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List of Publications by Year in descending order

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57
papers

3,533
citations

172386

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all docs

62
docs citations

62
times ranked

4851
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid-acting antidepressants and the regulation of TrkB neurotrophic signalling—Insights from ketamine, nitrous oxide, seizures and anaesthesia. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, 129, 95-103.	1.2	4
2	Tianeptine induces expression of dual specificity phosphatases and evokes rebound emergence of cortical slow wave electrophysiological activity. <i>Neuroscience Letters</i> , 2021, 764, 136200.	1.0	0
3	A wake-up call: Sleep physiology and related translational discrepancies in studies of rapid-acting antidepressants. <i>Progress in Neurobiology</i> , 2021, 206, 102140.	2.8	6
4	ADHD-like behaviors caused by inactivation of a transcription factor controlling the balance of inhibitory and excitatory neuron development in the mouse anterior brainstem. <i>Translational Psychiatry</i> , 2020, 10, 357.	2.4	15
5	A comprehensive p75 neurotrophin receptor gene network and pathway analyses identifying new target genes. <i>Scientific Reports</i> , 2020, 10, 14984.	1.6	10
6	Encoding, Consolidation, and Renormalization in Depression: Synaptic Homeostasis, Plasticity, and Sleep Integrate Rapid Antidepressant Effects. <i>Pharmacological Reviews</i> , 2020, 72, 439-465.	7.1	28
7	Lack of antidepressant effects of burst-suppressing isoflurane anesthesia in adult male Wistar outbred rats subjected to chronic mild stress. <i>PLoS ONE</i> , 2020, 15, e0235046.	1.1	6
8	Digital autoradiography for efficient functional imaging without anesthesia in experimental animals: Reversing phencyclidine-induced functional alterations using clozapine. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 100, 109887.	2.5	3
9	Ketamine induces rapid and sustained antidepressant-like effects in chronic pain induced depression: Role of MAPK signaling pathway. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 100, 109898.	2.5	36
10	Ketamine-induced regulation of TrkB-GSK3 β signaling is accompanied by slow EEG oscillations and sedation but is independent of hydroxynorketamine metabolites. <i>Neuropharmacology</i> , 2019, 157, 107684.	2.0	18
11	Commentary: Commonly Used Anesthesia/Euthanasia Methods for Brain Collection Differentially Impact MAPK Activity in Male and Female C57BL/6 Mice. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 219.	1.8	2
12	Depression and antidepressant action—from molecules to networks. <i>Cell and Tissue Research</i> , 2019, 377, 1-4.	1.5	4
13	Dose-dependent effects of isoflurane on TrkB and GSK3 β signaling: Importance of burst suppression pattern. <i>Neuroscience Letters</i> , 2019, 694, 29-33.	1.0	10
14	Searching for ketamine's antidepressant mechanisms: From synaptic plasticity to dentate gyrus cell proliferation. <i>Acta Physiologica</i> , 2019, 225, e13252.	1.8	5
15	TrkB neurotrophin receptor at the core of antidepressant effects, but how?. <i>Cell and Tissue Research</i> , 2019, 377, 115-124.	1.5	30
16	Cortical Excitability and Activation of TrkB Signaling During Rebound Slow Oscillations Are Critical for Rapid Antidepressant Responses. <i>Molecular Neurobiology</i> , 2019, 56, 4163-4174.	1.9	35
17	Improving Group Work Practices in Teaching Life Sciences: Triological Learning. <i>Research in Science Education</i> , 2019, 49, 809-828.	1.4	2
18	Sleep-State Dependent Alterations in Brain Functional Connectivity under Urethane Anesthesia in a Rat Model of Early-Stage Parkinson's Disease. <i>ENeuro</i> , 2019, 6, ENEURO.0456-18.2019.	0.9	9

