

Miriam S Domowicz

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,490
citations

361413

20
h-index

315739

38
g-index

52
all docs

52
docs citations

52
times ranked

2208
citing authors

#	ARTICLE	IF	CITATIONS
1	A member of a family of sulfate-activating enzymes causes murine brachymorphism. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8681-8685.	7.1	137
2	Selecting Improved Peptidyl Motifs for Cytosolic Delivery of Disparate Protein and Nanoparticle Materials. ACS Nano, 2013, 7, 3778-3796.	14.6	124
3	Chondrodysplasias due to proteoglycan defects. Glycobiology, 2002, 12, 57R-68R.	2.5	113
4	The Isolation and Characterization of cDNA Encoding the Mouse Bifunctional ATP Sulfurylase-Adenosine 5-Phosphosulfate Kinase. Journal of Biological Chemistry, 1995, 270, 29453-29459.	3.4	86
5	Aggrecan is required for growth plate cytoarchitecture and differentiation. Developmental Biology, 2014, 396, 224-236.	2.0	76
6	The Biochemically and Immunologically Distinct CSPG of Notochord Is a Product of the Aggrecan Gene. Developmental Biology, 1995, 171, 655-664.	2.0	75
7	Proteoglycans in brain development. Glycoconjugate Journal, 2004, 21, 329-341.	2.7	72
8	Domain Organization, Genomic Structure, Evolution, and Regulation of Expression of the Aggrecan Gene Family. Progress in Molecular Biology and Translational Science, 1998, 62, 177-225.	1.9	68
9	Delivery and Tracking of Quantum Dot Peptide Bioconjugates in an Intact Developing Avian Brain. ACS Chemical Neuroscience, 2015, 6, 494-504.	3.5	67
10	Proteoglycans in brain development and pathogenesis. FEBS Letters, 2018, 592, 3791-3805.	2.8	66
11	Aggrecan modulation of growth plate morphogenesis. Developmental Biology, 2009, 329, 242-257.	2.0	65
12	Age-Dependent Inhibition of Neural Crest Migration by the Notochord Correlates with Alterations in the S103L Chondroitin Sulfate Proteoglycan. Experimental Cell Research, 1996, 225, 195-206.	2.6	57
13	Aggrecan is expressed by embryonic brain glia and regulates astrocyte development. Developmental Biology, 2008, 315, 114-124.	2.0	54
14	Cold preconditioning neuroprotection depends on TNF and is enhanced by blockade of interleukin-1. Journal of Neurochemistry, 2011, 117, 187-196.	3.9	51
15	Forward genetics defines Xylt1 as a key, conserved regulator of early chondrocyte maturation and skeletal length. Developmental Biology, 2014, 385, 67-82.	2.0	44
16	The genetic signature of perineuronal oligodendrocytes reveals their unique phenotype. European Journal of Neuroscience, 2011, 34, 1906-1922.	2.6	33
17	S103L reactive chondroitin sulfate proteoglycan (aggrecan) mRNA expressed in developing chick brain and cartilage is encoded by a single gene. Molecular Brain Research, 1996, 36, 309-321.	2.3	29
18	Role of the C-terminal G3 Domain in Sorting and Secretion of Aggrecan Core Protein and Ubiquitin-mediated Degradation of Accumulated Mutant Precursors. Journal of Biological Chemistry, 2000, 275, 35098-35105.	3.4	27

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19	Astrocyte precursor response to embryonic brain injury. <i>Brain Research</i> , 2011, 1389, 35-49.	2.2	22
20	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.	8.2	22
21	Cell specific chondroitin sulfate proteoglycan expression during CNS morphogenesis in the chick embryo. <i>International Journal of Developmental Neuroscience</i> , 2000, 18, 629-641.	1.6	21
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.	1.6	19
23	Chemistry and Function of Glycosaminoglycans in the Nervous System. <i>Advances in Neurobiology</i> , 2014, 9, 89-115.	1.8	18
24	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.	2.8	17
25	Vascular dimorphism ensured by regulated proteoglycan dynamics favors rapid umbilical artery closure at birth. <i>ELife</i> , 2020, 9, .	6.0	16
26	Developmental expression of the HNK-1 carbohydrate epitope on aggrecan during chondrogenesis. <i>Developmental Dynamics</i> , 2003, 226, 42-50.	1.8	14
27	Aggrecan regulates telencephalic neuronal aggregation in culture. <i>Developmental Brain Research</i> , 2003, 143, 207-216.	1.7	13
28	3D high spectral and spatial resolution imaging of <i>ex vivo</i> mouse brain. <i>Medical Physics</i> , 2015, 42, 1463-1472.	3.0	13
29	Global Brain Transcriptome Analysis of a <i>Tpp1</i> Neuronal Ceroid Lipofuscinoses Mouse Model. <i>ASN Neuro</i> , 2019, 11, 175909141984339.	2.7	13
30	The Role of <i>Dot1l</i> in Prenatal and Postnatal Murine Chondrocytes and Trabecular Bone. <i>JBMR Plus</i> , 2020, 4, e10254.	2.7	11
31	Glial cell responses in a murine multifactorial perinatal brain injury model. <i>Brain Research</i> , 2018, 1681, 52-63.	2.2	8
32	Synthesis and Translocation of Gangliosides and Glycoproteins During Urethane Anesthesia. <i>Journal of Neurochemistry</i> , 1988, 50, 1369-1374.	3.9	7
33	Glial migratory streams in the developing hindbrain: A slice culture approach. <i>Journal of Neuroscience Methods</i> , 2009, 177, 30-43.	2.5	6
34	APBP-1, a DNA/RNA-binding Protein, Interacts with the Chick Aggrecan Regulatory Region. <i>Journal of Biological Chemistry</i> , 2005, 280, 35606-35616.	3.4	5
35	Brain transcriptome analysis of a CLN2 mouse model as a function of disease progression. <i>Journal of Neuroinflammation</i> , 2021, 18, 262.	7.2	5
36	Chondrodysplasias. , 2004, , 502-509.		4

#	ARTICLE	IF	CITATIONS
37	Proteoglycans: Gene Cloning. <i>Methods in Molecular Biology</i> , 2012, 836, 3-21.	0.9	3
38	Chondrodysplasias. , 2014, , .		3
39	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.	2.3	2
40	Embryonic brain injury: apoptosis, proliferation and glial precursor response. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 459.	1.7	1
41	Roles of Chondroitin Sulfate Proteoglycans as Regulators of Skeletal Development. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 745372.	3.7	1
42	NOVOcan: a molecular link among selected glial cells. <i>Biophysical Chemistry</i> , 2004, 108, 245-258.	2.8	0
43	The role of aggrecan in embryonic growth plate cytoarchitecture and differentiation: a rescue model (344.6). <i>FASEB Journal</i> , 2014, 28, 344.6.	0.5	0
44	Role of Ectosomes in the Design of the Myelinated Axon: Structural Find. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0