

Kenji Uchimura

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8621673/kenji-uchimura-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

3,430

citations

32

h-index

57

g-index

92

ext. papers

3,856

ext. citations

5.3

avg, IF

4.76

L-index

#	Paper	IF	Citations
88	Beta3Gn-T7 Is a Keratan Sulfate 1,3 -Acetylglucosaminyltransferase in the Adult Brain.. <i>Frontiers in Neuroanatomy</i> , 2022 , 16, 813841	3.6	1
87	Extracellular endosulfatase Sulf-2 harbors a chondroitin/dermatan sulfate chain that modulates its enzyme activity.. <i>Cell Reports</i> , 2022 , 38, 110516	10.6	1
86	Effect of hydrophobic moment on membrane interaction and cell penetration of apolipoprotein E-derived arginine-rich amphipathic helical peptides.. <i>Scientific Reports</i> , 2022 , 12, 4959	4.9	2
85	Contribution of Sulfated Glycosaminoglycans to the Pathology of Amyloidosis. <i>Trends in Glycoscience and Glycotechnology</i> , 2021 , 33, E141-E145	0.1	
84	Contribution of Sulfated Glycosaminoglycans to the Pathology of Amyloidosis. <i>Trends in Glycoscience and Glycotechnology</i> , 2021 , 33, J141-J145	0.1	
83	Thrombospondin type 1 repeat-derived C-mannosylated peptide attenuates synaptogenesis of cortical neurons induced by primary astrocytes via TGF- β <i>Glycoconjugate Journal</i> , 2021 , 1	3	2
82	Cell-to-cell transmission of p53 aggregates: a novel player in oncology?. <i>Molecular and Cellular Oncology</i> , 2021 , 8, 1892444	1.2	2
81	A Shift in Tissue Stiffness During Hippocampal Maturation Correlates to the Pattern of Neurogenesis and Composition of the Extracellular Matrix. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 709620	5.3	2
80	Apical Membrane Expression of Distinct Sulfated Glycans Is a Characteristic Feature of Ductules and Their Reactive and Neoplastic Counterparts. <i>Journal of Histochemistry and Cytochemistry</i> , 2021 , 69, 555-573	3.4	3
79	Simultaneous targeting of primary tumor, draining lymph node, and distant metastases through high endothelial venule-targeted delivery. <i>Nano Today</i> , 2021 , 36,	17.9	9
78	Enhancement of direct membrane penetration of arginine-rich peptides by polyproline II helix structure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183403	3.8	4
77	Phenotypic and molecular description of an individual with a disruptive variant in the SULF2 gene. <i>Clinical Dysmorphology</i> , 2020 , 29, 144-147	0.9	
76	Sulfated glycosaminoglycans mediate prion-like behavior of p53 aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 33225-33234	11.5	6
75	Glycosylation changes in inflammatory diseases. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020 , 119, 111-156	5.3	13
74	Glycan sulfation patterns define autophagy flux at axon tip via PTPREcortactin axis. <i>Nature Chemical Biology</i> , 2019 , 15, 699-709	11.7	42
73	GlcNAc6ST3 is a keratan sulfate sulfotransferase for the protein-tyrosine phosphatase PTPRZ in the adult brain. <i>Scientific Reports</i> , 2019 , 9, 4387	4.9	10
72	A novel amphipathic cell-penetrating peptide based on the N-terminal glycosaminoglycan binding region of human apolipoprotein E. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019 , 1861, 541-549	3.8	8

