

Yu Yamaguchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7227949/publications.pdf>

Version: 2024-02-01

37
papers

1,830
citations

361413

20
h-index

414414

32
g-index

48
all docs

48
docs citations

48
times ranked

2733
citing authors

#	ARTICLE	IF	CITATIONS
1	The cell surface hyaluronidase TMEM2 plays an essential role in mouse neural crest cell development and survival. <i>PLoS Genetics</i> , 2022, 18, e1009765.	3.5	6
2	The cell surface hyaluronidase TMEM2 regulates cell adhesion and migration via degradation of hyaluronan at focal adhesion sites. <i>Journal of Biological Chemistry</i> , 2021, 296, 100481.	3.4	24
3	Heparan sulfate is essential for thymus growth. <i>Journal of Biological Chemistry</i> , 2021, 296, 100419.	3.4	7
4	The versican-hyaluronan complex provides an essential extracellular matrix niche for Flk1+ hematoendothelial progenitors. <i>Matrix Biology</i> , 2021, 97, 40-57.	3.6	14
5	Heparan sulfate promotes differentiation of white adipocytes to maintain insulin sensitivity and glucose homeostasis. <i>Journal of Biological Chemistry</i> , 2021, 297, 101006.	3.4	7
6	The cell surface hyaluronidase TMEM2 is essential for systemic hyaluronan catabolism and turnover. <i>Journal of Biological Chemistry</i> , 2021, 297, 101281.	3.4	24
7	Endothelial cell-specific reduction of heparan sulfate suppresses glioma growth in mice. <i>Discover Oncology</i> , 2021, 12, 50.	2.1	3
8	Integrity of White Matter is Compromised in Mice with Hyaluronan Deficiency. <i>Neurochemical Research</i> , 2020, 45, 53-67.	3.3	4
9	Heparan sulfate deficiency leads to hypertrophic chondrocytes by increasing bone morphogenetic protein signaling. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 1459-1470.	1.3	9
10	Heparan sulfate controls skeletal muscle differentiation and motor functions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129707.	2.4	6
11	Heparan sulfate promotes the differentiation of muscle cells and contributes to maintain motor function in mice. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020, 93, 2-YIA-37.	0.0	0
12	4-Methylumbelliferone improves the thermogenic capacity of brown adipose tissue. <i>Nature Metabolism</i> , 2019, 1, 546-559.	11.9	26
13	Cardiac Hyaluronan Synthesis Is Critically Involved in the Cardiac Macrophage Response and Promotes Healing After Ischemia Reperfusion Injury. <i>Circulation Research</i> , 2019, 124, 1433-1447.	4.5	47
14	TMEM2: A missing link in hyaluronan catabolism identified?. <i>Matrix Biology</i> , 2019, 78-79, 139-146.	3.6	69
15	Heparan sulfate in pancreatic β -cells contributes to normal glucose homeostasis by regulating insulin secretion. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 688-695.	2.1	6
16	Palovarotene Inhibits Osteochondroma Formation in a Mouse Model of Multiple Hereditary Exostoses. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 658-666.	2.8	30
17	Osteoblastic heparan sulfate regulates osteoprotegerin function and bone mass. <i>JCI Insight</i> , 2018, 3, .	5.0	23
18	A mammalian homolog of the zebrafish transmembrane protein 2 (TMEM2) is the long-sought-after cell-surface hyaluronidase. <i>Journal of Biological Chemistry</i> , 2017, 292, 7304-7313.	3.4	125

#	ARTICLE	IF	CITATIONS
19	Brain extracellular space, hyaluronan, and the prevention of epileptic seizures. <i>Reviews in the Neurosciences</i> , 2017, 28, 869-892.	2.9	39
20	Hyaluronan Rich Microenvironment in the Limbal Stem Cell Niche Regulates Limbal Stem Cell Differentiation. , 2017, 58, 4407.		50
21	Aberrant perichondrial BMP signaling mediates multiple osteochondromagenesis in mice. <i>JCI Insight</i> , 2017, 2, .	5.0	31
22	Neuronal heparan sulfates promote amyloid pathology by modulating brain amyloid- β clearance and aggregation in Alzheimer's disease. <i>Science Translational Medicine</i> , 2016, 8, 332ra44.	12.4	115
23	Esophageal Squamous Cell Carcinoma Cells Modulate Chemokine Expression and Hyaluronan Synthesis in Fibroblasts. <i>Journal of Biological Chemistry</i> , 2016, 291, 4091-4106.	3.4	14
24	Hepatocyte Heparan Sulfate Is Required for Adeno-Associated Virus 2 but Dispensable for Adenovirus 5 Liver Transduction In Vivo. <i>Journal of Virology</i> , 2016, 90, 412-420.	3.4	30
25	Loss of Corneal Epithelial Heparan Sulfate Leads to Corneal Degeneration and Impaired Wound Healing. , 2015, 56, 3004.		36
26	Hyaluronan Deficiency Due to <i>Has3</i> Knock-Out Causes Altered Neuronal Activity and Seizures via Reduction in Brain Extracellular Space. <i>Journal of Neuroscience</i> , 2014, 34, 6164-6176.	3.6	120
27	Inhibiting stromal cell heparan sulfate synthesis improves stem cell mobilization and enables engraftment without cytotoxic conditioning. <i>Blood</i> , 2014, 124, 2937-2947.	1.4	39
28	Perichondrium phenotype and border function are regulated by <i>Ext1</i> and heparan sulfate in developing long bones: A mechanism likely deranged in Hereditary Multiple Exostoses. <i>Developmental Biology</i> , 2013, 377, 100-112.	2.0	56
29	Autism-like socio-communicative deficits and stereotypies in mice lacking heparan sulfate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5052-5056.	7.1	135
30	Hyaluronan Expressed by Bone Marrow Mesenchymal Cells Regulates Functions of the Hematopoietic Microenvironment. <i>Blood</i> , 2012, 120, 1243-1243.	1.4	0
31	Compound heterozygous loss of <i>Ext1</i> and <i>Ext2</i> is sufficient for formation of multiple exostoses in mouse ribs and long bones. <i>Bone</i> , 2011, 48, 979-987.	2.9	57
32	Roles of Heparan Sulfate in Mammalian Brain Development. <i>Progress in Molecular Biology and Translational Science</i> , 2010, 93, 133-152.	1.7	38
33	A mouse model of chondrocyte-specific somatic mutation reveals a role for <i>Ext1</i> loss of heterozygosity in multiple hereditary exostoses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10932-10937.	7.1	72
34	Conditional Ablation of the Heparan Sulfate-synthesizing Enzyme <i>Ext1</i> Leads to Dysregulation of Bone Morphogenic Protein Signaling and Severe Skeletal Defects. <i>Journal of Biological Chemistry</i> , 2010, 285, 19227-19234.	3.4	56
35	Hyaluronan Associated with the Bone Marrow Hematopoietic Microenvironment Is Required for the Recruitment and Retention of Hematopoietic Stem and Progenitor Cells In the Bone Marrow.. <i>Blood</i> , 2010, 116, 2593-2593.	1.4	0
36	Conditional inactivation of <i>Has2</i> reveals a crucial role for hyaluronan in skeletal growth, patterning, chondrocyte maturation and joint formation in the developing limb. <i>Development (Cambridge)</i> , 2009, 136, 2825-2835.	2.5	125

#	ARTICLE	IF	CITATIONS
37	Mammalian Brain Morphogenesis and Midline Axon Guidance Require Heparan Sulfate. Science, 2003, 302, 1044-1046.	12.6	387