

Amin Derouiche

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,789
citations

257450

24
h-index

361022

35
g-index

39
all docs

39
docs citations

39
times ranked

3217
citing authors

#	ARTICLE	IF	CITATIONS
1	Perineuronal nets provide a polyanionic, glia-associated form of microenvironment around certain neurons in many parts of the rat brain. <i>Glia</i> , 1993, 8, 183-200.	4.9	324
2	Cortical neurons immunoreactive for the potassium channel Kv3.1b subunit are predominantly surrounded by perineuronal nets presumed as a buffering system for cations. <i>Brain Research</i> , 1999, 842, 15-29.	2.2	294
3	Coincidence of L-glutamate/L-aspartate transporter (GLAST) and glutamine synthetase (GS) immunoreactions in retinal glia: Evidence for coupling of GLAST and GS in transmitter clearance. <i>Journal of Neuroscience Research</i> , 1995, 42, 131-143.	2.9	248
4	Morphology and dynamics of perisynaptic glia. <i>Brain Research Reviews</i> , 2010, 63, 11-25.	9.0	213
5	Structural plasticity of perisynaptic astrocyte processes involves ezrin and metabotropic glutamate receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12915-12919.	7.1	210
6	Peripheral astrocyte processes: Monitoring by selective immunostaining for the actin-binding ERM proteins. <i>Glia</i> , 2001, 36, 330-341.	4.9	171
7	Astroglial processes around identified glutamatergic synapses contain glutamine synthetase: evidence for transmitter degradation. <i>Brain Research</i> , 1991, 552, 346-350.	2.2	167
8	Glutamine Synthetase as an Astrocytic Marker: Its Cell Type and Vesicle Localization. <i>Frontiers in Endocrinology</i> , 2013, 4, 144.	3.5	111
9	Temporal-spatial changes in Sonic Hedgehog expression and signaling reveal different potentials of ventral mesencephalic progenitors to populate distinct ventral midbrain nuclei. <i>Neural Development</i> , 2011, 6, 29.	2.4	106
10	Gray Matter NG2 Cells Display Multiple Ca ²⁺ -Signaling Pathways and Highly Motile Processes. <i>PLoS ONE</i> , 2011, 6, e17575.	2.5	99
11	Ezrin Immunoreactivity Is Associated with Increasing Malignancy of Astrocytic Tumors but Is Absent in Oligodendrogliomas. <i>American Journal of Pathology</i> , 2000, 157, 1785-1793.	3.8	92
12	Identified glial cells in the early postnatal mouse hippocampus display different types of Ca ²⁺ currents. <i>Glia</i> , 1996, 17, 181-194.	4.9	78
13	Origin, maturation, and astroglial transformation of secondary radial glial cells in the developing dentate gyrus. <i>Glia</i> , 2010, 58, 1553-1569.	4.9	74
14	Human embryonic stem cell-derived neurons establish region-specific, long-range projections in the adult brain. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 461-470.	5.4	55
15	Rapid sodium signaling couples glutamate uptake to breakdown of ATP in perivascular astrocyte endfeet. <i>Glia</i> , 2017, 65, 293-308.	4.9	53
16	Astrocytic exocytosis vesicles and glutamate: A high-resolution immunofluorescence study. <i>Glia</i> , 2005, 49, 96-106.	4.9	52
17	The dopamine D2receptor subfamily in rat retina: ultrastructural immunogold and in situ hybridization studies. <i>European Journal of Neuroscience</i> , 1999, 11, 1391-1402.	2.6	51
18	FTY720 Treatment in the Convalescence Period Improves Functional Recovery and Reduces Reactive Astroglia in Photothrombotic Stroke. <i>PLoS ONE</i> , 2013, 8, e70124.	2.5	49

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19	Fine Astrocyte Processes Contain Very Small Mitochondria: Glial Oxidative Capability May Fuel Transmitter Metabolism. <i>Neurochemical Research</i> , 2015, 40, 2402-2413.	3.3	49
20	Studying subcellular detail in fixed astrocytes: dissociation of morphologically intact glial cells (DIMIGs). <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 54.	3.7	38
21	Perspectives for Ezrin and Radixin in Astrocytes: Kinases, Functions and Pathology. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3776.	4.1	37
22	Beyond Polarity: Functional Membrane Domains in Astrocytes and Müller Cells. <i>Neurochemical Research</i> , 2012, 37, 2513-2523.	3.3	32
23	Possible role of the Müller cell in uptake and metabolism of glutamate in the mammalian outer retina. <i>Vision Research</i> , 1996, 36, 3875-3878.	1.4	30
24	Loss of Layer-specific Astrocytic Glutamine Synthetase Immunoreactivity in Slice Cultures of Hippocampus. <i>European Journal of Neuroscience</i> , 1993, 5, 122-127.	2.6	27
25	Glutamine synthetase immunoreactivity in the human hippocampus is lamina-specific. <i>Neuroscience Letters</i> , 1994, 165, 179-182.	2.1	18
26	Anticoagulation with warfarin and rivaroxaban ameliorates experimental autoimmune encephalomyelitis. <i>Journal of Neuroinflammation</i> , 2017, 14, 152.	7.2	18
27	Morphological study of a connexin 43â€GFP reporter mouse highlights glial heterogeneity, amacrine cells, and olfactory ensheathing cells. <i>Journal of Neuroscience Research</i> , 2017, 95, 2182-2194.	2.9	17
28	Ezrin Immunoreactivity Reveals Specific Astrocyte Activation in Cerebral HIV. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 87-96.	1.7	11
29	A practical calibration procedure for fluorescence colocalization at the single organelle level. <i>Journal of Microscopy</i> , 2009, 233, 225-233.	1.8	11
30	Regeneration of axons into the trochlear rootlet after anterior medullary lesions in the rat is specific for ipsilateral IVth nerve motoneurons. <i>Journal of Comparative Neurology</i> , 1994, 341, 340-350.	1.6	10
31	Quantifying Filopodia in Cultured Astrocytes by an Algorithm. <i>Neurochemical Research</i> , 2017, 42, 1795-1809.	3.3	10
32	Coupling of Glutamate Uptake and Degradation in Transmitter Clearance: Anatomical Evidence. , 1997, , 263-282.		8
33	Impact of Melatonin on Zeitgeber Time-Dependent Changes in Cell Proliferation and Apoptosis in the Adult Murine Hypothalamic-Hypophyseal System. <i>Neuroendocrinology</i> , 2015, 102, 311-326.	2.5	7
34	Structural association of glia with the various compartments of neurons. , 2004, , 53-97.		6
35	Topical correlation of increased hippocampal glutamine synthetase immunoreactivity and glutamatergic terminal fields after entorhinal cortex lesion. , 2000, 29, 386-391.		5
36	Rab6A as a Pan-Astrocytic Marker in Mouse and Human Brain, and Comparison with Other Glial Markers (GFAP, GS, Aldh1L1, SOX9). <i>Cells</i> , 2021, 10, 72.	4.1	4

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37	Reelin induces process growth in cultured astrocytes: Implication for glia-synaptic plasticity. Archives Italiennes De Biologie, 2016, 153, 249-54.	0.4	3
38	Unsupervised quantification of tissue immunofluorescence in animal models of multiple sclerosis " Instructions for use. Journal of Neuroscience Methods, 2019, 320, 87-97.	2.5	1
39	Quantifying Compartment-Specific Protein Translocation in Astrocytes by Object-Oriented Image Analysis: Mitochondrial Translocation of PKC δ . Methods in Molecular Biology, 2019, 1938, 169-186.	0.9	0