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19	Dual mechanism of TRKB activation by anandamide through CB1 and TRPV1 receptors. PeerJ, 2019, 7, e6493.	0.9	16
20	P11 promoter methylation predicts the antidepressant effect of electroconvulsive therapy. Translational Psychiatry, 2018, 8, 25.	2.4	32
21	Dyskinesia and brain-derived neurotrophic factor levels after long-term levodopa and nicotinic receptor agonist treatments in female mice with near-total unilateral dopaminergic denervation. BMC Neuroscience, 2018, 19, 77.	0.8	6
22	Combined ipsilateral limb use score as an index of motor deficits and neurorestoration in parkinsonian rats. Journal of Neuroscience Research, 2017, 95, 1858-1870.	1.3	9
23	Modulation of BDNF cleavage by plasminogen-activator inhibitor-1 contributes to Alzheimer's neuropathology and cognitive deficits. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 991-1001.	1.8	69
24	Brief isoflurane anesthesia regulates striatal AKT-GSK3 β signaling and ameliorates motor deficits in a rat model of early-stage Parkinson's disease. Journal of Neurochemistry, 2017, 142, 456-463.	2.1	22
25	Isoflurane produces antidepressant effects and induces TrkB signaling in rodents. Scientific Reports, 2017, 7, 7811.	1.6	70
26	Repeated brief isoflurane anesthesia during early postnatal development produces negligible changes on adult behavior in male mice. PLoS ONE, 2017, 12, e0175258.	1.1	20
27	Brief Isoflurane Anesthesia Produces Prominent Phosphoproteomic Changes in the Adult Mouse Hippocampus. ACS Chemical Neuroscience, 2016, 7, 749-756.	1.7	39
28	Antidepressant drug action " From rapid changes on network function to network rewiring. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 64, 285-292.	2.5	36
29	NCAM-deficient mice show prominent abnormalities in serotonergic and BDNF systems in brain " Restoration by chronic amitriptyline. European Neuropsychopharmacology, 2015, 25, 2394-2403.	0.3	7
30	Nimodipine Activates TrkB Neurotrophin Receptors and Induces Neuroplastic and Neuroprotective Signaling Events in the Mouse Hippocampus and Prefrontal Cortex. Cellular and Molecular Neurobiology, 2015, 35, 189-196.	1.7	26
31	Distinctive behavioral and cellular responses to fluoxetine in the mouse model for Fragile X syndrome. Frontiers in Cellular Neuroscience, 2014, 8, 150.	1.8	32
32	Utilization of in situ ELISA method for examining Trk receptor phosphorylation in cultured cells. Journal of Neuroscience Methods, 2014, 222, 142-146.	1.3	17
33	VGF (TLQP-62)-induced neurogenesis targets early phase neural progenitor cells in the adult hippocampus and requires glutamate and BDNF signaling. Stem Cell Research, 2014, 12, 762-777.	0.3	62
34	The Impact of Bdnf Gene Deficiency to the Memory Impairment and Brain Pathology of APP ^{swe} /PS1 ^{dE9} Mouse Model of Alzheimer's Disease. PLoS ONE, 2013, 8, e68722.	1.1	55
35	Impaired TrkB receptor signaling contributes to memory impairment in APP/PS1 mice. Neurobiology of Aging, 2012, 33, 1122.e23-1122.e39.	1.5	81
36	The antidepressant-like effects of glutamatergic drugs ketamine and AMPA receptor potentiator LY 451646 are preserved in bdnf+/- heterozygous null mice. Neuropharmacology, 2012, 62, 391-397.	2.0	89

