Giuseppe Battaglia

List of Publications by Year
in descending order

181 papers	9,150 citations	30070 54 h-index	51608 86 g-index
185 all docs	185 docs citations	185 times ranked	10274 citing authors

#	Article	IF	Citations
1	Parkinson-like syndrome induced by continuous MPTP infusion: Convergent roles of the ubiquitin-proteasome system and Â-synuclein. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3413-3418.	7.1	480
2	Double-knockout mice for Â- and Â-synucleins: Effect on synaptic functions. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14966-14971.	7.1	392
3	Metabotropic Glutamate Receptor Subtypes as Targets for Neuroprotective Drugs. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 1013-1033.	4.3	297
4	Metabotropic glutamate receptors in the basal ganglia motor circuit. Nature Reviews Neuroscience, 2005, 6, 787-798.	10.2	297
5	<scp>L</scp> -acetylcarnitine causes rapid antidepressant effects through the epigenetic induction of mGlu2 receptors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4804-4809.	7.1	228
6	(â˜)-PHCCC, a positive allosteric modulator of mGluR4: characterization, mechanism of action, and neuroprotection. Neuropharmacology, 2003, 45, 895-906.	4.1	206
7	The Use of Knock-Out Mice Unravels Distinct Roles for mGlu2 and mGlu3 Metabotropic Glutamate Receptors in Mechanisms of Neurodegeneration/Neuroprotection. Journal of Neuroscience, 2007, 27, 8297-8308.	3.6	182
8	In vivo inhibition of veratridine-evoked release of striatal excitatory amino acids by the group II metabotropic glutamate receptor agonist LY354740 in rats. Neuroscience Letters, 1997, 229, 161-164.	2.1	150
9	Metabotropic glutamate receptor-4 modulates adaptive immunity and restrains neuroinflammation. Nature Medicine, 2010, 16, 897-902.	30.7	138
10	Selective Blockade of mGlu5 Metabotropic Glutamate Receptors Is Protective against Methamphetamine Neurotoxicity. Journal of Neuroscience, 2002, 22, 2135-2141.	3.6	134
11	Induction of Dickkopf-1, a Negative Modulator of the Wnt Pathway, Is Required for the Development of Ischemic Neuronal Death. Journal of Neuroscience, 2005, 25, 2647-2657.	3.6	127
12	Endogenous activation of metabotropic glutamate receptors supports the proliferation and survival of neural progenitor cells. Cell Death and Differentiation, 2005, 12, 1124-1133.	11.2	124
13	Endogenous Activation of mGlu5 Metabotropic Glutamate Receptors Contributes to the Development of Nigro-Striatal Damage Induced by 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine in Mice. Journal of Neuroscience, 2004, 24, 828-835.	3.6	113
14	Targeting Group II Metabotropic Glutamate (mGlu) Receptors for the Treatment of Psychosis Associated with Alzheimer's Disease: Selective Activation of mGlu2 Receptors Amplifies Î²-Amyloid Toxicity in Cultured Neurons, Whereas Dual Activation of mGlu2 and mGlu3 Receptors Is Neuroprotective. Molecular Pharmacology, 2011, 79, 618-626.	2.3	111
15	Methamphetamine produces neuronal inclusions in the nigrostriatal system and in PC12 cells. Journal of Neurochemistry, 2004, 88, 114-123.	3.9	110
16	Protective effect of the metabotropic glutamate receptor agonist, DCG-IV, against excitotoxic neuronal death. European Journal of Pharmacology, 1994, 256, 109-112.	3.5	109
17	Activation of Metabotropic Glutamate Receptors Prevents Neuronal Apoptosis in Culture. Journal of Neurochemistry, 1995, 64, 101-108.	3.9	109
18	Pharmacological Activation of mGlu4 Metabotropic Glutamate Receptors Reduces Nigrostriatal Degeneration in Mice Treated with 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine. Journal of Neuroscience, 2006, 26, 7222-7229.	3.6	108

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19	Induction of the Wnt Antagonist, Dickkopf-1, Contributes to the Development of Neuronal Death in Models of Brain Focal Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 264-276.	4.3	108
20	Microtubule Alterations Occur Early in Experimental Parkinsonism and The Microtubule Stabilizer Epothilone D Is Neuroprotective. Scientific Reports, 2013, 3, 1837.	3.3	103
