Miriam S Domowicz

List of Publications by Year
in descending order

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	Roles of Chondroitin Sulfate Proteoglycans as Regulators of Skeletal Development. Frontiers in Cell and Developmental Biology, 2022, 10, 745372.	3.7	1
2	Waning efficacy in a long-term AAV-mediated gene therapy study in the murine model of Krabbe disease. Molecular Therapy, 2021, 29, 1883-1902.	8.2	22
3	Brain transcriptome analysis of a CLN2 mouse model as a function of disease progression. Journal of Neuroinflammation, 2021, 18, 262.	7.2	5
4	The Role of Dot1l in Prenatal and Postnatal Murine Chondrocytes and Trabecular Bone. JBMR Plus, 2020, 4, e10254.	2.7	11
5	Vascular dimorphism ensured by regulated proteoglycan dynamics favors rapid umbilical artery closure at birth. ELife, 2020, 9, .	6.0	16
6	Comparisons and Approaches of PREP Programs at Different Stages of Maturity: Challenges, Best Practices and Benefits. Ethnicity and Disease, 2020, 30, 55-64.	2.3	2
7	Global Brain Transcriptome Analysis of a Tpp1 Neuronal Ceroid Lipofuscinoses Mouse Model. ASN Neuro, 2019, 11, 175909141984339.	2.7	13
8	Proteoglycans in brain development and pathogenesis. FEBS Letters, 2018, 592, 3791-3805.	2.8	66
9	Glial cell responses in a murine multifactorial perinatal brain injury model. Brain Research, 2018, 1681, 52-63.	2.2	8
10	CNS myelin sheath is stochastically built by homotypic fusion of myelin membranes within the bounds of an oligodendrocyte process. Journal of Structural Biology, 2015, 190, 56-72.	2.8	17
11	Delivery and Tracking of Quantum Dot Peptide Bioconjugates in an Intact Developing Avian Brain. ACS Chemical Neuroscience, 2015, 6, 494-504.	3.5	67
12	3D high spectral and spatial resolution imaging of ex vivo mouse brain. Medical Physics, 2015, 42, 1463-1472.	3.0	13
13	Aggrecan is required for growth plate cytoarchitecture and differentiation. Developmental Biology, 2014, 396, 224-236.	2.0	76
14	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
15	Chemistry and Function of Glycosaminoglycans in the Nervous System. Advances in Neurobiology, 2014, 9, 89-115.	1.8	18
16	Chondrodysplasiasâ˜†. , 2014, , .		3
17	The role of aggrecan in embryonic growth plate cytoarchitecture and differentiation: a rescue model (344.6). FASEB Journal, 2014, 28, 344.6.	0.5	0
18	Selecting Improved Peptidyl Motifs for Cytosolic Delivery of Disparate Protein and Nanoparticle Materials. ACS Nano, 2013, 7, 3778-3796.	14.6	124

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19	Proteoglycans: Gene Cloning. Methods in Molecular Biology, 2012, 836, 3-21.	0.9	3
20	The genetic signature of perineuronal oligodendrocytes reveals their unique phenotype. European Journal of Neuroscience, 2011, 34, 1906-1922.	2.6	33
21	Cold preâ€conditioning neuroprotection depends on TNFâ€Î± and is enhanced by blockade of interleukinâ€11. Journal of Neurochemistry, 2011, 117, 187-196.	3.9	51
22	Astrocyte precursor response to embryonic brain injury. Brain Research, 2011, 1389, 35-49.	2.2	22
23	Glial migratory streams in the developing hindbrain: A slice culture approach. Journal of Neuroscience Methods, 2009, 177, 30-43.	2.5	6
24	Aggrecan modulation of growth plate morphogenesis. Developmental Biology, 2009, 329, 242-257.	2.0	65
25	Aggrecan is expressed by embryonic brain glia and regulates astrocyte development. Developmental Biology, 2008, 315, 114-124.	2.0	54
26	Embryonic brain injury: apoptosis, proliferation and glial precursor response. Journal of Neuropathology and Experimental Neurology, 2007, 66, 459.	1.7	1
27	APBP-1, a DNA/RNA-binding Protein, Interacts with the Chick Aggrecan Regulatory Region. Journal of Biological Chemistry, 2005, 280, 35606-35616.	3.4	5
28	Proteoglycans in brain development. Glycoconjugate Journal, 2004, 21, 329-341.	2.7	72
29	NOVOcan: a molecular link among selected glial cells. Biophysical Chemistry, 2004, 108, 245-258.	2.8	0
30	Chondrodysplasias. , 2004, , 502-509.		4
31	Aggrecan regulates telencephalic neuronal aggregation in culture. Developmental Brain Research, 2003, 143, 207-216.	1.7	13
32	Developmental expression of the HNK-1 carbohydrate epitope on aggrecan during chondrogenesis. Developmental Dynamics, 2003, 226, 42-50.	1.8	14
33	Chondrodysplasias due to proteoglycan defects. Glycobiology, 2002, 12, 57R-68R.	2.5	113
34	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
35	Cell specificâ€chondroitin sulfate proteoglycan expression during CNS morphogenesis in the chick embryo. International Journal of Developmental Neuroscience, 2000, 18, 629-641.	1.6	21
36	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

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37	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
38	THE NANOMELIC MUTATION IN THE AGGRECAN GENE IS EXPRESSED IN CHICK CHONDROCYTES AND NEURONS. International Journal of Developmental Neuroscience, 1996, 14, 191-201.	1.6	19
39	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
40	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
41	The Isolation and Characterization of cDNA Encoding the Mouse Bifunctional ATP Sulfurylase-Adenosine 5â€²-Phosphosulfate Kinase. Journal of Biological Chemistry, 1995, 270, 29453-29459.	3.4	86
42	The Biochemically and Immunologically Distinct CSPG of Notochord Is a Product of the Aggrecan Gene. Developmental Biology, 1995, 171, 655-664.	2.0	75
43	Synthesis and Translocation of Gangliosides and Glycoproteins During Urethane Anesthesia. Journal of Neurochemistry, 1988, 50, 1369-1374.	3.9	7
44	Role of Ectosomes in the Design of the Myelinated Axon: Structural Find. SSRN Electronic Journal, 0, , .	0.4	0