

Shuheï Yamada

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,157
citations

430874

18
h-index

414414

32
g-index

48
all docs

48
docs citations

48
times ranked

1399
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular interactions between chondroitinâ€“dermatan sulfate and growth factors/receptors/matrix proteins. <i>Current Opinion in Structural Biology</i> , 2015, 34, 35-42.	5.7	179
2	Loss-of-function mutations of CHST14 in a new type of Ehlers-Danlos syndrome. <i>Human Mutation</i> , 2010, 31, 966-974.	2.5	137
3	Important role of heparan sulfate in postnatal islet growth and insulin secretion. <i>Biochemical and Biophysical Research Communications</i> , 2009, 383, 113-118.	2.1	77
4	Embryonic Fibroblasts with a Gene Trap Mutation in Ext1 Produce Short Heparan Sulfate Chains. <i>Journal of Biological Chemistry</i> , 2004, 279, 32134-32141.	3.4	52
5	Spondyloepiphyseal dysplasia, Omani type: Further definition of the phenotype. <i>American Journal of Medical Genetics, Part A</i> , 2008, 146A, 2376-2384.	1.2	48
6	Human Genetic Disorders and Knockout Mice Deficient in Glycosaminoglycan. <i>BioMed Research International</i> , 2014, 2014, 1-24.	1.9	45
7	Novel Adamantanyl-Based Thiadiazolyl Pyrazoles Targeting EGFR in Triple-Negative Breast Cancer. <i>ACS Omega</i> , 2016, 1, 1412-1424.	3.5	43
8	Roles of two types of heparan sulfate clusters in Wnt distribution and signaling in <i>Xenopus</i> . <i>Nature Communications</i> , 2017, 8, 1973.	12.8	38
9	Identification of biallelic EXTL3 mutations in a novel type of spondylo-epi-metaphyseal dysplasia. <i>Journal of Human Genetics</i> , 2017, 62, 797-801.	2.3	35
10	Structural alteration of glycosaminoglycan side chains and spatial disorganization of collagen networks in the skin of patients with mcEDS-CHST14. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 623-631.	2.4	26
11	Mutations in Biosynthetic Enzymes for the Protein Linker Region of Chondroitin/Dermatan/Heparan Sulfate Cause Skeletal and Skin Dysplasias. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	25
12	Defect in dermatan sulfate in urine of patients with Ehlers-Danlos syndrome caused by a CHST14/D4ST1 deficiency. <i>Clinical Biochemistry</i> , 2017, 50, 670-677.	1.9	25
13	Pathophysiological Significance of Dermatan Sulfate Proteoglycans Revealed by Human Genetic Disorders. <i>Pharmaceuticals</i> , 2017, 10, 34.	3.8	25
14	Recent Advances in the Pathophysiology of Musculocontractural Ehlers-Danlos Syndrome. <i>Genes</i> , 2020, 11, 43.	2.4	24
15	Functional validation of novel compound heterozygous variants in B3GAT3 resulting in severe osteopenia and fractures: expanding the disease phenotype. <i>BMC Medical Genetics</i> , 2016, 17, 86.	2.1	22
16	Chondroitin Sulfate<i>N</i>-acetylgalactosaminyltransferase-1 (CSGalNAcT-1) Deficiency Results in a Mild Skeletal Dysplasia and Joint Laxity. <i>Human Mutation</i> , 2017, 38, 34-38.	2.5	22
17	A response to: Loss of dermatan-4-sulfotransferase 1 (D4ST1/CHST14) function represents the first dermatan sulfate biosynthesis defect, â€œdermatan sulfate-deficient Adducted Thumb-Clubfoot Syndromeâ€“ Which name is appropriate, â€œAdducted Thumb-Clubfoot Synd. <i>Human Mutation</i> , 2011, 32, 1507-1509.	2.5	21
18	Vascular abnormalities in the placenta of Chst14âˆ“/âˆ“ fetuses: implications in the pathophysiology of perinatal lethality of the murine model and vascular lesions in human CHST14/D4ST1 deficiency. <i>Glycobiology</i> , 2018, 28, 80-89.	2.5	20