21	Pharmacological blockade of group II metabotropic glutamate receptors reduces the growth of glioma cells in vivo. Neuro-Oncology, 2005, 7, 236-245.	1.2	100
22	TGF-Î²1 Pathway as a New Target for Neuroprotection in Alzheimer's Disease. CNS Neuroscience and Therapeutics, 2011, 17, 237-249.	3.9	96
23	Dysfunction of TGF-Î²1 signaling in Alzheimerâ€™s disease: perspectives for neuroprotection. Cell and Tissue Research, 2012, 347, 291-301.	2.9	96
24	Selective Blockade of Type-1 Metabotropic Glutamate Receptors Induces Neuroprotection by Enhancing Gabaergic Transmission. Molecular and Cellular Neurosciences, 2001, 17, 1071-1083.	2.2	92
25	Induction of the Wnt Inhibitor, Dickkopf-1, Is Associated with Neurodegeneration Related to Temporal Lobe Epilepsy. Epilepsia, 2007, 48, 694-705.	5.1	91
26	Xanthurenic Acid Activates mGlu2/3 Metabotropic Glutamate Receptors and is a Potential Trait Marker for Schizophrenia. Scientific Reports, 2016, 5, 17799.	3.3	91
27	Novel Benzo[<i>b</i>]thiophene Derivatives as New Potential Antidepressants with Rapid Onset of Action. Journal of Medicinal Chemistry, 2011, 54, 3086-3090.	6.4	85
28	Metabotropic glutamate receptors as drug targets: what's new?. Current Opinion in Pharmacology, 2015, 20, 89-94.	3.5	83
29	Transcriptional regulation of type-2 metabotropic glutamate receptors: an epigenetic path to novel treatments for chronic pain. Trends in Pharmacological Sciences, 2010, 31, 153-160.	8.7	80
30	Activation of Group III Metabotropic Glutamate Receptors Inhibits the Production of RANTES in Glial Cell Cultures. Journal of Neuroscience, 2002, 22, 5403-5411.	3.6	79
31	Functional partnership between mGlu3 and mGlu5 metabotropic glutamate receptors in the central nervous system. Neuropharmacology, 2018, 128, 301-313.	4.1	79
32	Pharmacological blockade of mGlu2/3 metabotropic glutamate receptors reduces cell proliferation in cultured human glioma cells. Journal of Neurochemistry, 2003, 84, 1288-1295.	3.9	78
33	Fingolimod protects cultured cortical neurons against excitotoxic death. Pharmacological Research, 2013, 67, 1-9.	7.1	77
34	Striatal metabotropic glutamate receptor function following experimental parkinsonism and chronic levodopa treatment. Brain, 2002, 125, 2635-2645.	7.6	76
35	Neuroprotective Activity of Metabotropic Glutamate Receptor Ligands. Advances in Experimental Medicine and Biology, 2003, 513, 197-223.	1.6	75
36	Expression of metabotropic glutamate receptors in murine thymocytes and thymic stromal cells. Journal of Neuroimmunology, 2000, 109, 112-120.	2.3	74

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37	TGF-Î²1 protects against AÎ²-neurotoxicity via the phosphatidylinositol-3-kinase pathway. Neurobiology of Disease, 2008, 30, 234-242.	4.4	74
38	Pharmacological Activation of mGlu4 Metabotropic Glutamate Receptors Inhibits the Growth of Medulloblastomas. Journal of Neuroscience, 2006, 26, 8388-8397.	3.6	73
39	Changes in mGlu5 Receptor-Dependent Synaptic Plasticity and Coupling to Homer Proteins in the Hippocampus of Ube3A Hemizygous Mice Modeling Angelman Syndrome. Journal of Neuroscience, 2014, 34, 4558-4566.	3.6	73
40	Simultaneous submicrometric 3D imaging of the micro-vascular network and the neuronal system in a mouse spinal cord. Scientific Reports, 2015, 5, 8514.	3.3	73
41	Tic disorders: from pathophysiology to treatment. Journal of Neurology, 2006, 253, 1-15.	3.6	67
42	Cinnabarinic Acid, an Endogenous Metabolite of the Kynurenine Pathway, Activates Type 4 Metabotropic Glutamate Receptors. Molecular Pharmacology, 2012, 81, 643-656.	2.3	67
43	Metabotropic glutamate receptors in neurodegeneration/neuroprotection: Still a hot topic?. Neurochemistry International, 2012, 61, 559-565.	3.8	66
44	Group III and subtype 4 metabotropic glutamate receptor agonists: Discovery and pathophysiological applications in Parkinson's disease. Neuropharmacology, 2013, 66, 53-64.	4.1	66
