

Laura Baroncelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/832325/publications.pdf>

Version: 2024-02-01

51
papers

3,587
citations

218592

26
h-index

189801

50
g-index

53
all docs

53
docs citations

53
times ranked

4036
citing authors

#	ARTICLE	IF	CITATIONS
1	Creatine deficiency and heart failure. <i>Heart Failure Reviews</i> , 2022, 27, 1605-1616.	1.7	13
2	The amplitude of fNIRS hemodynamic response in the visual cortex unmasks autistic traits in typically developing children. <i>Translational Psychiatry</i> , 2022, 12, 53.	2.4	5
3	Looking for "fNIRS Signature" in Autism Spectrum: A Systematic Review Starting From Preschoolers. <i>Frontiers in Neuroscience</i> , 2022, 16, 785993.	1.4	9
4	Perturbation of Cortical Excitability in a Conditional Model of PCDH19 Disorder. <i>Cells</i> , 2022, 11, 1939.	1.8	7
5	Glial-fibrillary-acidic-protein (GFAP) biomarker detection in serum-matrix: Functionalization strategies and detection by an ultra-high-frequency surface-acoustic-wave (UHF-SAW) lab-on-chip.. <i>Biosensors and Bioelectronics</i> , 2021, 172, 112774.	5.3	32
6	Neuroplasticity of the visual cortex: in sickness and in health. <i>Experimental Neurology</i> , 2021, 335, 113515.	2.0	31
7	The Role of Preclinical Models in Creatine Transporter Deficiency: Neurobiological Mechanisms, Biomarkers and Therapeutic Development. <i>Genes</i> , 2021, 12, 1123.	1.0	8
8	Visual Cortex Engagement in Retinitis Pigmentosa. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9412.	1.8	5
9	Longitudinal Bottom-Up Proteomics of Serum, Serum Extracellular Vesicles, and Cerebrospinal Fluid Reveals Candidate Biomarkers for Early Detection of Glioblastoma in a Murine Model. <i>Molecules</i> , 2021, 26, 5992.	1.7	8
10	Preservation of Visual Cortex Plasticity in Retinitis Pigmentosa. <i>Neuroscience</i> , 2020, 424, 205-210.	1.1	13
11	Proteomics analysis of serum small extracellular vesicles for the longitudinal study of a glioblastoma multiforme mouse model. <i>Scientific Reports</i> , 2020, 10, 20498.	1.6	13
12	Voluntary Physical Exercise Reduces Motor Dysfunction and Hampers Tumor Cell Proliferation in a Mouse Model of Glioma. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5667.	1.2	9
13	Novel translational phenotypes and biomarkers for creatine transporter deficiency. <i>Brain Communications</i> , 2020, 2, fcaa089.	1.5	14
14	Cyclocreatine treatment ameliorates the cognitive, autistic and epileptic phenotype in a mouse model of Creatine Transporter Deficiency. <i>Scientific Reports</i> , 2020, 10, 18361.	1.6	14
15	Brain mitochondrial proteome alteration driven by creatine deficiency suggests novel therapeutic venues for creatine deficiency syndromes. <i>Neuroscience</i> , 2019, 409, 276-289.	1.1	8
16	p75 Neurotrophin Receptor Activation Regulates the Timing of the Maturation of Cortical Parvalbumin Interneuron Connectivity and Promotes Juvenile-like Plasticity in Adult Visual Cortex. <i>Journal of Neuroscience</i> , 2019, 39, 4489-4510.	1.7	48
17	Inhibition of Semaphorin3A Promotes Ocular Dominance Plasticity in the Adult Rat Visual Cortex. <i>Molecular Neurobiology</i> , 2019, 56, 5987-5997.	1.9	26
18	A Nervous System-Specific Model of Creatine Transporter Deficiency Recapitulates the Cognitive Endophenotype of the Disease: a Longitudinal Study. <i>Scientific Reports</i> , 2019, 9, 62.	1.6	14

