

Maurizio Giustetto

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

7,958
citations

109321
35
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175258
52
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all docs

57
docs citations

57
times ranked

11237
citing authors

#	ARTICLE	IF	CITATIONS
1	Anxiety and Gene Expression Enhancement in Mice Exposed to Glyphosate-Based Herbicide. <i>Toxics</i> , 2022, 10, 226.	3.7	7
2	In vivo magnetic resonance spectroscopy in the brain of <i>Cdkl5</i> null mice reveals a metabolic profile indicative of mitochondrial dysfunctions. <i>Journal of Neurochemistry</i> , 2021, 157, 1253-1269.	3.9	10
3	A GABAB receptor antagonist rescues functional and structural impairments in the perirhinal cortex of a mouse model of CDKL5 deficiency disorder. <i>Neurobiology of Disease</i> , 2021, 153, 105304.	4.4	9
4	JNK signaling provides a novel therapeutic target for Rett syndrome. <i>BMC Biology</i> , 2021, 19, 256.	3.8	6
5	Structural Bases of Atypical Whisker Responses in a Mouse Model of CDKL5 Deficiency Disorder. <i>Neuroscience</i> , 2020, 445, 130-143.	2.3	14
6	Amyloid Beta42 oligomers upregulate the excitatory synapses by potentiating presynaptic release while impairing postsynaptic NMDA receptors. <i>Journal of Physiology</i> , 2020, 598, 2183-2197.	2.9	20
7	Pre- and postnatal exposure to glyphosate-based herbicide causes behavioral and cognitive impairments in adult mice: evidence of cortical and hippocampal dysfunction. <i>Archives of Toxicology</i> , 2020, 94, 1703-1723.	4.2	55
8	p140Cap Regulates GABAergic Synaptogenesis and Development of Hippocampal Inhibitory Circuits. <i>Cerebral Cortex</i> , 2019, 29, 91-105.	2.9	13
9	A rationally designed NRP1-independent superagonist SEMA3A mutant is an effective anticancer agent. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	46
10	Loss of <i>Mecp2</i> Causes Atypical Synaptic and Molecular Plasticity of Parvalbumin-Expressing Interneurons Reflecting Rett Syndrome–Like Sensorimotor Defects. <i>ENeuro</i> , 2018, 5, ENEURO.0086-18.2018.	1.9	36
11	Pharmacological enhancement of mGlu5 receptors rescues behavioral deficits in SHANK3 knock-out mice. <i>Molecular Psychiatry</i> , 2017, 22, 689-702.	7.9	134
12	Homer1b/c clustering is impaired in Phelan-McDermid Syndrome iPSCs derived neurons. <i>Molecular Psychiatry</i> , 2017, 22, 637-637.	7.9	4
13	Effects of Forced Swimming Stress on ERK and Histone H3 Phosphorylation in Limbic Areas of Roman High- and Low-Avoidance Rats. <i>PLoS ONE</i> , 2017, 12, e0170093.	2.5	12
14	Lack of Cdkl5 Disrupts the Organization of Excitatory and Inhibitory Synapses and Parvalbumin Interneurons in the Primary Visual Cortex. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 261.	3.7	59
15	Fasudil treatment in adult reverses behavioural changes and brain ventricular enlargement in Oligophrenin-1 mouse model of intellectual disability. <i>Human Molecular Genetics</i> , 2016, 25, 2314-2323.	2.9	32
16	Dendritic Spine Instability in a Mouse Model of CDKL5 Disorder Is Rescued by Insulin-like Growth Factor 1. <i>Biological Psychiatry</i> , 2016, 80, 302-311.	1.3	106
17	Mapping Pathological Phenotypes in a Mouse Model of CDKL5 Disorder. <i>PLoS ONE</i> , 2014, 9, e91613.	2.5	145
18	Pharmacological reversion of sphingomyelinase-induced dendritic spine anomalies in a Niemann Pick disease type A mouse model. <i>EMBO Molecular Medicine</i> , 2014, 6, 398-413.	6.9	42