45	PHCCC, a Specific Enhancer of Type 4 Metabotropic Glutamate Receptors, Reduces Proliferation and Promotes Differentiation of Cerebellar Granule Cell Neuroprecursors. Journal of Neuroscience, 2004, 24, 10343-10352.	3.6	65
46	Early defect of transforming growth factor Î²1 formation in Huntingtonâ€™s disease. Journal of Cellular and Molecular Medicine, 2011, 15, 555-571.	3.6	64
47	Cinnabarinic acid and xanthurenic acid: Two kynurenine metabolites that interact with metabotropic glutamate receptors. Neuropharmacology, 2017, 112, 365-372.	4.1	63
48	An activity-dependent switch from facilitation to inhibition in the control of excitotoxicity by group I metabotropic glutamate receptors. European Journal of Neuroscience, 2001, 13, 1469-1478.	2.6	62
49	The impact of metabotropic glutamate receptors into active neurodegenerative processes: A â€œdark sideâ€• in the development of new symptomatic treatments for neurologic and psychiatric disorders. Neuropharmacology, 2017, 115, 180-192.	4.1	62
50	Protective role of group-II metabotropic glutamate receptors against nigro-striatal degeneration induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in mice. Neuropharmacology, 2003, 45, 155-166.	4.1	60
51	Pharmacological enhancement of mGlu1 metabotropic glutamate receptors causes a prolonged symptomatic benefit in a mouse model of spinocerebellar ataxia type 1. Molecular Brain, 2013, 6, 48.	2.6	59
52	Transglutaminase 2 ablation leads to defective function of mitochondrial respiratory complex I affecting neuronal vulnerability in experimental models of extrapyramidal disorders. Journal of Neurochemistry, 2007, 100, 36-49.	3.9	57
53	Induction of the Wnt Antagonist Dickkopf-1 Is Involved in Stress-Induced Hippocampal Damage. PLoS ONE, 2011, 6, e16447.	2.5	56
54	Erratic expression of DNA polymerases by Î²â€amyloid causes neuronal death. FASEB Journal, 2002, 16, 2006-2008.	0.5	55

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55	The Wnt Antagonist, Dickkopf-1, as a Target for the Treatment of Neurodegenerative Disorders. Neurochemical Research, 2008, 33, 2401-2406.	3.3	55
56	Insulin Secretion Is Controlled by mGlu5 Metabotropic Glutamate Receptors. Molecular Pharmacology, 2006, 69, 1234-1241.	2.3	54
57	Endogenous activation of group-II metabotropic glutamate receptors inhibits the hypothalamicâ€"pituitaryâ€"adrenocortical axis. Neuropharmacology, 2003, 44, 555-561.	4.1	53
58	The preferential mGlu2/3 receptor antagonist, LY341495, reduces the frequency of spikeâ€"wave discharges in the WAG/Rij rat model of absence epilepsy. Neuropharmacology, 2005, 49, 89-103.	4.1	53
59	Type-3 metabotropic glutamate receptors regulate chemoresistance in glioma stem cells, and their levels are inversely related to survival in patients with malignant gliomas. Cell Death and Differentiation, 2013, 20, 396-407.	11.2	53
60	Different clinical and evolutional patterns in late idiopathic and vascular parkinsonism. Journal of Neurology, 2005, 252, 1045-1049.	3.6	51
61	Endogenous activation of mGlu5 metabotropic glutamate receptors supports self-renewal of cultured mouse embryonic stem cells. Neuropharmacology, 2005, 49, 196-205.	4.1	51
62	Synthesis, pharmacokinetics and anticonvulsant activity of 7-chlorokynurenic acid prodrugs. International Journal of Pharmaceutics, 2000, 202, 79-88.	5.2	50
63	Positive allosteric modulation of metabotropic glutamate 4 (mGlu4) receptors enhances spontaneous and evoked absence seizures. Neuropharmacology, 2008, 54, 344-354.	4.1	50
64	Presynaptic mGlu1 and mGlu5 autoreceptors facilitate glutamate exocytosis from mouse cortical nerve endings. Neuropharmacology, 2008, 55, 474-482.	4.1	49
65	The HIV-1 Viral Protein Tat Increases Glutamate and Decreases GABA Exocytosis from Human and Mouse Neocortical Nerve Endings. Cerebral Cortex, 2010, 20, 1974-1984.	2.9	49
66	The histone methyltransferase EZH2 as a druggable target in SHH medulloblastoma cancer stem cells. Oncotarget, 2017, 8, 68557-68570.	1.8	49
67	Defective group-II metaboropic glutamate receptors in the hippocampus of spontaneously depressed rats. Neuropharmacology, 2008, 55, 525-531.	4.1	48
