

Maurizio Giustetto

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

7,958
citations

109137

35
h-index

174990

52
g-index

57
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.	1.6	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.	2.1	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.	2.1	9
4	JNK signaling provides a novel therapeutic target for Rett syndrome. <i>BMC Biology</i> , 2021, 19, 256.	1.7	6
5	Structural Bases of Atypical Whisker Responses in a Mouse Model of CDKL5 Deficiency Disorder. <i>Neuroscience</i> , 2020, 445, 130-143.	1.1	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.	1.3	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.	1.9	55
8	p140Cap Regulates GABAergic Synaptogenesis and Development of Hippocampal Inhibitory Circuits. <i>Cerebral Cortex</i> , 2019, 29, 91-105.	1.6	13
9	A rationally designed NRP1-independent superagonist SEMA3A mutant is an effective anticancer agent. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	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.	0.9	36
11	Pharmacological enhancement of mGlu5 receptors rescues behavioral deficits in SHANK3 knock-out mice. <i>Molecular Psychiatry</i> , 2017, 22, 689-702.	4.1	134
12	Homer1b/c clustering is impaired in Phelan-McDermid Syndrome iPSCs derived neurons. <i>Molecular Psychiatry</i> , 2017, 22, 637-637.	4.1	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.	1.1	12
14	Lack of <i>Cdkl5</i> 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.	1.8	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.	1.4	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.	0.7	106
17	Mapping Pathological Phenotypes in a Mouse Model of CDKL5 Disorder. <i>PLoS ONE</i> , 2014, 9, e91613.	1.1	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.	3.3	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.	2.1	44
20	Role of ERK signaling in activity-dependent modifications of histone proteins. <i>Neuropharmacology</i> , 2014, 80, 34-44.	2.0	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.	1.7	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.	2.0	36
23	Endocytosis of synaptic ADAM10 in neuronal plasticity and Alzheimer's disease. <i>Journal of Clinical Investigation</i> , 2013, 123, 2523-2538.	3.9	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.	1.0	37
25	Preclinical research in Rett syndrome: setting the foundation for translational success. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 733-745.	1.2	183
26	Organization of GABAergic Synaptic Circuits in the Rat Ventral Tegmental Area. <i>PLoS ONE</i> , 2012, 7, e46250.	1.1	25
27	Synaptic Pruning by Microglia Is Necessary for Normal Brain Development. <i>Science</i> , 2011, 333, 1456-1458.	6.0	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.	1.6	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.	1.4	202
30	CBP is required for environmental enrichment-induced neurogenesis and cognitive enhancement. <i>EMBO Journal</i> , 2011, 30, 4287-4298.	3.5	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.	1.8	106
32	Learning, AMPA receptor mobility and synaptic plasticity depend on n-cofilin-mediated actin dynamics. <i>EMBO Journal</i> , 2010, 29, 1889-1902.	3.5	195
33	Synaptic determinants of Rett syndrome. <i>Frontiers in Synaptic Neuroscience</i> , 2010, 2, 28.	1.3	47
34	Blocking ADAM10 synaptic trafficking generates a model of sporadic Alzheimer's disease. <i>Brain</i> , 2010, 133, 3323-3335.	3.7	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.	0.6	32
36	Early Environmental Enrichment Moderates the Behavioral and Synaptic Phenotype of MeCP2 Null Mice. <i>Biological Psychiatry</i> , 2010, 67, 657-665.	0.7	189

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37	ERK activation in axonal varicosities modulates presynaptic plasticity in the CA3 region of the hippocampus through synapsin I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9872-9877.	3.3	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. <i>Biological Psychiatry</i> , 2009, 66, 758-768.	0.7	96
39	Synaptic Vesicle Docking: Sphingosine Regulates Syntaxin1 Interaction with Munc18. <i>PLoS ONE</i> , 2009, 4, e5310.	1.1	56
40	Visual Stimulation Activates ERK in Synaptic and Somatic Compartments of Rat Cortical Neurons with Parallel Kinetics. <i>PLoS ONE</i> , 2007, 2, e604.	1.1	47
41	Profilin2 contributes to synaptic vesicle exocytosis, neuronal excitability, and novelty-seeking behavior. <i>EMBO Journal</i> , 2007, 26, 2991-3002.	3.5	122
42	A Neuronal Isoform of CPEB Regulates Local Protein Synthesis and Stabilizes Synapse-Specific Long-Term Facilitation in Aplysia. <i>Cell</i> , 2003, 115, 893-904.	13.5	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13680-13685.	3.3	78
44	Integration of Long-Term-Memory-Related Synaptic Plasticity Involves Bidirectional Regulation of Gene Expression and Chromatin Structure. <i>Cell</i> , 2002, 111, 483-493.	13.5	466
45	Is Heterosynaptic modulation essential for stabilizing hebbian plasticity and memory. <i>Nature Reviews Neuroscience</i> , 2000, 1, 11-20.	4.9	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 11581-11586.	3.3	52
47	Enhancement of Memory-Related Long-Term Facilitation by ApAF, a Novel Transcription Factor that Acts Downstream from Both CREB1 and CREB2. <i>Cell</i> , 2000, 103, 595-608.	13.5	64
48	Postsynaptic Colocalization of Gephyrin and GABA _A Receptors. <i>Annals of the New York Academy of Sciences</i> , 1999, 868, 693-696.	1.8	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. <i>Cell</i> , 1999, 99, 221-237.	13.5	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 \hat{L} -amino-3-hydroxy-5-methyl-4-isoxazolepropionate receptor subunit 1. <i>Neuroscience</i> , 1996, 76, 787-798.	1.1	36
53	Presynaptic colocalization of carnosine and glutamate in olfactory neurones. <i>NeuroReport</i> , 1993, 5, 7-10.	0.6	80