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19	Screening of known disease genes in congenital scoliosis. <i>Molecular Genetics & Genomic Medicine</i> , 2018, 6, 966-974.	1.2	20
20	Congenital Disorders of Deficiency in Glycosaminoglycan Biosynthesis. <i>Frontiers in Genetics</i> , 2021, 12, 717535.	2.3	19
21	Delineation of musculocontractural Ehlers-Danlos Syndrome caused by dermatan sulfate epimerase deficiency. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1197.	1.2	18
22	Mannose and phosphomannose isomerase regulate energy metabolism under glucose starvation in leukemia. <i>Cancer Science</i> , 2021, 112, 4944-4956.	3.9	18
23	Identification of novel LFNG mutations in spondylocostal dysostosis. <i>Journal of Human Genetics</i> , 2019, 64, 261-264.	2.3	17
24	An Overview of in vivo Functions of Chondroitin Sulfate and Dermatan Sulfate Revealed by Their Deficient Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 764781.	3.7	17
25	CSGALNACT1 congenital disorder of glycosylation: A mild skeletal dysplasia with advanced bone age. <i>Human Mutation</i> , 2020, 41, 655-667.	2.5	15
26	Systematic investigation of the skin in <i>Chst14</i> mice: A model for skin fragility in musculocontractural Ehlers-Danlos syndrome caused by <i>CHST14</i> variants (mcEDS- <i>CHST14</i>). <i>Glycobiology</i> , 2021, 31, 137-150.	2.5	15
27	Hyaluronan degradation and release of a hyaluronan-aggreacan complex from perineuronal nets in the aged mouse brain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129804.	2.4	15
28	Hyaluronidase-4 is produced by mast cells and can cleave serglycin chondroitin sulfate chains into lower molecular weight forms. <i>Journal of Biological Chemistry</i> , 2019, 294, 11458-11472.	3.4	14
29	Specific functions of Exostosin-like 3 (EXTL3) gene products. <i>Cellular and Molecular Biology Letters</i> , 2020, 25, 39.	7.0	14
30	The Specific Role of Dermatan Sulfate as an Instructive Glycosaminoglycan in Tissue Development. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7485.	4.1	13
31	Plasma mannose level, a putative indicator of glycogenolysis, and glucose tolerance in Japanese individuals. <i>Journal of Diabetes Investigation</i> , 2017, 8, 489-495.	2.4	11
32	The reduction of heparan sulphate in the glomerular basement membrane does not augment urinary albumin excretion. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 26-33.	0.7	11
33	<i>b3galt6</i> Knock-Out Zebrafish Recapitulate β 3GalT6-Deficiency Disorders in Human and Reveal a Trisaccharide Proteoglycan Linkage Region. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 597857.	3.7	11
34	Dermatan sulphate promotes neuronal differentiation in mouse and human stem cells. <i>Journal of Biochemistry</i> , 2021, 169, 55-64.	1.7	11
35	Muscle pathophysiology in mouse models of musculocontractural Ehlers-Danlos syndrome due to <i>CHST14</i> mutations (mcEDS- <i>CHST14</i>), generated through CRISPR/Cas9-mediated genomic editing. <i>DMM Disease Models and Mechanisms</i> , 2021, , .	2.4	11
36	Effects of heparan sulfate proteoglycan syndecan-4 on the insulin secretory response in a mouse pancreatic β -cell line, MIN6. <i>Molecular and Cellular Endocrinology</i> , 2018, 470, 142-150.	3.2	9

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37	Pseudodiastrophic dysplasia expands the known phenotypic spectrum of defects in proteoglycan biosynthesis. <i>Journal of Medical Genetics</i> , 2020, 57, 454-460.	3.2	8
38	Role of Hyaluronidases in the Catabolism of Chondroitin Sulfate. <i>Advances in Experimental Medicine and Biology</i> , 2015, 842, 185-197.	1.6	8
39	Compositional analysis of the glycosaminoglycan family in velvet antlers of Sika deer (<i>Cervus nippon</i>) at different growing stages. <i>Glycoconjugate Journal</i> , 2019, 36, 127-139.	2.7	7
40	Myopathy Associated With Dermatan Sulfate-Deficient Decorin and Myostatin in Musculocontractural Ehlers-Danlos Syndrome: A Mouse Model Investigation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 695021.	3.7	5
41	Exogenous Application of Proteoglycan to the Cell Surface Microenvironment Facilitates to Chondrogenic Differentiation and Maintenance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7744.	4.1	3
42	Congenital Disorders Caused by Defects in Anabolism of Glycosaminoglycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2020, 32, E45-E51.	0.1	2
43	Importance of the Fine Structure of Glycosaminoglycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, SE44-SE45.	0.1	1
44	[Review: Symposium on Amylases and Related Enzymes] Novel Chondroitin Sulfate-Specific Hydrolases. <i>Bulletin of Applied Glycoscience</i> , 2012, 2, 104-110.	0.0	0
45	Importance of the Fine Structure of Glycosaminoglycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2019, 31, SJ44-SJ45.	0.1	0
46	Congenital Disorders Caused by Defects in Anabolism of Glycosaminoglycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2020, 32, J43-J49.	0.1	0
47	Congenital Disorders Caused by Defects in Catabolism of Glycosaminoglycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2020, 32, E127-E133.	0.1	0
48	Congenital Disorders Caused by Defects in Catabolism of Glycosaminoglycans. <i>Trends in Glycoscience and Glycotechnology</i> , 2020, 32, J105-J110.	0.1	0