71	The Accumulation of Heparan Sulfate S-Domains in Kidney Transthyretin Deposits Accelerates Fibril Formation and Promotes Cytotoxicity. <i>American Journal of Pathology</i> , 2019 , 189, 308-319	5.8	2
70	Role of MAdCAM-1-Expressing High Endothelial Venule-Like Vessels in Colitis Induced in Mice Lacking Sulfotransferases Catalyzing L-Selectin Ligand Biosynthesis. <i>Journal of Histochemistry and Cytochemistry</i> , 2018 , 66, 415-425	3.4	4
69	Targeted delivery of immune therapeutics to lymph nodes prolongs cardiac allograft survival. <i>Journal of Clinical Investigation</i> , 2018 , 128, 4770-4786	15.9	38
68	Growth Factor Midkine Promotes T-Cell Activation through Nuclear Factor of Activated T Cells Signaling and Th1 Cell Differentiation in Lupus Nephritis. <i>American Journal of Pathology</i> , 2017 , 187, 740-751	5.8	14
67	Sulfated glycosaminoglycans in protein aggregation diseases. <i>Glycoconjugate Journal</i> , 2017 , 34, 453-466	3	17
66	Sulfatase 2 Modulates Fate Change from Motor Neurons to Oligodendrocyte Precursor Cells through Coordinated Regulation of Shh Signaling with Sulfatase 1. <i>Developmental Neuroscience</i> , 2017 , 39, 361-374	2.2	9
65	GlcNAc6ST-1 regulates sulfation of N-glycans and myelination in the peripheral nervous system. <i>Scientific Reports</i> , 2017 , 7, 42257	4.9	8
64	Deficiency of a sulfotransferase for sialic acid-modified glycans mitigates Alzheimer's pathology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2947-E2954	11.5	32
63	Correction of spherical aberration in multi-focal multiphoton microscopy with spatial light modulator. <i>Optics Express</i> , 2017 , 25, 7055-7068	3.3	9
62	Iowa Mutant Apolipoprotein A-I (ApoA-IIowa) Fibrils Target Lysosomes. <i>Scientific Reports</i> , 2016 , 6, 30391	4.9	8
61	Apical membrane expression of distinct sulfated glycans represents a novel marker of cholangiolocellular carcinoma. <i>Laboratory Investigation</i> , 2016 , 96, 1246-1255	5.9	11
60	Keratan Sulfate Regulates the Switch from Motor Neuron to Oligodendrocyte Generation During Development of the Mouse Spinal Cord. <i>Neurochemical Research</i> , 2016 , 41, 450-62	4.6	15
59	The polyphenol (-)-epigallocatechin-3-gallate prevents apoA-IIowa amyloidosis in vitro and protects human embryonic kidney 293 cells against amyloid cytotoxicity. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2016 , 23, 17-25	2.7	6
58	Reduced molecular size and altered disaccharide composition of cerebral chondroitin sulfate upon Alzheimer's pathogenesis in mice. <i>Nagoya Journal of Medical Science</i> , 2016 , 78, 293-301	0.7	7
57	Enzymatic remodeling of heparan sulfate: a therapeutic strategy for systemic and localized amyloidoses?. <i>Neural Regeneration Research</i> , 2016 , 11, 408-9	4.5	7
56	Enthalpy-driven interactions with sulfated glycosaminoglycans promote cell membrane penetration of arginine peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 1339-49	3.8	11
55	Cellular interaction and cytotoxicity of the iowa mutation of apolipoprotein A-I (ApoA-IIowa) amyloid mediated by sulfate moieties of heparan sulfate. <i>Journal of Biological Chemistry</i> , 2015 , 290, 24210-21	5.4	21
54	Microglial keratan sulfate epitope elicits in central nervous tissues of transgenic model mice and patients with amyotrophic lateral sclerosis. <i>American Journal of Pathology</i> , 2015 , 185, 3053-65	5.8	24

