

Russell T Matthews

List of Publications by Year in descending order

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12
papers

854
citations

1040056

9
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

1012
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggrecan Glycoforms Contribute to the Molecular Heterogeneity of Perineuronal Nets. <i>Journal of Neuroscience</i> , 2002, 22, 7536-7547.	3.6	295
2	Sensory Deprivation Alters Aggrecan and Perineuronal Net Expression in the Mouse Barrel Cortex. <i>Journal of Neuroscience</i> , 2007, 27, 5405-5413.	3.6	228
3	From barriers to bridges: chondroitin sulfate proteoglycans in neuropathology. <i>Trends in Molecular Medicine</i> , 2006, 12, 488-496.	6.7	94
4	The extracellular matrix molecule brevican is an integral component of the machinery mediating fast synaptic transmission at the calyx of Held. <i>Journal of Physiology</i> , 2015, 593, 4341-4360.	2.9	60
5	Antibody recognizing 4-sulfated chondroitin sulfate proteoglycans restores memory in tauopathy-induced neurodegeneration. <i>Neurobiology of Aging</i> , 2017, 59, 197-209.	3.1	49
6	A Novel Membrane-associated Glycovariant of BEHAB/Brevican Is Up-regulated during Rat Brain Development and in a Rat Model of Invasive Glioma. <i>Journal of Biological Chemistry</i> , 2003, 278, 33239-33247.	3.4	45
7	Neurons and Glia Modify Receptor Protein-tyrosine Phosphatase $\hat{\Gamma}$ (RPTP $\hat{\Gamma}$)/Phosphacan with Cell-specific O-Mannosyl Glycans in the Developing Brain. <i>Journal of Biological Chemistry</i> , 2015, 290, 10256-10273.	3.4	32
8	The protein tyrosine phosphatase RPTP $\hat{\Gamma}$ /phosphacan is critical for perineuronal net structure. <i>Journal of Biological Chemistry</i> , 2020, 295, 955-968.	3.4	14
9	Human brain sialoglycan ligand for CD33, a microglial inhibitory Siglec implicated in Alzheimer's disease. <i>Journal of Biological Chemistry</i> , 2022, 298, 101960.	3.4	13
10	The protein tyrosine phosphatase RPTP $\hat{\Gamma}$ /phosphacan is critical for perineuronal net structure. <i>Journal of Biological Chemistry</i> , 2020, 295, 955-968.	3.4	11
11	The Role of BEHAB/Brevican in the Tumor Microenvironment: Mediating Glioma Cell Invasion and Motility. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1272, 117-132.	1.6	7
12	Reelin Counteracts Chondroitin Sulfate Proteoglycan-Mediated Cortical Dendrite Growth Inhibition. <i>ENeuro</i> , 2020, 7, ENEURO.0168-20.2020.	1.9	6