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19	Developmental abnormalities of cortical interneurons precede symptoms onset in a mouse model of Rett syndrome. <i>Journal of Neurochemistry</i> , 2014, 131, 115-127.	3.9	44
20	Role of ERK signaling in activity-dependent modifications of histone proteins. <i>Neuropharmacology</i> , 2014, 80, 34-44.	4.1	62
21	p140Cap Regulates Memory and Synaptic Plasticity through Src-Mediated and Citron-N-Mediated Actin Reorganization. <i>Journal of Neuroscience</i> , 2014, 34, 1542-1553.	3.6	54
22	Morphine withdrawal produces ERK-dependent and ERK-independent epigenetic marks in neurons of the nucleus accumbens and lateral septum. <i>Neuropharmacology</i> , 2013, 70, 168-179.	4.1	36
23	Endocytosis of synaptic ADAM10 in neuronal plasticity and Alzheimer's disease. <i>Journal of Clinical Investigation</i> , 2013, 123, 2523-2538.	8.2	96
24	Hippocampal CA1 Pyramidal Neurons of Mecp2 Mutant Mice Show a Dendritic Spine Phenotype Only in the Presymptomatic Stage. <i>Neural Plasticity</i> , 2012, 2012, 1-9.	2.2	37
25	Preclinical research in Rett syndrome: setting the foundation for translational success. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 733-745.	2.4	183
26	Organization of GABAergic Synaptic Circuits in the Rat Ventral Tegmental Area. <i>PLoS ONE</i> , 2012, 7, e46250.	2.5	25
27	Synaptic Pruning by Microglia Is Necessary for Normal Brain Development. <i>Science</i> , 2011, 333, 1456-1458.	12.6	3,138
28	The short-time structural plasticity of dendritic spines is altered in a model of Rett syndrome. <i>Scientific Reports</i> , 2011, 1, 45.	3.3	75
29	Reduced AKT/mTOR signaling and protein synthesis dysregulation in a Rett syndrome animal model. <i>Human Molecular Genetics</i> , 2011, 20, 1182-1196.	2.9	202
30	CBP is required for environmental enrichment-induced neurogenesis and cognitive enhancement. <i>EMBO Journal</i> , 2011, 30, 4287-4298.	7.8	89
31	A Postsynaptic Signaling Pathway that May Account for the Cognitive Defect Due to IL1RAPL1 Mutation. <i>Current Biology</i> , 2010, 20, 103-115.	3.9	106
32	Learning, AMPA receptor mobility and synaptic plasticity depend on n-cofilin-mediated actin dynamics. <i>EMBO Journal</i> , 2010, 29, 1889-1902.	7.8	195
33	Synaptic determinants of Rett syndrome. <i>Frontiers in Synaptic Neuroscience</i> , 2010, 2, 28.	2.5	47
34	Blocking ADAM10 synaptic trafficking generates a model of sporadic Alzheimer's disease. <i>Brain</i> , 2010, 133, 3323-3335.	7.6	71
35	Neuronal JNK pathway activation by IL-1 is mediated through IL1RAPL1, a protein required for development of cognitive functions. <i>Communicative and Integrative Biology</i> , 2010, 3, 245-247.	1.4	32
36	Early Environmental Enrichment Moderates the Behavioral and Synaptic Phenotype of MeCP2 Null Mice. <i>Biological Psychiatry</i> , 2010, 67, 657-665.	1.3	189

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37	ERK activation in axonal varicosities modulates presynaptic plasticity in the CA3 region of the hippocampus through synapsin I. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9872-9877.	7.1	55
38	Ras-Guanine Nucleotide-Releasing Factor 1 (Ras-GRF1) Controls Activation of Extracellular Signal-Regulated Kinase (ERK) Signaling in the Striatum and Long-Term Behavioral Responses to Cocaine. Biological Psychiatry, 2009, 66, 758-768.	1.3	96
39	Synaptic Vesicle Docking: Sphingosine Regulates Syntaxin1 Interaction with Munc18. PLoS ONE, 2009, 4, e5310.	2.5	56
40	Visual Stimulation Activates ERK in Synaptic and Somatic Compartments of Rat Cortical Neurons with Parallel Kinetics. PLoS ONE, 2007, 2, e604.	2.5	47
41	Profilin2 contributes to synaptic vesicle exocytosis, neuronal excitability, and novelty-seeking behavior. EMBO Journal, 2007, 26, 2991-3002.	7.8	122
42	A Neuronal Isoform of CPEB Regulates Local Protein Synthesis and Stabilizes Synapse-Specific Long-Term Facilitation in Aplysia. Cell, 2003, 115, 893-904.	28.9	390
43	Axonal transport of eukaryotic translation elongation factor 1 \hat{A} mRNA couples transcription in the nucleus to long-term facilitation at the synapse. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13680-13685.	7.1	78
44	Integration of Long-Term-Memory-Related Synaptic Plasticity Involves Bidirectional Regulation of Gene Expression and Chromatin Structure. Cell, 2002, 111, 483-493.	28.9	466
45	Is Heterosynaptic modulation essential for stabilizing hebbian plasticity and memory. Nature Reviews Neuroscience, 2000, 1, 11-20.	10.2	369
46	A novel function for serotonin-mediated short-term facilitation in Aplysia: Conversion of a transient, cell-wide homosynaptic Hebbian plasticity into a persistent, protein synthesis-independent synapse-specific enhancement. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11581-11586.	7.1	52
47	Enhancement of Memory-Related Long-Term Facilitation by ApAF, a Novel Transcription Factor that Acts Downstream from Both CREB1 and CREB2. Cell, 2000, 103, 595-608.	28.9	64
48	Postsynaptic Colocalization of Gephyrin and GABAA Receptors. Annals of the New York Academy of Sciences, 1999, 868, 693-696.	3.8	12
49	Immunocytochemical localization of glutamate and γ -aminobutyric acid in the accessory olfactory bulb of the rat. , 1999, 408, 61-72.		33
50	A Transient, Neuron-Wide Form of CREB-Mediated Long-Term Facilitation Can Be Stabilized at Specific Synapses by Local Protein Synthesis. Cell, 1999, 99, 221-237.	28.9	471
51	Localization of the clustering protein gephyrin at GABAergic synapses in the main olfactory bulb of the rat. , 1998, 395, 231-244.		74
52	Glutamate receptors in the olfactory bulb synaptic circuitry: heterogeneity and synaptic localization of N-methyl-D-aspartate receptor subunit 1 and \pm -amino-3-hydroxy-5-methyl-4-isoxazolepropionate receptor subunit 1. Neuroscience, 1996, 76, 787-798.	2.3	36
53	Presynaptic colocalization of carnosine and glutamate in olfactory neurones. NeuroReport, 1993, 5, 7-10.	1.2	80