68	Activation of mGlu3 Receptors Stimulates the Production of GDNF in Striatal Neurons. PLoS ONE, 2009, 4, e6591.	2.5	48
69	Optical control of pain in vivo with a photoactive mGlu5 receptor negative allosteric modulator. ELife, 2017, 6, .	6.0	48
70	Interaction between ephrins/Eph receptors and excitatory amino acid receptors: possible relevance in the regulation of synaptic plasticity and in the pathophysiology of neuronal degeneration. Journal of Neurochemistry, 2006, 98, 1-10.	3.9	46
71	Similarities between Methamphetamine Toxicity and Proteasome Inhibition. Annals of the New York Academy of Sciences, 2004, 1025, 162-170.	3.8	45
72	Enhanced Tau Phosphorylation in the Hippocampus of Mice Treated with 3,4-Methylenedioxymethamphetamine (â€œEcstasyâ€). Journal of Neuroscience, 2008, 28, 3234-3245.	3.6	45

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73	Regulation of Group II Metabotropic Glutamate Receptors by G Protein-Coupled Receptor Kinases: mGlu2 Receptors Are Resistant to Homologous Desensitization. Molecular Pharmacology, 2009, 75, 991-1003.	2.3	45
74	Selective activation of group-II metabotropic glutamate receptors is protective against excitotoxic neuronal death. European Journal of Pharmacology, 1998, 356, 271-274.	3.5	44
75	Monomeric ÃŸ-amyloid interacts with type-1 insulin-like growth factor receptors to provide energy supply to neurons. Frontiers in Cellular Neuroscience, 2015, 9, 297.	3.7	44
76	Metabotropic glutamate receptors in the thalamocortical network: Strategic targets for the treatment of absence epilepsy. Epilepsia, 2011, 52, 1211-1222.	5.1	43
77	Activation of mGlu2/3 Metabotropic Glutamate Receptors Negatively Regulates the Stimulation of Inositol Phospholipid Hydrolysis Mediated by 5-Hydroxytryptamine_{2A} Serotonin Receptors in the Frontal Cortex of Living Mice. Molecular Pharmacology, 2009, 76, 379-387.	2.3	42
78	N-Acetyl-Cysteine Causes Analgesia by Reinforcing the Endogenous Activation of Type-2 Metabotropic Glutamate Receptors. Molecular Pain, 2012, 8, 1744-8069-8-77.	2.1	42
79	Antidepressant activity of fingolimod in mice. Pharmacology Research and Perspectives, 2015, 3, e00135.	2.4	42
80	Activation of mGlu3 metabotropic glutamate receptors enhances GDNF and GLT-1 formation in the spinal cord and rescues motor neurons in the SOD-1 mouse model of amyotrophic lateral sclerosis. Neurobiology of Disease, 2015, 74, 126-136.	4.4	41
81	Dose-dependent protective effects of apomorphine against methamphetamine-induced nigrostriatal damage. Brain Research, 2001, 898, 27-35.	2.2	40
82	Type-3 metabotropic glutamate receptors negatively modulate bone morphogenetic protein receptor signaling and support the tumourigenic potential of glioma-initiating cells. Neuropharmacology, 2008, 55, 568-576.	4.1	40
83	Switch in the expression of mGlu1 and mGlu5 metabotropic glutamate receptors in the cerebellum of mice developing experimental autoimmune encephalomyelitis and in autoptic cerebellar samples from patients with multiple sclerosis. Neuropharmacology, 2008, 55, 491-499.	4.1	40
84	Quantitative 3D investigation of Neuronal network in mouse spinal cord model. Scientific Reports, 2017, 7, 41054.	3.3	40
85	Optimizing levodopa pharmacokinetics in Parkinson?s disease: the role of COMT inhibitor. Neurological Sciences, 2003, 24, 217-218.	1.9	39
86	Metabotropic glutamate receptors: new targets for the control of tumor growth?. Trends in Pharmacological Sciences, 2007, 28, 206-213.	8.7	39
87	Time-course and doseâ€“response study on the effects of chronic l-DOPA administration on striatal dopamine levels and dopamine transporter following MPTP toxicity. Brain Research, 2000, 887, 110-117.	2.2	38
88	Targeting mGlu Receptors for Optimization of Antipsychotic Activity and Disease-Modifying Effect in Schizophrenia. Frontiers in Psychiatry, 2019, 10, 49.	2.6	38
89	Protective role for type-1 metabotropic glutamate receptors against spike and wave discharges in the WAG/Rij rat model of absence epilepsy. Neuropharmacology, 2011, 60, 1281-1291.	4.1	36
