Ritva Tikkanen

List of Publications by Year
in descending order

69	3,322	186265 28	149698 56
papers	citations	h-index	g-index

72	72	72	4037
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regulation of ubiquitin-binding proteins by monoubiquitination. Nature Cell Biology, 2006, 8, 163-169.	10.3	279
2	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, 509-518.	3.7	227
3	AP-4 binds basolateral signals and participates in basolateral sorting in epithelial MDCK cells. Nature Cell Biology, 2002, 4, 154-159.	10.3	206
4	Three-dimensional structure of human lysosomal aspartylglucosaminidase. Nature Structural and Molecular Biology, 1995, 2, 1102-1108.	8.2	169
5	Dissecting the molecular function of reggie/flotillin proteins. European Journal of Cell Biology, 2007, 86, 525-532.	3.6	150
6	The R-SNARE Endobrevin/VAMP-8 Mediates Homotypic Fusion of Early Endosomes and Late Endosomes. Molecular Biology of the Cell, 2000, 11, 3289-3298.	2.1	145
7	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, 8241-8246.	7.1	131
8	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.	2.0	129
9	Identification of Structural Elements in Nox1 and Nox4 Controlling Localization and Activity. Antioxidants and Redox Signaling, 2009, 11, 1279-1287.	5.4	129
10	Hetero-oligomerization of reggie-1/flotillin-2 and reggie-2/flotillin-1 is required for their endocytosis. Cellular Signalling, 2009, 21, 1287-1297.	3.6	123
11	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, 7265-7278.	3.4	114
12	Endocytic Trafficking of Membrane-Bound Cargo: A Flotillin Point of View. Membranes, 2014, 4, 356-371.	3.0	98
13	Translocation of Endothelial Nitric-Oxide Synthase Involves a Ternary Complex with Caveolin-1 and NOSTRIN. Molecular Biology of the Cell, 2006, 17, 3870-3880.	2.1	70
14	Cytosolic and nuclear aggregation of the amyloid ?-peptide following its expression in the endoplasmic reticulum. Histochemistry and Cell Biology, 2002, 118, 353-360.	1.7	66
15	Mitogen-Activated Protein (MAP) Kinase Scaffolding Proteins: A Recount. International Journal of Molecular Sciences, 2013, 14, 4854-4884.	4.1	66
16	Flotillins in Receptor Tyrosine Kinase Signaling and Cancer. Cells, 2014, 3, 129-149.	4.1	63
17	Random Splicing of Several Exons Caused by a Single Base Change in the Target Exon of CRISPR/Cas9 Mediated Gene Knockout. Cells, 2016, 5, 45.	4.1	57
18	A polycystin multiprotein complex constitutes a cholesterol-containing signalling microdomain in human kidney epithelia. Biochemical Journal, 2005, 392, 29-38.	3.7	54

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19	Dimerization of the kinase ARAF promotes MAPK pathway activation and cell migration. Science Signaling, 2014, 7, ra73.	3.6	52
20	Characterization of CXCL16 and ADAM10 in the normal and transplanted kidney. Kidney International, 2008, 74, 328-338.	5.2	51
21	The Dileucine Motif Within the Tail of MPR46 is Required for Sorting of the Receptor in Endosomes. Traffic, 2000, 1, 631-640.	2.7	49
22	Functional Aspects of Membrane Association of Reggie/Flotillin Proteins. Current Protein and Peptide Science, 2011, 12, 725-735.	1.4	45
23	APâ€1 and APâ€3 Mediate Sorting of Melanosomal and Lysosomal Membrane Proteins into Distinct Postâ€Golgi Trafficking Pathways. Traffic, 2008, 9, 1157-1172.	2.7	41
24	Activation and Oligomerization of Aspartylglucosaminidase. Journal of Biological Chemistry, 1998, 273, 25320-25328.	3.4	40
25	Intracellular Sorting of Aspartylglucosaminidase: The Role ofN-Linked Oligosaccharides and Evidence of Man-6-P-Independent Lysosomal Targeting. DNA and Cell Biology, 1995, 14, 305-312.	1.9	39
26	Identification of Small Molecule Compounds for Pharmacological Chaperone Therapy of Aspartylglucosaminuria. Scientific Reports, 2016, 6, 37583.	3.3	38
27	Primary Folding of Aspartylglucosaminidase. Journal of Biological Chemistry, 1996, 271, 21340-21344.	3.4	33
28	Flotillins Directly Interact with Î³-Catenin and Regulate Epithelial Cell-Cell Adhesion. PLoS ONE, 2013, 8, e84393.	2.5	32
29	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.	3.3	32
30	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, 345-352.	3.6	29
31	Increased activity of mitogen activated protein kinase pathway in flotillin-2 knockout mouse model. Cellular Signalling, 2014, 26, 198-207.	3.6	29
32	Polarized Transport of Alzheimer Amyloid Precursor Protein Is Mediated by Adaptor Protein Complex AP1-1B. Traffic, 2007, 8, 285-296.	2.7	27
33	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.	3.8	27
34	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, 4903-4907.	3.4	26
35	Flotillins bind to the dileucine sorting motif of Î²â€site amyloid precursor proteinâ€cleaving enzyme 1 and influence its endosomal sorting. FEBS Journal, 2014, 281, 2074-2087.	4.7	26
36	Ser72Pro active-site disease mutation in human lysosomal aspartylglucosaminidase: abnormal intracellular processing and evidence for extracellular activation. Human Molecular Genetics, 1996, 5, 737-743.	2.9	25

