

Kenji Hashimoto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

610
papers

24,347
citations

75
h-index

125
g-index

654
ext. papers

28,480
ext. citations

4.7
avg. IF

7.78
L-index

#	Paper	IF	Citations
610	Nervous system involvement after infection with COVID-19 and other coronaviruses. <i>Brain, Behavior, and Immunity</i> , 2020 , 87, 18-22	16.6	967
609	Alterations of serum levels of brain-derived neurotrophic factor (BDNF) in depressed patients with or without antidepressants. <i>Biological Psychiatry</i> , 2003 , 54, 70-5	7.9	887
608	Vicarious traumatization in the general public, members, and non-members of medical teams aiding in COVID-19 control. <i>Brain, Behavior, and Immunity</i> , 2020 , 88, 916-919	16.6	483
607	Increased levels of glutamate in brains from patients with mood disorders. <i>Biological Psychiatry</i> , 2007 , 62, 1310-6	7.9	452
606	Decreased serum levels of D-serine in patients with schizophrenia: evidence in support of the N-methyl-D-aspartate receptor hypofunction hypothesis of schizophrenia. <i>Archives of General Psychiatry</i> , 2003 , 60, 572-6		409
605	Critical role of brain-derived neurotrophic factor in mood disorders. <i>Brain Research Reviews</i> , 2004 , 45, 104-14		373
604	Immune activation during pregnancy in mice leads to dopaminergic hyperfunction and cognitive impairment in the offspring: a neurodevelopmental animal model of schizophrenia. <i>Biological Psychiatry</i> , 2006 , 59, 546-54	7.9	362
603	Emerging role of glutamate in the pathophysiology of major depressive disorder. <i>Brain Research Reviews</i> , 2009 , 61, 105-23		297
602	Brain-derived neurotrophic factor as a biomarker for mood disorders: an historical overview and future directions. <i>Psychiatry and Clinical Neurosciences</i> , 2010 , 64, 341-57	6.2	281
601	Ethnic difference of the BDNF 196G/A (val66met) polymorphism frequencies: the possibility to explain ethnic mental traits. <i>American Journal of Medical Genetics Part A</i> , 2004 , 126B, 122-3		254
600	Brain-derived Neurotrophic Factor (BDNF)-TrkB Signaling in Inflammation-related Depression and Potential Therapeutic Targets. <i>Current Neuropharmacology</i> , 2016 , 14, 721-31	7.6	216
599	R (-)-ketamine shows greater potency and longer lasting antidepressant effects than S (+)-ketamine. <i>Pharmacology Biochemistry and Behavior</i> , 2014 , 116, 137-41	3.9	206
598	Reduced D-serine to total serine ratio in the cerebrospinal fluid of drug naive schizophrenic patients. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2005 , 29, 767-9	5.5	195
597	Interactions of selective serotonin reuptake inhibitors with subtypes of sigma receptors in rat brain. <i>European Journal of Pharmacology</i> , 1996 , 307, 117-9	5.3	190
596	Decreased serum levels of mature brain-derived neurotrophic factor (BDNF), but not its precursor proBDNF, in patients with major depressive disorder. <i>PLoS ONE</i> , 2012 , 7, e42676	3.7	187
595	Current status of potential therapeutic candidates for the COVID-19 crisis. <i>Brain, Behavior, and Immunity</i> , 2020 , 87, 59-73	16.6	163
594	Glutamate modulators as potential therapeutic drugs in schizophrenia and affective disorders. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2013 , 263, 367-77	5.1	160

593	Antidepressant effects of TrkB ligands on depression-like behavior and dendritic changes in mice after inflammation. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 18,	5.8	156
592	Negative correlation between brain glutathione level and negative symptoms in schizophrenia: a 3T 1H-MRS study. <i>PLoS ONE</i> , 2008 , 3, e1944	3.7	154
591	Increased serum levels of glutamate in adult patients with autism. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2006 , 30, 1472-7	5.5	151
590	Knowledge and attitudes of medical staff in Chinese psychiatric hospitals regarding COVID-19. <i>Brain, Behavior, & Immunity - Health</i> , 2020 , 4, 100064	5.1	147
589	Fabp7 maps to a quantitative trait locus for a schizophrenia endophenotype. <i>PLoS Biology</i> , 2007 , 5, e2979.7		147
588	Rapid-acting antidepressant ketamine, its metabolites and other candidates: A historical overview and future perspective. <i>Psychiatry and Clinical Neurosciences</i> , 2019 , 73, 613-627	6.2	143
587	D-Serine and a glycine transporter inhibitor improve MK-801-induced cognitive deficits in a novel object recognition test in rats. <i>Behavioural Brain Research</i> , 2008 , 186, 78-83	3.4	141
586	Sigma-1 receptor chaperone and brain-derived neurotrophic factor: emerging links between cardiovascular disease and depression. <i>Progress in Neurobiology</i> , 2013 , 100, 15-29	10.9	140
585	Effects of antidepressants on alternations in serum cytokines and depressive-like behavior in mice after lipopolysaccharide administration. <i>Pharmacology Biochemistry and Behavior</i> , 2013 , 103, 853-9	3.9	137
584	Antidepressant Potential of (-)-Ketamine in Rodent Models: Comparison with (-)-Ketamine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 361, 9-16	4.7	136
583	NMDA- and beta-amyloid1-42-induced neurotoxicity is attenuated in serine racemase knock-out mice. <i>Journal of Neuroscience</i> , 2008 , 28, 14486-91	6.6	136
582	Serum interleukin-6 is a predictive biomarker for ketamine's antidepressant effect in treatment-resistant patients with major depression. <i>Biological Psychiatry</i> , 2015 , 77, e19-e20	7.9	131
581	Identification of multiple serine racemase (SRR) mRNA isoforms and genetic analyses of SRR and DAO in schizophrenia and D-serine levels. <i>Biological Psychiatry</i> , 2005 , 57, 1493-503	7.9	131
580	Decreased levels of serum brain-derived neurotrophic factor in female patients with eating disorders. <i>Biological Psychiatry</i> , 2003 , 54, 485-90	7.9	128
579	Mechanistic Target of Rapamycin-Independent Antidepressant Effects of (R)-Ketamine in a Social Defeat Stress Model. <i>Biological Psychiatry</i> , 2018 , 83, 18-28	7.9	124
578	Comparison of ketamine, 7,8-dihydroxyflavone, and ANA-12 antidepressant effects in the social defeat stress model of depression. <i>Psychopharmacology</i> , 2015 , 232, 4325-35	4.7	123
577	Enhanced carbonyl stress in a subpopulation of schizophrenia. <i>Archives of General Psychiatry</i> , 2010 , 67, 589-97		121
576	Serum brain-derived neurotrophic factor (BDNF) levels in schizophrenia are indistinguishable from controls. <i>Neuroscience Letters</i> , 2003 , 351, 111-4	3.3	121