90	Protective Role for Type 4 Metabotropic Glutamate Receptors against Ischemic Brain Damage. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1107-1118.	4.3	33

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91	Vasorelaxing Action of the Kynurenine Metabolite, Xanthurenic Acid: The Missing Link in Endotoxin-Induced Hypotension?. Frontiers in Pharmacology, 2017, 8, 214.	3.5	33
92	d-Aspartate activates mGlu receptors coupled to polyphosphoinositide hydrolysis in neonate rat brain slices. Neuroscience Letters, 2010, 478, 128-130.	2.1	32
93	Metabotropic glutamate receptors and neuroadaptation to antidepressants: imipramine-induced down-regulation of Î²-adrenergic receptors in mice treated with metabotropic glutamate 2/3 receptor ligands. Journal of Neurochemistry, 2005, 93, 1345-1352.	3.9	31
94	A prolonged pharmacological blockade of type-5 metabotropic glutamate receptors protects cultured spinal cord motor neurons against excitotoxic death. Neurobiology of Disease, 2011, 42, 252-264.	4.4	31
95	Estrogen Receptors and Type 1 Metabotropic Glutamate Receptors Are Interdependent in Protecting Cortical Neurons against Î²-Amyloid Toxicity. Molecular Pharmacology, 2012, 81, 12-20.	2.3	31
96	Brain Nerve Growth Factor Unbalance Induced by Anabolic Androgenic Steroids in Rats. Medicine and Science in Sports and Exercise, 2013, 45, 29-35.	0.4	31
97	The Role of Macrophage Migration Inhibitory Factor in Alzheimerâ€²s Disease: Conventionally Pathogenetic or Unconventionally Protective?. Molecules, 2020, 25, 291.	3.8	31
98	Group II Metabotropic Glutamate Receptors Regulate the Vulnerability to Hypoxic Brain Damage. Journal of Neuroscience, 2003, 23, 6023-6029.	3.6	30
99	Selective blockade of mGlu5 metabotropic glutamate receptors is protective against acetaminophen hepatotoxicity in mice. Journal of Hepatology, 2003, 38, 179-187.	3.7	29
100	Nicergoline, a drug used for age-dependent cognitive impairment, protects cultured neurons against Î²-amyloid toxicity. Brain Research, 2005, 1047, 30-37.	2.2	29
101	Metabotropic glutamate receptors: Beyond the regulation of synaptic transmission. Psychoneuroendocrinology, 2007, 32, S40-S45.	2.7	29
102	N-Acetyl-Cysteine, a Drug that Enhances the Endogenous Activation of Group-II Metabotropic Glutamate Receptors, Inhibits Nociceptive Transmission in Humans. Molecular Pain, 2015, 11, s12990-015-0009.	2.1	29
103	Progenitor cells from the adult mouse brain acquire a neuronal phenotype in response to Î²-amyloid. Neurobiology of Aging, 2006, 27, 606-613.	3.1	28
104	Analgesic Effect of a Single Preoperative Dose of the Antibiotic Ceftriaxone in Humans. Journal of Pain, 2013, 14, 604-612.	1.4	28
105	Glutamate receptor mGlu2 and mGlu3 knockout striata are dopamine supersensitive, with elevated D2^{High} receptors and marked supersensitivity to the dopamine agonist (+)PHNO. Synapse, 2009, 63, 247-251.	1.2	27
106	Synchrotron-Generated Microbeam Sensorimotor Cortex Transections Induce Seizure Control without Disruption of Neurological Functions. PLoS ONE, 2013, 8, e53549.	2.5	27
107	Chapter 14 Metabotropic glutamate receptors and neurodegeneration. Progress in Brain Research, 1998, 116, 209-221.	1.4	26
108	The advent of monoclonal antibodies in the treatment of chronic autoimmune diseases. Neurological Sciences, 2011, 31, 283-288.	1.9	26

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109	Changes of peripheral TGF-Î²1 depend on monocytes-derived macrophages in Huntington disease. Molecular Brain, 2013, 6, 55.	2.6	26
110	Dickkopf-3 Upregulates VEGF in Cultured Human Endothelial Cells by Activating Activin Receptor-Like Kinase 1 (ALK1) Pathway. Frontiers in Pharmacology, 2017, 8, 111.	3.5	26
111	Alpha-1B adrenergic receptor knockout mice are protected against methamphetamine toxicity. Journal of Neurochemistry, 2004, 86, 413-421.	3.9	23
112	Synergism between fluoxetine and the mGlu2/3 receptor agonist, LY379268, in an in vitro model for antidepressant drug-induced neurogenesis. Neuropharmacology, 2008, 54, 428-437.	4.1	23
