

Miriam S Domowicz

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1370165/miriam-s-domowicz-publications-by-citations.pdf>

Version: 2024-04-29

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.

42
papers

1,248
citations

19
h-index

35
g-index

52
ext. papers

1,367
ext. citations

4.5
avg, IF

4.2
L-index

#	Paper	IF	Citations
42	A member of a family of sulfate-activating enzymes causes murine brachymorphism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 8681-5	11.5	125
41	Selecting improved peptidyl motifs for cytosolic delivery of disparate protein and nanoparticle materials. <i>ACS Nano</i> , 2013 , 7, 3778-96	16.7	111
40	Chondrodysplasias due to proteoglycan defects. <i>Glycobiology</i> , 2002 , 12, 57R-68R	5.8	101
39	The isolation and characterization of cDNA encoding the mouse bifunctional ATP sulfurylase-adenosine 5'-phosphosulfate kinase. <i>Journal of Biological Chemistry</i> , 1995 , 270, 29453-9	5.4	72
38	The biochemically and immunologically distinct CSPG of notochord is a product of the aggrecan gene. <i>Developmental Biology</i> , 1995 , 171, 655-64	3.1	71
37	Proteoglycans in brain development. <i>Glycoconjugate Journal</i> , 2004 , 21, 329-41	3	66
36	Domain organization, genomic structure, evolution, and regulation of expression of the aggrecan gene family. <i>Progress in Molecular Biology and Translational Science</i> , 1999 , 62, 177-225		58
35	Delivery and tracking of quantum dot peptide bioconjugates in an intact developing avian brain. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 494-504	5.7	55
34	Aggrecan is required for growth plate cytoarchitecture and differentiation. <i>Developmental Biology</i> , 2014 , 396, 224-36	3.1	54
33	Age-dependent inhibition of neural crest migration by the notochord correlates with alterations in the S103L chondroitin sulfate proteoglycan. <i>Experimental Cell Research</i> , 1996 , 225, 195-206	4.2	53
32	Aggrecan modulation of growth plate morphogenesis. <i>Developmental Biology</i> , 2009 , 329, 242-57	3.1	51
31	Aggrecan is expressed by embryonic brain glia and regulates astrocyte development. <i>Developmental Biology</i> , 2008 , 315, 114-24	3.1	47
30	Cold pre-conditioning neuroprotection depends on TNF- α and is enhanced by blockade of interleukin-11. <i>Journal of Neurochemistry</i> , 2011 , 117, 187-96	6	46
29	Proteoglycans in brain development and pathogenesis. <i>FEBS Letters</i> , 2018 , 592, 3791-3805	3.8	42
28	Forward genetics defines Xylt1 as a key, conserved regulator of early chondrocyte maturation and skeletal length. <i>Developmental Biology</i> , 2014 , 385, 67-82	3.1	31
27	S103L reactive chondroitin sulfate proteoglycan (aggrecan) mRNA expressed in developing chick brain and cartilage is encoded by a single gene. <i>Molecular Brain Research</i> , 1996 , 36, 309-21		29
26	Role of the C-terminal G3 domain in sorting and secretion of aggrecan core protein and ubiquitin-mediated degradation of accumulated mutant precursors. <i>Journal of Biological Chemistry</i> , 2000 , 275, 35098-105	5.4	24

25	The genetic signature of perineuronal oligodendrocytes reveals their unique phenotype. <i>European Journal of Neuroscience</i> , 2011 , 34, 1906-22	3.5	23
24	Astrocyte precursor response to embryonic brain injury. <i>Brain Research</i> , 2011 , 1389, 35-49	3.7	19
23	Cell specific-chondroitin sulfate proteoglycan expression during CNS morphogenesis in the chick embryo. <i>International Journal of Developmental Neuroscience</i> , 2000 , 18, 629-41	2.7	19
22	The nanomelic mutation in the aggrecan gene is expressed in chick chondrocytes and neurons. <i>International Journal of Developmental Neuroscience</i> , 1996 , 14, 191-201	2.7	19
21	CNS myelin sheath is stochastically built by homotypic fusion of myelin membranes within the bounds of an oligodendrocyte process. <i>Journal of Structural Biology</i> , 2015 , 190, 56-72	3.4	14
20	Chemistry and function of glycosaminoglycans in the nervous system. <i>Advances in Neurobiology</i> , 2014 , 9, 89-115	2.1	13
19	Developmental expression of the HNK-1 carbohydrate epitope on aggrecan during chondrogenesis. <i>Developmental Dynamics</i> , 2003 , 226, 42-50	2.9	13
18	3D high spectral and spatial resolution imaging of ex vivo mouse brain. <i>Medical Physics</i> , 2015 , 42, 1463-74	4.4	12
17	Aggrecan regulates telencephalic neuronal aggregation in culture. <i>Developmental Brain Research</i> , 2003 , 143, 207-16		12
16	Vascular dimorphism ensured by regulated proteoglycan dynamics favors rapid umbilical artery closure at birth. <i>ELife</i> , 2020 , 9,	8.9	12
15	Global Brain Transcriptome Analysis of a Tpp1 Neuronal Ceroid Lipofuscinoses Mouse Model. <i>ASN Neuro</i> , 2019 , 11, 1759091419843393	5.3	7
14	The Role of in Prenatal and Postnatal Murine Chondrocytes and Trabecular Bone. <i>JBMR Plus</i> , 2020 , 4, e10254	3.9	7
13	Glial cell responses in a murine multifactorial perinatal brain injury model. <i>Brain Research</i> , 2018 , 1681, 52-63	3.7	7
12	Glial migratory streams in the developing hindbrain: a slice culture approach. <i>Journal of Neuroscience Methods</i> , 2009 , 177, 30-43	3	6
11	Synthesis and translocation of gangliosides and glycoproteins during urethane anesthesia. <i>Journal of Neurochemistry</i> , 1988 , 50, 1369-74	6	6
10	APBP-1, a DNA/RNA-binding protein, interacts with the chick aggrecan regulatory region. <i>Journal of Biological Chemistry</i> , 2005 , 280, 35606-16	5.4	5
9	Waning efficacy in a long-term AAV-mediated gene therapy study in the murine model of Krabbe disease. <i>Molecular Therapy</i> , 2021 , 29, 1883-1902	11.7	4
8	Brain transcriptome analysis of a CLN2 mouse model as a function of disease progression. <i>Journal of Neuroinflammation</i> , 2021 , 18, 262	10.1	3

7	Proteoglycans: gene cloning. <i>Methods in Molecular Biology</i> , 2012 , 836, 3-21	1.4	3
6	Chondrodysplasias 2004 , 502-509		3
5	Chondrodysplasias? 2014 ,		3
4	Roles of Chondroitin Sulfate Proteoglycans as Regulators of Skeletal Development.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 745372	5.7	1
3	Comparisons and Approaches of PREP Programs at Different Stages of Maturity: Challenges, Best Practices and Benefits. <i>Ethnicity and Disease</i> , 2020 , 30, 55-64	1.8	0
2	NOVOcan: a molecular link among selected glial cells. <i>Biophysical Chemistry</i> , 2004 , 108, 245-58	3.5	
1	The role of aggrecan in embryonic growth plate cytoarchitecture and differentiation: a rescue model (344.6). <i>FASEB Journal</i> , 2014 , 28, 344.6	0.9	