

# Miriam S Domowicz

## List of Publications by Year in Descending Order

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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	Roles of Chondroitin Sulfate Proteoglycans as Regulators of Skeletal Development.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 745372	5.7	1
41	Brain transcriptome analysis of a CLN2 mouse model as a function of disease progression. <i>Journal of Neuroinflammation</i> , <b>2021</b> , 18, 262	10.1	3
40	Waning efficacy in a long-term AAV-mediated gene therapy study in the murine model of Krabbe disease. <i>Molecular Therapy</i> , <b>2021</b> , 29, 1883-1902	11.7	4
39	The Role of in Prenatal and Postnatal Murine Chondrocytes and Trabecular Bone. <i>JBMR Plus</i> , <b>2020</b> , 4, e10254	3.9	7
38	Vascular dimorphism ensured by regulated proteoglycan dynamics favors rapid umbilical artery closure at birth. <i>ELife</i> , <b>2020</b> , 9,	8.9	12
37	Comparisons and Approaches of PREP Programs at Different Stages of Maturity: Challenges, Best Practices and Benefits. <i>Ethnicity and Disease</i> , <b>2020</b> , 30, 55-64	1.8	0
36	Global Brain Transcriptome Analysis of a Tpp1 Neuronal Ceroid Lipofuscinoses Mouse Model. <i>ASN Neuro</i> , <b>2019</b> , 11, 1759091419843393	5.3	7
35	Proteoglycans in brain development and pathogenesis. <i>FEBS Letters</i> , <b>2018</b> , 592, 3791-3805	3.8	42
34	Glial cell responses in a murine multifactorial perinatal brain injury model. <i>Brain Research</i> , <b>2018</b> , 1681, 52-63	3.7	7
33	3D high spectral and spatial resolution imaging of ex vivo mouse brain. <i>Medical Physics</i> , <b>2015</b> , 42, 1463-72.4	7.4	12
32	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> , <b>2015</b> , 190, 56-72	3.4	14
31	Delivery and tracking of quantum dot peptide bioconjugates in an intact developing avian brain. <i>ACS Chemical Neuroscience</i> , <b>2015</b> , 6, 494-504	5.7	55
30	Chemistry and function of glycosaminoglycans in the nervous system. <i>Advances in Neurobiology</i> , <b>2014</b> , 9, 89-115	2.1	13
29	Aggrecan is required for growth plate cytoarchitecture and differentiation. <i>Developmental Biology</i> , <b>2014</b> , 396, 224-36	3.1	54
28	Forward genetics defines Xylt1 as a key, conserved regulator of early chondrocyte maturation and skeletal length. <i>Developmental Biology</i> , <b>2014</b> , 385, 67-82	3.1	31
27	Chondrodysplasias? <b>2014</b> ,		3
26	The role of aggrecan in embryonic growth plate cytoarchitecture and differentiation: a rescue model (344.6). <i>FASEB Journal</i> , <b>2014</b> , 28, 344.6	0.9	

25	Selecting improved peptidyl motifs for cytosolic delivery of disparate protein and nanoparticle materials. <i>ACS Nano</i> , <b>2013</b> , 7, 3778-96	16.7	111
24	Proteoglycans: gene cloning. <i>Methods in Molecular Biology</i> , <b>2012</b> , 836, 3-21	1.4	3
23	The genetic signature of perineuronal oligodendrocytes reveals their unique phenotype. <i>European Journal of Neuroscience</i> , <b>2011</b> , 34, 1906-22	3.5	23
22	Cold pre-conditioning neuroprotection depends on TNF- $\alpha$ and is enhanced by blockade of interleukin-11. <i>Journal of Neurochemistry</i> , <b>2011</b> , 117, 187-96	6	46
21	Astrocyte precursor response to embryonic brain injury. <i>Brain Research</i> , <b>2011</b> , 1389, 35-49	3.7	19
20	Glial migratory streams in the developing hindbrain: a slice culture approach. <i>Journal of Neuroscience Methods</i> , <b>2009</b> , 177, 30-43	3	6
19	Aggrecan modulation of growth plate morphogenesis. <i>Developmental Biology</i> , <b>2009</b> , 329, 242-57	3.1	51
18	Aggrecan is expressed by embryonic brain glia and regulates astrocyte development. <i>Developmental Biology</i> , <b>2008</b> , 315, 114-24	3.1	47
17	APBP-1, a DNA/RNA-binding protein, interacts with the chick aggrecan regulatory region. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 35606-16	5.4	5
16	Proteoglycans in brain development. <i>Glycoconjugate Journal</i> , <b>2004</b> , 21, 329-41	3	66
15	NOVOcan: a molecular link among selected glial cells. <i>Biophysical Chemistry</i> , <b>2004</b> , 108, 245-58	3.5	
14	Chondrodysplasias <b>2004</b> , 502-509		3
13	Aggrecan regulates telencephalic neuronal aggregation in culture. <i>Developmental Brain Research</i> , <b>2003</b> , 143, 207-16		12
12	Developmental expression of the HNK-1 carbohydrate epitope on aggrecan during chondrogenesis. <i>Developmental Dynamics</i> , <b>2003</b> , 226, 42-50	2.9	13
11	Chondrodysplasias due to proteoglycan defects. <i>Glycobiology</i> , <b>2002</b> , 12, 57R-68R	5.8	101
10	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> , <b>2000</b> , 275, 35098-105	5.4	24
9	Cell specific-chondroitin sulfate proteoglycan expression during CNS morphogenesis in the chick embryo. <i>International Journal of Developmental Neuroscience</i> , <b>2000</b> , 18, 629-41	2.7	19
8	Domain organization, genomic structure, evolution, and regulation of expression of the aggrecan gene family. <i>Progress in Molecular Biology and Translational Science</i> , <b>1999</b> , 62, 177-225		58

7	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> , <b>1998</b> , 95, 8681-5	11.5	125
6	The nanomelic mutation in the aggrecan gene is expressed in chick chondrocytes and neurons. <i>International Journal of Developmental Neuroscience</i> , <b>1996</b> , 14, 191-201	2.7	19
5	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> , <b>1996</b> , 36, 309-21		29
4	Age-dependent inhibition of neural crest migration by the notochord correlates with alterations in the S103L chondroitin sulfate proteoglycan. <i>Experimental Cell Research</i> , <b>1996</b> , 225, 195-206	4.2	53
3	The isolation and characterization of cDNA encoding the mouse bifunctional ATP sulfurylase-adenosine 5'-phosphosulfate kinase. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 29453-9	5.4	72
2	The biochemically and immunologically distinct CSPG of notochord is a product of the aggrecan gene. <i>Developmental Biology</i> , <b>1995</b> , 171, 655-64	3.1	71
1	Synthesis and translocation of gangliosides and glycoproteins during urethane anesthesia. <i>Journal of Neurochemistry</i> , <b>1988</b> , 50, 1369-74	6	6