113	Targeting type-2 metabotropic glutamate receptors to protect vulnerable hippocampal neurons against ischemic damage. Molecular Brain, 2015, 8, 66.	2.6	22
114	Metabotropic glutamate receptor involvement in the pathophysiology of amyotrophic lateral sclerosis: new potential drug targets for therapeutic applications. Current Opinion in Pharmacology, 2018, 38, 65-71.	3.5	22
115	Protective action of idebenone against excitotoxic degeneration in cultured cortical neurons. Neuroscience Letters, 1994, 178, 193-196.	2.1	21
116	Analgesia induced by the epigenetic drug, L-acetylcarnitine, outlasts the end of treatment in mouse models of chronic inflammatory and neuropathic pain. Molecular Pain, 2017, 13, 174480691769700.	2.1	21
117	Micro-imaging of Brain Cancer Radiation Therapy Using Phase-contrast Computed Tomography. International Journal of Radiation Oncology Biology Physics, 2018, 101, 965-984.	0.8	21
118	Memantine treatment reduces the expression of the K+/Clâˆ’ cotransporter KCC2 in the hippocampus and cerebral cortex, and attenuates behavioural responses mediated by GABAA receptor activation in mice. Brain Research, 2009, 1265, 75-79.	2.2	20
119	The Trace Kynurenine, Cinnabarinic Acid, Displays Potent Antipsychotic-Like Activity in Mice and Its Levels Are Reduced in the Prefrontal Cortex of Individuals Affected by Schizophrenia. Schizophrenia Bulletin, 2020, 46, 1471-1481.	4.3	20
120	Some Metabotropic Glutamate Receptor Ligands Reduce Kynurenate Synthesis in Rats by Intracellular Inhibition of Kynurenine Aminotransferase II. Journal of Neurochemistry, 2002, 75, 2051-2060.	3.9	19
121	Mouse hepatocytes lacking mGlu5 metabotropic glutamate receptors are less sensitive to hypoxic damage. European Journal of Pharmacology, 2004, 497, 25-27.	3.5	19
122	Exposure to predator odor and resulting anxiety enhances the expression of the Î±₂Î´ subunit of voltageâ€sensitive calcium channels in the amygdala. Journal of Neurochemistry, 2013, 125, 649-656.	3.9	19
123	Enhanced mGlu5-receptor dependent long-term depression at the Schaffer collateral-CA1 synapse of congenitally learned helpless rats. Neuropharmacology, 2013, 66, 339-347.	4.1	19
124	Metabotropic glutamate receptors regulate differentiation of embryonic stem cells into GABAergic neurons. Cell Death and Differentiation, 2008, 15, 700-707.	11.2	18
125	Stabbing headache in patients with autoimmune disorders. Clinical Neurology and Neurosurgery, 2012, 114, 751-753.	1.4	18
126	5-HT2C serotonin receptor blockade prevents tau protein hyperphosphorylation and corrects the defect in hippocampal synaptic plasticity caused by a combination of environmental stressors in mice. Pharmacological Research, 2015, 99, 258-268.	7.1	18

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127	Acid-sensing ion channel 1a is required for mGlu receptor dependent long-term depression in the hippocampus. Pharmacological Research, 2017, 119, 12-19.	7.1	18
128	Interaction between Ephrins and mGlu5 Metabotropic Glutamate Receptors in the Induction of Long-Term Synaptic Depression in the Hippocampus. Journal of Neuroscience, 2010, 30, 2835-2843.	3.6	17
129	Immunoâ€pharmacological characterization of group II metabotropic glutamate receptors controlling glutamate exocytosis in mouse cortex and spinal cord. British Journal of Pharmacology, 2017, 174, 4785-4796.	5.4	17
130	Acid sensing ion channel 2: A new potential player in the pathophysiology of multiple sclerosis. European Journal of Neuroscience, 2019, 49, 1233-1243.	2.6	17
131	5-HT2A receptor-dependent phosphorylation of mGlu2 receptor at Serine 843 promotes mGlu2 receptor-operated Gi/o signaling. Molecular Psychiatry, 2019, 24, 1610-1626.	7.9	17
132	The Î±2Î´ Subunit and Absence Epilepsy: Beyond Calcium Channels?. Current Neuropharmacology, 2017, 15, 918-925.	2.9	17
133	mGlu1 Receptor-Induced LTD of NMDA Receptor Transmission Selectively at Schaffer Collateral-CA1 Synapses Mediates Metaplasticity. Journal of Neuroscience, 2014, 34, 12223-12229.	3.6	16