53	Requirement of keratan sulfate proteoglycan phosphacan with a specific sulfation pattern for critical period plasticity in the visual cortex. <i>Experimental Neurology</i> , 2015 , 274, 145-55	5.7	21
52	Arginine-Glycosaminoglycan Interaction Regulates Penetration Efficiency of Arginine-Rich Cell-Penetrating Peptides in Biological Membrane. <i>Biophysical Journal</i> , 2015 , 108, 82a	2.9	2
51	Time-dependent localization of high- and low-sulfated keratan sulfates in the song nuclei of developing zebra finches. <i>European Journal of Neuroscience</i> , 2015 , 42, 2716-25	3.5	4
50	Keratan sulfate: biosynthesis, structures, and biological functions. <i>Methods in Molecular Biology</i> , 2015 , 1229, 389-400	1.4	31
49	The Sulfs: expression, purification, and substrate specificity. <i>Methods in Molecular Biology</i> , 2015 , 1229, 401-12	1.4	3
48	KSGal6ST is essential for the 6-sulfation of galactose within keratan sulfate in early postnatal brain. <i>Journal of Histochemistry and Cytochemistry</i> , 2014 , 62, 145-56	3.4	24
47	Carbohydrate (N-Acetylglucosamine-6-O) Sulfotransferase 2 (CHST2) 2014 , 997-1004		
46	Minocycline selectively inhibits M1 polarization of microglia. <i>Cell Death and Disease</i> , 2013 , 4, e525	9.8	432
45	KSGal6ST generates galactose-6-O-sulfate in high endothelial venules but does not contribute to L-selectin-dependent lymphocyte homing. <i>Glycobiology</i> , 2013 , 23, 381-94	5.8	29
44	Galactose 6-O-sulfotransferases are not required for the generation of Siglec-F ligands in leukocytes or lung tissue. <i>Journal of Biological Chemistry</i> , 2013 , 288, 26533-45	5.4	35
43	Ablation of keratan sulfate accelerates early phase pathogenesis of ALS. <i>PLoS ONE</i> , 2013 , 8, e66969	3.7	37
42	Heparan sulfate subdomains that are degraded by Sulf accumulate in cerebral amyloid plaques of Alzheimer's disease: evidence from mouse models and patients. <i>American Journal of Pathology</i> , 2012 , 180, 2056-67	5.8	31
41	Expression of long-form N-acetylglucosamine-6-O-sulfotransferase 1 in human high endothelial venules. <i>Journal of Histochemistry and Cytochemistry</i> , 2012 , 60, 397-407	3.4	10
40	RB4CD12 epitope expression and heparan sulfate disaccharide composition in brain vasculature. <i>Journal of Neuroscience Research</i> , 2011 , 89, 1840-8	4.4	7
39	Lipoprotein lipase is a novel amyloid beta (Aβ)-binding protein that promotes glycosaminoglycan-dependent cellular uptake of Aβ in astrocytes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 6393-401	5.4	49
38	Use of a phage display antibody to measure the enzymatic activity of the Sulfs. <i>Methods in Enzymology</i> , 2010 , 480, 51-64	1.7	7
37	Direct detection of HSulf-1 and HSulf-2 activities on extracellular heparan sulfate and their inhibition by PI-88. <i>Glycobiology</i> , 2010 , 20, 175-86	5.8	66
36	N-acetylglucosamine-6-O-sulfotransferases 2008 , 83-86		

35 Sulfotransferases **2008**, 386-388

34	Interaction of the selectin ligand PSGL-1 with chemokines CCL21 and CCL19 facilitates efficient homing of T cells to secondary lymphoid organs. <i>Nature Immunology</i> , 2007 , 8, 532-9	19.1	93
33	Measuring the activities of the Sulfos: two novel heparin/heparan sulfate endosulfatases. <i>Methods in Enzymology</i> , 2006 , 416, 243-53	1.7	23
32	Determination of substrate specificity of sulfotransferases and glycosyltransferases (proteoglycans). <i>Methods in Enzymology</i> , 2006 , 416, 225-43	1.7	10
31	N-Acetylglucosamine 6-O-sulfotransferase-1 is required for brain keratan sulfate biosynthesis and glial scar formation after brain injury. <i>Glycobiology</i> , 2006 , 16, 702-10	5.8	61
30	Sulfated L-selectin ligands as a therapeutic target in chronic inflammation. <i>Trends in Immunology</i> , 2006 , 27, 559-65	14.4	84
29	HSulf-2, an extracellular endoglucosamine-6-sulfatase, selectively mobilizes heparin-bound growth factors and chemokines: effects on VEGF, FGF-1, and SDF-1. <i>BMC Biochemistry</i> , 2006 , 7, 2	4.8	171
28	Brain keratan sulfate and glial scar formation. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1086, 81-90	6.5	42
27	Sulf-2, a proangiogenic heparan sulfate endosulfatase, is upregulated in breast cancer. <i>Neoplasia</i> , 2005 , 7, 1001-10	6.4	118
26	A major class of L-selectin ligands is eliminated in mice deficient in two sulfotransferases expressed in high endothelial venules. <i>Nature Immunology</i> , 2005 , 6, 1105-13	19.1	148
25	N-acetylglucosamine-6-O-sulfotransferases 1 and 2 cooperatively control lymphocyte homing through L-selectin ligand biosynthesis in high endothelial venules. <i>Nature Immunology</i> , 2005 , 6, 1096-104	19.1	146
24	Compositional profiling of heparin/heparan sulfate using mass spectrometry: assay for specificity of a novel extracellular human endosulfatase. <i>Glycobiology</i> , 2005 , 15, 818-26	5.8	85
23	Development of structural analysis of sulfated N-glycans by multidimensional high performance liquid chromatography mapping methods. <i>Glycobiology</i> , 2005 , 15, 1051-60	5.8	57
22	N-acetylglucosamine 6-O-sulfotransferase-1 regulates expression of L-selectin ligands and lymphocyte homing. <i>Journal of Biological Chemistry</i> , 2004 , 279, 35001-8	5.4	60
21	N-acetylglucosamine-6-O-sulfotransferase-1: production in the baculovirus system and its applications to the synthesis of a sulfated oligosaccharide and to the modification of oligosaccharides in fibrinogen. <i>Journal of Biochemistry</i> , 2003 , 133, 287-93	3.1	4
20	Novel Extracellular Sulfatases: Potential Roles in Cancer.. <i>Trends in Glycoscience and Glycotechnology</i> , 2003 , 15, 159-164	0.1	13
19	Distinct sulfation requirements of selectins disclosed using cells that support rolling mediated by all three selectins under shear flow. L-selectin prefers carbohydrate 6-sulfation to tyrosine sulfation, whereas p-selectin does not. <i>Journal of Biological Chemistry</i> , 2002 , 277, 32578-86	5.4	43
18	Cloning and characterization of two extracellular heparin-degrading endosulfatases in mice and humans. <i>Journal of Biological Chemistry</i> , 2002 , 277, 49175-85	5.4	320