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37	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.	2.5	25
38	Succinic Semialdehyde Dehydrogenase Deficiency: An Update. Cells, 2020, 9, 477.	4.1	24
39	Non-Neuronal Functions of the M2 Muscarinic Acetylcholine Receptor. Genes, 2013, 4, 171-197.	2.4	23
40	Role of dynamin and clathrin in the cellular trafficking of flotillins. FEBS Journal, 2014, 281, 2956-2976.	4.7	22
41	SLPI Inhibits ATP-Mediated Maturation of IL-1Î² in Human Monocytic Leukocytes: A Novel Function of an Old Player. Frontiers in Immunology, 2019, 10, 664.	4.8	20
42	Oncogenic breakdowns in endocytic adaptor proteins. FEBS Letters, 2005, 579, 3231-3238.	2.8	19
43	Targeting of Transmembrane Protein Shrew-1 to Adherens Junctions Is Controlled by Cytoplasmic Sorting Motifs. Molecular Biology of the Cell, 2006, 17, 3397-3408.	2.1	19
44	Flotillin-1 facilitates toll-like receptor 3 signaling in human endothelial cells. Basic Research in Cardiology, 2014, 109, 439.	5.9	19
45	Phosphatidylinositol 3-Kinase dependent upregulation of the epidermal growth factor receptor upon Flotillin-1 depletion in breast cancer cells. BMC Cancer, 2013, 13, 575.	2.6	18
46	Transcriptional Regulation of Flotillins by the Extracellularly Regulated Kinases and Retinoid X Receptor Complexes. PLoS ONE, 2012, 7, e45514.	2.5	17
47	Flotillins Regulate Focal Adhesions by Interacting with Î±-Actinin and by Influencing the Activation of Focal Adhesion Kinase. Cells, 2018, 7, 28.	4.1	16
48	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, 21433-21454.	4.1	15
49	Pre-clinical Gene Therapy with AAV9/AGA in Aspartylglucosaminuria Mice Provides Evidence for Clinical Translation. Molecular Therapy, 2021, 29, 989-1000.	8.2	15
50	Human Desmocollin 3â€'Specific IgG Antibodies Are Pathogenic in a Humanized HLA Class II Transgenic Mouse Model of Pemphigus. Journal of Investigative Dermatology, 2022, 142, 915-923.e3.	0.7	15
51	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, 625.	4.1	12
52	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, 3113.	4.1	12
53	Stabilization of Keratinocyte Monolayer Integrity in the Presence of Anti-Desmoglein-3 Antibodies through FcRn Blockade with Efgartigimod: Novel Treatment Paradigm for Pemphigus?. Cells, 2022, 11, 942.	4.1	11
54	Large-scale purification and preliminary X-ray diffraction studies of human aspartylglucosaminidase. , 1996, 24, 253-258.		10

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55	Cholinergic Transactivation of the EGFR in HaCaT Keratinocytes Stimulates a Flotillin-1 Dependent MAPK-Mediated Transcriptional Response. International Journal of Molecular Sciences, 2015, 16, 6447-6463.	4.1	10
56	The Receptor-Bound N-Terminal Ectodomain of the Amyloid Precursor Protein Is Associated with Membrane Rafts. Biological Chemistry, 2002, 383, 1855-64.	2.5	9
57	Cbl-associated protein is tyrosine phosphorylated by c-Abl and c-Src kinases. BMC Cell Biology, 2009, 10, 80.	3.0	9
58	Mitogen-Activated Protein Kinases: Functions in Signal Transduction and Human Diseases. International Journal of Molecular Sciences, 2019, 20, 4844.	4.1	9
59	Susceptibility-Weighted Imaging Findings in Aspartylglucosaminuria. American Journal of Neuroradiology, 2019, 40, 1850-1854.	2.4	7
60	Detailed profile of cognitive dysfunction in children with aspartylglucosaminuria. Journal of Inherited Metabolic Disease, 2020, 43, 318-325.	3.6	7
61	Statistical Permutation Test Reveals Progressive and Region-Specific Iron Accumulation in the Thalami of Children with Aspartylglucosaminuria. Brain Sciences, 2020, 10, 677.	2.3	5
62	Succinic Semialdehyde Dehydrogenase Deficiency: In Vitro and In Silico Characterization of a Novel Pathogenic Missense Variant and Analysis of the Mutational Spectrum of ALDH5A1. International Journal of Molecular Sciences, 2020, 21, 8578.	4.1	5
63	Knockout of the CMPâ€“Sialic Acid Transporter SLC35A1 in Human Cell Lines Increases Transduction Efficiency of Adeno-Associated Virus 9: Implications for Gene Therapy Potency Assays. Cells, 2021, 10, 1259.	4.1	5
64	Towards Splicing Therapy for Lysosomal Storage Disorders: Methylxanthines and Luteolin Ameliorate Splicing Defects in Aspartylglucosaminuria and Classic Late Infantile Neuronal Ceroid Lipofuscinosis. Cells, 2021, 10, 2813.	4.1	5
65	Identification of the Cysteine Protease Legumain as a Potential Chronic Hypoxia-Specific Multiple Myeloma Target Gene. Cells, 2022, 11, 292.	4.1	4
66	Revisiting the Endocytosis of the M2 Muscarinic Acetylcholine Receptor. Membranes, 2015, 5, 197-213.	3.0	3
67	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, 706.	4.1	3
68	Flotillins in the intercalated disc are potential modulators of cardiac excitability. Journal of Molecular and Cellular Cardiology, 2019, 126, 86-95.	1.9	3
69	A Journey towards Understanding the Molecular Pathology and Developing Therapies for Lysosomal Storage Disorders. Cells, 2022, 11, 36.	4.1	0