134	The Dichotomic Role of Macrophage Migration Inhibitory Factor in Neurodegeneration. International Journal of Molecular Sciences, 2020, 21, 3023.	4.1	15
135	N-Acetylcysteine causes analgesia in a mouse model of painful diabetic neuropathy. Molecular Pain, 2020, 16, 174480692090429.	2.1	14
136	Protection by Apomorphine in Two Independent Models of Acute Inhibition of Oxidative Metabolism in Rodents. Clinical and Experimental Hypertension, 2006, 28, 387-394.	1.3	13
137	Lack or Inhibition of Dopaminergic Stimulation Induces a Development Increase of Striatal Tyrosine Hydroxylase-Positive Interneurons. PLoS ONE, 2012, 7, e44025.	2.5	13
138	Constitutively active group I mGlu receptors and PKMzeta regulate synaptic transmission in developing perirhinal cortex. Neuropharmacology, 2013, 66, 143-150.	4.1	13
139	Permissive role for mGlu1 metabotropic glutamate receptors in excitotoxic retinal degeneration. Neuroscience, 2017, 363, 142-149.	2.3	13
140	Dickkopf-3 Causes Neuroprotection by Inducing Vascular Endothelial Growth Factor. Frontiers in Cellular Neuroscience, 2018, 12, 292.	3.7	13
141	Reduced activity of cortico-striatal fibres in the R6/2 mouse model of Huntington's disease. NeuroReport, 2007, 18, 1997-2000.	1.2	12
142	Pharmacological activation of mGlu2/3 metabotropic glutamate receptors protects retinal neurons against anoxic damage in the goldfish Carassius auratus. Experimental Eye Research, 2007, 84, 544-552.	2.6	12
143	Brain Overexpression of Uncoupling Protein-2 (UCP2) Delays Renal Damage and Stroke Occurrence in Stroke-Prone Spontaneously Hypertensive Rats. International Journal of Molecular Sciences, 2020, 21, 4289.	4.1	12
144	Exploratory Analysis of iPSCS-Derived Neuronal Cells as Predictors of Diagnosis and Treatment of Alzheimer Disease. Brain Sciences, 2020, 10, 166.	2.3	12

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145	Role of 2-Arachidonoyl-Glycerol and CB1 Receptors in Orexin-A-Mediated Prevention of Oxygenâ€“Glucose Deprivation-Induced Neuronal Injury. Cells, 2020, 9, 1507.	4.1	12
146	In Vivo Non-radioactive Assessment of mGlu5 Receptor-Activated Polyphosphoinositide Hydrolysis in Response to Systemic Administration of a Positive Allosteric Modulator. Frontiers in Pharmacology, 2018, 9, 804.	3.5	11
147	Abnormal Hippocampal Melatoninergic System: A Potential Link between Absence Epilepsy and Depression-Like Behavior in WAG/Rij Rats?. International Journal of Molecular Sciences, 2018, 19, 1973.	4.1	11
148	Genetic deletion of mGlu2 metabotropic glutamate receptors improves the short-term outcome of cerebral transient focal ischemia. Molecular Brain, 2017, 10, 39.	2.6	10
149	Targeting mGlu5 Metabotropic Glutamate Receptors in the Treatment of Cognitive Dysfunction in a Mouse Model of Phenylketonuria. Frontiers in Neuroscience, 2018, 12, 154.	2.8	10
150	Dual Effect of 17Î²-Estradiol on NMDA-Induced Neuronal Death: Involvement of Metabotropic Glutamate Receptor 1. Endocrinology, 2012, 153, 5940-5948.	2.8	9
151	Early Life Stress Causes Refractoriness to Haloperidol-Induced Catalepsy. Molecular Pharmacology, 2013, 84, 244-251.	2.3	9
152	Microradiosurgical cortical transections generated by synchrotron radiation. Physica Medica, 2015, 31, 642-646.	0.7	9
153	Upregulation of Tolerogenic Pathways by the Hydrogen Sulfide Donor GYY4137 and Impaired Expression of H2S-Producing Enzymes in Multiple Sclerosis. Antioxidants, 2020, 9, 608.	5.1	9
154	Alterations in the Î±₂Î´ ligand, thrombospondinâ€1, in a rat model of spontaneous absence epilepsy and in patients with idiopathic/genetic generalized epilepsies. Epilepsia, 2017, 58, 1993-2001.	5.1	8
155	Behavioural and biochemical responses to methamphetamine are differentially regulated by mGlu2 and mGlu3 metabotropic glutamate receptors in male mice. Neuropharmacology, 2021, 196, 108692.	4.1	8
156	A Progressive Build-up of Perineuronal Nets in the Somatosensory Cortex Is Associated with the Development of Chronic Pain in Mice. Journal of Neuroscience, 2022, 42, 3037-3048.	3.6	8