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37	Sleep homeostasis and depression: Studies with the rat clomipramine model of depression. <i>Neuroscience</i> , 2012, 212, 149-158.	1.1	24
38	The Responsiveness of TrkB to BDNF and Antidepressant Drugs Is Differentially Regulated during Mouse Development. <i>PLoS ONE</i> , 2012, 7, e32869.	1.1	37
39	Alterations in BDNF and phospho-CREB levels following chronic oral nicotine treatment and its withdrawal in dopaminergic brain areas of mice. <i>Neuroscience Letters</i> , 2011, 491, 108-112.	1.0	47
40	Acetylcholinesterase inhibitors rapidly activate Trk neurotrophin receptors in the mouse hippocampus. <i>Neuropharmacology</i> , 2011, 61, 1291-1296.	2.0	45
41	Antidepressant Drugs Transactivate TrkB Neurotrophin Receptors in the Adult Rodent Brain Independently of BDNF and Monoamine Transporter Blockade. <i>PLoS ONE</i> , 2011, 6, e20567.	1.1	110
42	A role for BDNF/TrkB signaling in behavioral and physiological consequences of social defeat stress. <i>Genes, Brain and Behavior</i> , 2011, 10, 424-433.	1.1	66
43	BDNF and TrkB in neuronal differentiation of Fmr1-knockout mouse. <i>Neurobiology of Disease</i> , 2011, 41, 469-480.	2.1	81
44	Regulation of Brain-Derived Neurotrophic Factor (BDNF) and Cerebral Dopamine Neurotrophic Factor (CDNF) by Anti-Parkinsonian Drug Therapy In Vivo. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 361-368.	1.7	42
45	Darkness Reduces BDNF Expression in the Visual Cortex and Induces Repressive Chromatin Remodeling at the BDNF Gene in Both Hippocampus and Visual Cortex. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 1117-1123.	1.7	50
46	The role of BDNF and its receptors in depression and antidepressant drug action: Reactivation of developmental plasticity. <i>Developmental Neurobiology</i> , 2010, 70, 289-297.	1.5	725
47	Effects of Maternal Smoking and Exposure to Methylmercury on Brain-Derived Neurotrophic Factor Concentrations in Umbilical Cord Serum. <i>Toxicological Sciences</i> , 2010, 117, 263-269.	1.4	25
48	Role of Brain-Derived Neurotrophic Factor in the Aetiology of Depression. <i>CNS Drugs</i> , 2010, 24, 1-7.	2.7	100
49	Brain-Derived Neurotrophic Factor Controls Activity-Dependent Maturation of CA1 Synapses by Downregulating Tonic Activation of Presynaptic Kainate Receptors. <i>Journal of Neuroscience</i> , 2009, 29, 11294-11303.	1.7	37
50	Cholesterol Loss Enhances TrkB Signaling in Hippocampal Neurons Aging in Vitro. <i>Molecular Biology of the Cell</i> , 2008, 19, 2101-2112.	0.9	89
51	Targeting TrkB neurotrophin receptor to treat depression. <i>Expert Opinion on Therapeutic Targets</i> , 2008, 12, 705-715.	1.5	34
52	Neurotrophins in Depression and Antidepressant Effects. <i>Novartis Foundation Symposium</i> , 2008, 289, 43-59.	1.2	53
53	Role of neurotrophic factors in depression. <i>Current Opinion in Pharmacology</i> , 2007, 7, 18-21.	1.7	610
54	Pharmacologically Diverse Antidepressants Rapidly Activate Brain-Derived Neurotrophic Factor Receptor TrkB and Induce Phospholipase-C β Signaling Pathways in Mouse Brain. <i>Neuropsychopharmacology</i> , 2007, 32, 2152-2162.	2.8	277

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55	Rapid Activation of the Extracellular Signal-Regulated Kinase 1/2 (ERK1/2) Signaling Pathway by Electroconvulsive Shock in the Rat Prefrontal Cortex Is Not Associated with TrkB Neurotrophin Receptor Activation. <i>Cellular and Molecular Neurobiology</i> , 2007, 27, 585-594.	1.7	17
56	The effects of acute and long-term lithium treatments on trkB neurotrophin receptor activation in the mouse hippocampus and anterior cingulate cortex. <i>Neuropharmacology</i> , 2006, 50, 421-427.	2.0	38
57	Enhanced BDNF Signaling is Associated with an Antidepressant-like Behavioral Response and Changes in Brain Monoamines. <i>Cellular and Molecular Neurobiology</i> , 2005, 25, 973-980.	1.7	112