17	Specificities of N-acetylglucosamine-6-O-sulfotransferases in relation to L-selectin ligand synthesis and tumor-associated enzyme expression. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3979-84	5.4	47
16	Functional analysis of the chondroitin 6-sulfotransferase gene in relation to lymphocyte subpopulations, brain development, and oversulfated chondroitin sulfates. <i>Journal of Biological Chemistry</i> , 2002 , 277, 1443-50	5.4	58
15	Midkine expression is associated with postnatal development of the lungs. <i>Cell Structure and Function</i> , 2002 , 27, 109-15	2.2	9
14	N-Acetylglucosamine 6-O-Sulfotransferase 2002 , 429-433		
13	A novel human Gal-3-O-sulfotransferase: molecular cloning, characterization, and its implications in biosynthesis of (SO(4)-3)Galbeta1-4(Fucalpha1-3)GlcNAc. <i>Journal of Biological Chemistry</i> , 2001 , 276, 26988-94	5.4	22
12	Diversity of N-acetylglucosamine-6-O-sulfotransferases: molecular cloning of a novel enzyme with different distribution and specificities. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 274, 291-6	3.4	35
11	Spatially and temporally regulated expression of N-acetylglucosamine-6-O-sulfotransferase during mouse embryogenesis. <i>Glycobiology</i> , 1999 , 9, 947-55	5.8	17
10	Reconstitution of functional L-selectin ligands on a cultured human endothelial cell line by cotransfection of alpha1-->3 fucosyltransferase VII and newly cloned GlcNAcbeta:6-sulfotransferase cDNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 4538-5	11.5	120
9	Porcine alpha-1,3-galactosyltransferase: full length cDNA cloning, genomic organization, and analysis of splicing variants. <i>Glycoconjugate Journal</i> , 1998 , 15, 583-9	3	15
8	Molecular cloning and expression of human chondroitin 6-sulfotransferase. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998 , 1399, 57-61		68
7	Embigin/basigin subgroup of the immunoglobulin superfamily: different modes of expression during mouse embryogenesis and correlated expression with carbohydrate antigenic markers. <i>Development Growth and Differentiation</i> , 1998 , 40, 277-86	3	32
6	Molecular cloning and characterization of an N-acetylglucosamine-6-O-sulfotransferase. <i>Journal of Biological Chemistry</i> , 1998 , 273, 22577-83	5.4	126
5	Human N-acetylglucosamine-6-O-sulfotransferase involved in the biosynthesis of 6-sulfo sialyl Lewis X: molecular cloning, chromosomal mapping, and expression in various organs and tumor cells. <i>Journal of Biochemistry</i> , 1998 , 124, 670-8	3.1	76
4	Mouse chondroitin 6-sulfotransferase: molecular cloning, characterization and chromosomal mapping. <i>Glycobiology</i> , 1998 , 8, 489-96	5.8	41
3	Enzymatic sulfation of galactose residue of keratan sulfate by chondroitin 6-sulfotransferase. <i>Glycobiology</i> , 1996 , 6, 51-7	5.8	45
2	Molecular cloning and expression of chick chondrocyte chondroitin 6-sulfotransferase. <i>Journal of Biological Chemistry</i> , 1995 , 270, 18575-80	5.4	103
1	Extracellular endosulfatase Sulf-2 harbours a chondroitin/dermatan sulfate chain that modulates its enzyme activity		1