157	GABAergic drugs become neurotoxic in cortical neurons pre-exposed to brain-derived neurotrophic factor. Molecular and Cellular Neurosciences, 2008, 37, 312-322.	2.2	7
158	Expression of the K + /Cl â^’ cotransporter, KCC2, in cerebellar Purkinje cells is regulated by group-I metabotropic glutamate receptors. Neuropharmacology, 2017, 115, 51-59.	4.1	7
159	Synchrotron-generated microbeams induce hippocampal transections in rats. Scientific Reports, 2018, 8, 184.	3.3	7
160	Metabotropic Glutamate Receptors and Neurodegeneration. , 2004, , 79-102.		7
161	Effects of Repeated Low Doses of MDMA on EEG Activity and Fluoro-Jade B Histochemistry. Annals of the New York Academy of Sciences, 2004, 1025, 181-188.	3.8	6
162	Enhanced expression of Harvey ras induced by serum deprivation in cultured astrocytes. Journal of Neurochemistry, 2008, 106, 551-559.	3.9	6

#	Article	IF	Citations
163	Changes in the expression of genes encoding for mGlu4 and mGlu5 receptors and other regulators of the indirect pathway in acute mouse models of drug-induced parkinsonism. Neuropharmacology, 2015, 95, 50-58.	4.1	6
164	Rat sensorimotor cortex tolerance to parallel transections induced by synchrotron-generated X-ray microbeams. Scientific Reports, 2017, 7, 14290.	3.3	6
165	mGlu1 Receptors Monopolize the Synaptic Control of Cerebellar Purkinje Cells by Epigenetically Down-Regulating mGlu5 Receptors. Scientific Reports, 2018, 8, 13361.	3.3	6
166	Developmental abnormalities in cortical GABAergic system in mice lacking mGlu3 metabotropic glutamate receptors. FASEB Journal, 2019, 33, 14204-14220.	0.5	5
167	Perineuronal nets are under the control of type-5 metabotropic glutamate receptors in the developing somatosensory cortex. Translational Psychiatry, 2021, 11, 109.	4.8	5
168	Genetic Deletion of mGlu3 Metabotropic Glutamate Receptors Amplifies Ischemic Brain Damage and Associated Neuroinflammation in Mice. Frontiers in Neurology, 2021, 12, 668877.	2.4	5
169	The conditioned eyeblink reflex: a potential tool for the detection of cerebellar dysfunction in multiple sclerosis. Multiple Sclerosis Journal, 2011, 17, 1155-1161.	3.0	4
170	Type-1, but Not Type-5, Metabotropic Glutamate Receptors are Coupled to Polyphosphoinositide Hydrolysis in the Retina. Neurochemical Research, 2016, 41, 924-932.	3.3	4
171	Type-7 metabotropic glutamate receptors negatively regulate Î±1-adrenergic receptor signalling. Neuropharmacology, 2017, 113, 343-353.	4.1	4
172	Dopamine Stimulation via Infusion in the Lateral Ventricle. Annals of the New York Academy of Sciences, 2006, 1074, 337-343.	3.8	3
173	Maternal stress programs accelerated aging of the basal ganglia motor system in offspring. Neurobiology of Stress, 2020, 13, 100265.	4.0	3
174	Transcriptomic Analysis Reveals Abnormal Expression of Prion Disease Gene Pathway in Brains from Patients with Autism Spectrum Disorders. Brain Sciences, 2020, 10, 200.	2.3	2
175	Mechanical Allodynia Assessment in a Murine Neuropathic Pain Model. Bio-protocol, 2018, 8, e2671.	0.4	2
176	Analgesic Activity of Cinnabarinic Acid in Models of Inflammatory and Neuropathic Pain. Frontiers in Molecular Neuroscience, 2022, 15, .	2.9	2
177	Bilateral benign blepharoclonus. Clinical Neurology and Neurosurgery, 2009, 111, 480-481.	1.4	1
178	Developmental up-regulation of NMDA receptors in the prefrontal cortex and hippocampus of mGlu5 receptor knock-out mice. Molecular Brain, 2021, 14, 77.	2.6	1
179	Repeated episodes of transient reduction of oxygen exposure simulating aircraft cabin conditions enhance resilience to stress in mice. European Journal of Neuroscience, 2021, 54, 7109-7124.	2.6	0
180	New Radiosurgical Paradigms to Treat Epilepsy Using Synchrotron Radiation. , 2015, , 231-236.		0

#	Article	IF	Citations
181	Synergic action of L-acetylcarnitine and L-methylfolate in Mouse Models of Stress-Related Disorders and Human iPSC-Derived Dopaminergic Neurons. Frontiers in Pharmacology, 0, 13, .	3.5	0