#	ARTICLE	IF	CITATIONS
19	Intranasal BDNF administration promotes visual function recovery in adult amblyopic rats. <i>Neuropharmacology</i> , 2019, 145, 114-122.	2.0	15
20	Vascular Function Is Improved After an Environmental Enrichment Program. <i>Hypertension</i> , 2018, 71, 1218-1225.	1.3	18
21	Early impoverished environment delays the maturation of cerebral cortex. <i>Scientific Reports</i> , 2018, 8, 1187.	1.6	27
22	Bacterial Toxins and Targeted Brain Therapy: New Insights from Cytotoxic Necrotizing Factor 1 (CNF1). <i>International Journal of Molecular Sciences</i> , 2018, 19, 1632.	1.8	10
23	Randomized trial on the effects of a combined physical/cognitive training in aged MCI subjects: the Train the Brain study. <i>Scientific Reports</i> , 2017, 7, 39471.	1.6	108
24	Mir-132/212 is required for maturation of binocular matching of orientation preference and depth perception. <i>Nature Communications</i> , 2017, 8, 15488.	5.8	31
25	Early IGF-1 primes visual cortex maturation and accelerates developmental switch between NKCC1 and KCC2 chloride transporters in enriched animals. <i>Neuropharmacology</i> , 2017, 113, 167-177.	2.0	29
26	Progression of motor deficits in glioma-bearing mice: impact of CNF1 therapy at symptomatic stages. <i>Oncotarget</i> , 2017, 8, 23539-23550.	0.8	22
27	A mouse model for creatine transporter deficiency reveals early onset cognitive impairment and neuropathology associated with brain aging. <i>Human Molecular Genetics</i> , 2016, 25, 4186-4200.	1.4	39
28	Electrophysiology of glioma: a Rho GTPase-activating protein reduces tumor growth and spares neuron structure and function. <i>Neuro-Oncology</i> , 2016, 18, 1634-1643.	0.6	21
29	Experience Affects Critical Period Plasticity in the Visual Cortex through an Epigenetic Regulation of Histone Post-Translational Modifications. <i>Journal of Neuroscience</i> , 2016, 36, 3430-3440.	1.7	48
30	Fluoxetine increases plasticity and modulates the proteomic profile in the adult mouse visual cortex. <i>Scientific Reports</i> , 2015, 5, 12517.	1.6	21
31	Early environmental therapy rescues brain development in a mouse model of Down syndrome. <i>Neurobiology of Disease</i> , 2015, 82, 409-419.	2.1	37
32	Fluoxetine in adulthood normalizes GABA release and rescues hippocampal synaptic plasticity and spatial memory in a mouse model of Down Syndrome. <i>Neurobiology of Disease</i> , 2014, 63, 12-19.	2.1	56
33	A novel mouse model of creatine transporter deficiency. <i>F1000Research</i> , 2014, 3, 228.	0.8	42
34	Enriched Early Life Experiences Reduce Adult Anxiety-Like Behavior in Rats: A Role for Insulin-Like Growth Factor 1. <i>Journal of Neuroscience</i> , 2013, 33, 11715-11723.	1.7	102
35	Visual depth perception in normal and deprived rats: Effects of environmental enrichment. <i>Neuroscience</i> , 2013, 236, 313-319.	1.1	25
36	Extracellular matrix inhibits structural and functional plasticity of dendritic spines in the adult visual cortex. <i>Nature Communications</i> , 2013, 4, 1484.	5.8	121

#	ARTICLE	IF	CITATIONS
37	IGF-1 Restores Visual Cortex Plasticity in Adult Life by Reducing Local GABA Levels. <i>Neural Plasticity</i> , 2012, 2012, 1-10.	1.0	51
38	Enriched experience and recovery from amblyopia in adult rats: Impact of motor, social and sensory components. <i>Neuropharmacology</i> , 2012, 62, 2388-2397.	2.0	107
39	A rich environmental experience reactivates visual cortex plasticity in aged rats. <i>Experimental Gerontology</i> , 2012, 47, 337-341.	1.2	41
40	Food restriction enhances visual cortex plasticity in adulthood. <i>Nature Communications</i> , 2011, 2, 320.	5.8	88
41	New Perspectives in Amblyopia Therapy on Adults: A Critical Role for the Excitatory/Inhibitory Balance. <i>Frontiers in Cellular Neuroscience</i> , 2011, 5, 25.	1.8	56
42	Environmental enrichment decreases GABAergic inhibition and improves cognitive abilities, synaptic plasticity, and visual functions in a mouse model of Down syndrome. <i>Frontiers in Cellular Neuroscience</i> , 2011, 5, 29.	1.8	76
43	Brain Plasticity and Disease: A Matter of Inhibition. <i>Neural Plasticity</i> , 2011, 2011, 1-11.	1.0	125
44	Nurturing brain plasticity: impact of environmental enrichment. <i>Cell Death and Differentiation</i> , 2010, 17, 1092-1103.	5.0	249
45	GABAergic inhibition in visual cortical plasticity. <i>Frontiers in Cellular Neuroscience</i> , 2010, 4, 10.	1.8	82
46	Experience-dependent reactivation of ocular dominance plasticity in the adult visual cortex. <i>Experimental Neurology</i> , 2010, 226, 100-109.	2.0	125
47	Massage Accelerates Brain Development and the Maturation of Visual Function. <i>Journal of Neuroscience</i> , 2009, 29, 6042-6051.	1.7	198
48	The Antidepressant Fluoxetine Restores Plasticity in the Adult Visual Cortex. <i>Science</i> , 2008, 320, 385-388.	6.0	814
49	Insulin-Like Growth Factor 1 (IGF-1) Mediates the Effects of Enriched Environment (EE) on Visual Cortical Development. <i>PLoS ONE</i> , 2007, 2, e475.	1.1	98
50	Environmental enrichment in adulthood promotes amblyopia recovery through a reduction of intracortical inhibition. <i>Nature Neuroscience</i> , 2007, 10, 679-681.	7.1	428
51	A novel mouse model of creatine transporter deficiency. <i>F1000Research</i> , 0, 3, 228.	0.8	0