

# 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	Synaptic Pruning by Microglia Is Necessary for Normal Brain Development. <i>Science</i> , 2011, 333, 1456-1458.	6.0	3,138
2	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
3	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
4	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
5	Is Heterosynaptic modulation essential for stabilizing hebbian plasticity and memory. <i>Nature Reviews Neuroscience</i> , 2000, 1, 11-20.	4.9	369
6	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
7	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
8	Early Environmental Enrichment Moderates the Behavioral and Synaptic Phenotype of MeCP2 Null Mice. <i>Biological Psychiatry</i> , 2010, 67, 657-665.	0.7	189
9	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
10	Mapping Pathological Phenotypes in a Mouse Model of CDKL5 Disorder. <i>PLoS ONE</i> , 2014, 9, e91613.	1.1	145
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	Profilin2 contributes to synaptic vesicle exocytosis, neuronal excitability, and novelty-seeking behavior. <i>EMBO Journal</i> , 2007, 26, 2991-3002.	3.5	122
13	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
14	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
15	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
16	Endocytosis of synaptic ADAM10 in neuronal plasticity and Alzheimer's disease. <i>Journal of Clinical Investigation</i> , 2013, 123, 2523-2538.	3.9	96
17	CBP is required for environmental enrichment-induced neurogenesis and cognitive enhancement. <i>EMBO Journal</i> , 2011, 30, 4287-4298.	3.5	89
18	Presynaptic colocalization of carnosine and glutamate in olfactory neurones. <i>NeuroReport</i> , 1993, 5, 7-10.	0.6	80

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19	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
20	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
21	Localization of the clustering protein gephyrin at GABAergic synapses in the main olfactory bulb of the rat. , 1998, 395, 231-244.		74
22	Blocking ADAM10 synaptic trafficking generates a model of sporadic Alzheimer's disease. <i>Brain</i> , 2010, 133, 3323-3335.	3.7	71
23	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
24	Role of ERK signaling in activity-dependent modifications of histone proteins. <i>Neuropharmacology</i> , 2014, 80, 34-44.	2.0	62
25	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.	1.8	59
26	Synaptic Vesicle Docking: Sphingosine Regulates Syntaxin1 Interaction with Munc18. <i>PLoS ONE</i> , 2009, 4, e5310.	1.1	56
27	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
28	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
29	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
30	A novel function for serotonin-mediated short-term facilitation in <i>Aplysia</i> : 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
31	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
32	Synaptic determinants of Rett syndrome. <i>Frontiers in Synaptic Neuroscience</i> , 2010, 2, 28.	1.3	47
33	A rationally designed NRP1-independent superagonist SEMA3A mutant is an effective anticancer agent. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	46
34	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
35	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
36	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

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37	Glutamate receptors in the olfactory bulb synaptic circuitry: heterogeneity and synaptic localization of N -methyl- d -aspartate receptor subunit 1 and Î±-amino-3-hydroxy-5-methyl-4-isoxazolepropionate receptor subunit 1. <i>Neuroscience</i> , 1996, 76, 787-798.	1.1	36
38	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
39	Loss of <i>Mecp2</i> Causes Atypical Synaptic and Molecular Plasticity of Parvalbumin-Expressing Interneurons Reflecting Rett Syndromeâ€™Like Sensorimotor Defects. <i>ENeuro</i> , 2018, 5, ENEURO.0086-18.2018.	0.9	36
40	Immunocytochemical localization of glutamate and Î³-aminobutyric acid in the accessory olfactory bulb of the rat. , 1999, 408, 61-72.		33
41	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
42	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
43	Organization of GABAergic Synaptic Circuits in the Rat Ventral Tegmental Area. <i>PLoS ONE</i> , 2012, 7, e46250.	1.1	25
44	Amyloid Beta42 oligomers upâ€™regulate the excitatory synapses by potentiating presynaptic release while impairing postsynaptic NMDA receptors. <i>Journal of Physiology</i> , 2020, 598, 2183-2197.	1.3	20
45	Structural Bases of Atypical Whisker Responses in a Mouse Model of CDKL5 Deficiency Disorder. <i>Neuroscience</i> , 2020, 445, 130-143.	1.1	14
46	p140Cap Regulates GABAergic Synaptogenesis and Development of Hippocampal Inhibitory Circuits. <i>Cerebral Cortex</i> , 2019, 29, 91-105.	1.6	13
47	Postsynaptic Colocalization of Gephyrin and GABAA Receptors. <i>Annals of the New York Academy of Sciences</i> , 1999, 868, 693-696.	1.8	12
48	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
49	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
50	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
51	Anxiety and Gene Expression Enhancement in Mice Exposed to Glyphosate-Based Herbicide. <i>Toxics</i> , 2022, 10, 226.	1.6	7
52	JNK signaling provides a novel therapeutic target for Rett syndrome. <i>BMC Biology</i> , 2021, 19, 256.	1.7	6
53	Homer1b/c clustering is impaired in Phelan-McDermid Syndrome iPSCs derived neurons. <i>Molecular Psychiatry</i> , 2017, 22, 637-637.	4.1	4