Biology of the Cell*, **2006**, 17, 3870-80	3.5	63
18	Targeting of transmembrane protein shrew-1 to adherens junctions is controlled by cytoplasmic sorting motifs. *Molecular Biology of the Cell*, **2006**, 17, 3397-408	3.5	19
17	Regulation of ubiquitin-binding proteins by monoubiquitination. *Nature Cell Biology*, **2006**, 8, 163-9	23.4	254
16	Oncogenic breakdowns in endocytic adaptor proteins. *FEBS Letters*, **2005**, 579, 3231-8	3.8	17
15	A polycystin multiprotein complex constitutes a cholesterol-containing signalling microdomain in human kidney epithelia. *Biochemical Journal*, **2005**, 392, 29-38	3.8	49
14	Membrane and raft association of reggie-1/flotillin-2: role of myristoylation, palmitoylation and oligomerization and induction of filopodia by overexpression. *Biochemical Journal*, **2004**, 378, 509-18	3.8	197
13	Asymmetric localization of flotillins/reggies in preassembled platforms confers inherent polarity to hematopoietic cells. *Proceedings of the National Academy of Sciences of the United States of America* , **2003**, 100, 8241-6	11.5	113
12	Cytosolic and nuclear aggregation of the amyloid beta-peptide following its expression in the endoplasmic reticulum. *Histochemistry and Cell Biology*, **2002**, 118, 353-60	2.4	61

11	AP-4 binds basolateral signals and participates in basolateral sorting in epithelial MDCK cells. *Nature Cell Biology*, **2002**, 4, 154-9	23.4	180
10	The receptor-bound N-terminal ectodomain of the amyloid precursor protein is associated with membrane rafts. *Biological Chemistry*, **2002**, 383, 1855-64	4.5	8
9	The dileucine motif within the tail of MPR46 is required for sorting of the receptor in endosomes. *Traffic*, **2000**, 1, 631-40	5.7	44
8	The R-SNARE endobrevin/VAMP-8 mediates homotypic fusion of early endosomes and late endosomes. *Molecular Biology of the Cell*, **2000**, 11, 3289-98	3.5	129
7	Activation and oligomerization of aspartylglucosaminidase. *Journal of Biological Chemistry*, **1998**, 273, 25320-8	5.4	36
6	Large-scale purification and preliminary x-ray diffraction studies of human aspartylglucosaminidase. *Proteins: Structure, Function and Bioinformatics*, **1996**, 24, 253-8	4.2	9
5	Ser72Pro active-site disease mutation in human lysosomal aspartylglucosaminidase: abnormal intracellular processing and evidence for extracellular activation. *Human Molecular Genetics*, **1996**, 5, 737-43	5.6	21
4	Primary folding of aspartylglucosaminidase. Significance of disulfide bridges and evidence of early multimerization. *Journal of Biological Chemistry*, **1996**, 271, 21340-4	5.4	25
3	Three-dimensional structure of human lysosomal aspartylglucosaminidase. *Nature Structural and Molecular Biology*, **1995**, 2, 1102-8	17.6	143
2	Intracellular sorting of aspartylglucosaminidase: the role of N-linked oligosaccharides and evidence of Man-6-P-independent lysosomal targeting. *DNA and Cell Biology*, **1995**, 14, 305-12	3.6	33
1	Immediate interaction between the nascent subunits and two conserved amino acids Trp34 and Thr206 are needed for the catalytic activity of aspartylglucosaminidase. *Journal of Biological Chemistry*, **1995**, 270, 4903-7	5.4	20