575	Alteration of plasma glutamate and glutamine levels in children with high-functioning autism. <i>PLoS ONE</i> , 2011 , 6, e25340	3.7	117
574	Protective effects of minocycline on behavioral changes and neurotoxicity in mice after administration of methamphetamine. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2006 , 30, 1381-93	5.5	117
573	Possible role of the gut microbiota-brain axis in the antidepressant effects of (R)-ketamine in a social defeat stress model. <i>Translational Psychiatry</i> , 2017 , 7, 1294	8.6	116
572	Sigma receptor ligands: possible application as therapeutic drugs and as radiopharmaceuticals. <i>Current Pharmaceutical Design</i> , 2006 , 12, 3857-76	3.3	115
571	Phencyclidine-induced cognitive deficits in mice are improved by subsequent subchronic administration of clozapine, but not haloperidol. <i>European Journal of Pharmacology</i> , 2005 , 519, 114-7	5.3	114
570	Synthesis and biological evaluation of D-amino acid oxidase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 3357-9	8.3	113
569	Tropisetron improves deficits in auditory P50 suppression in schizophrenia. <i>Schizophrenia Research</i> , 2005 , 76, 67-72	3.6	113
568	Effect of antioxidant N-acetyl-L-cysteine on behavioral changes and neurotoxicity in rats after administration of methamphetamine. <i>Brain Research</i> , 2004 , 1016, 90-5	3.7	109
567	Co-administration of a D-amino acid oxidase inhibitor potentiates the efficacy of D-serine in attenuating prepulse inhibition deficits after administration of dizocilpine. <i>Biological Psychiatry</i> , 2009 , 65, 1103-6	7.9	107
566	Phencyclidine-induced cognitive deficits in mice are improved by subsequent subchronic administration of fluvoxamine: role of sigma-1 receptors. <i>Neuropsychopharmacology</i> , 2007 , 32, 514-21	8.7	107
565	Correlation of plasma neurosteroid levels to the severity of negative symptoms in male patients with schizophrenia. <i>Schizophrenia Research</i> , 2002 , 58, 69-74	3.6	106
564	(R)-Ketamine Shows Greater Potency and Longer Lasting Antidepressant Effects Than Its Metabolite (2R,6R)-Hydroxynorketamine. <i>Biological Psychiatry</i> , 2017 , 82, e43-e44	7.9	104
563	The role of glutamate on the action of antidepressants. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011 , 35, 1558-68	5.5	101
562	High occupancy of sigma-1 receptors in the human brain after single oral administration of fluvoxamine: a positron emission tomography study using [¹¹ C]SA4503. <i>Biological Psychiatry</i> , 2007 , 62, 878-83	7.9	101
561	Gene deficiency and pharmacological inhibition of soluble epoxide hydrolase confers resilience to repeated social defeat stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E1944-52	11.5	99
560	Decreased serum levels of transforming growth factor-beta1 in patients with autism. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007 , 31, 187-90	5.5	99
559	Potential of nerve growth factor-induced neurite outgrowth by fluvoxamine: role of sigma-1 receptors, IP3 receptors and cellular signaling pathways. <i>PLoS ONE</i> , 2008 , 3, e2558	3.7	99
558	Phencyclidine-induced cognitive deficits in mice are improved by subsequent subchronic administration of the novel selective alpha7 nicotinic receptor agonist SSR180711. <i>Biological Psychiatry</i> , 2008 , 63, 92-7	7.9	97

557	Bifidobacterium in the gut microbiota confer resilience to chronic social defeat stress in mice. <i>Scientific Reports</i> , 2017 , 7, 45942	4.9	95
556	Gender-specific association of a functional coding polymorphism in the Neuropeptide S receptor gene with panic disorder but not with schizophrenia or attention-deficit/hyperactivity disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007 , 31, 1444-8	5.5	95
555	Targeting of NMDA receptors in new treatments for schizophrenia. <i>Expert Opinion on Therapeutic Targets</i> , 2014 , 18, 1049-63	6.4	94
554	Reduced serum levels of brain-derived neurotrophic factor in adult male patients with autism. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2006 , 30, 1529-31	5.5	94
553	Alterations in brain-derived neurotrophic factor (BDNF) and its precursor proBDNF in the brain regions of a learned helplessness rat model and the antidepressant effects of a TrkB agonist and antagonist. <i>European Neuropsychopharmacology</i> , 2015 , 25, 2449-58	1.2	93
552	Synthesis and evaluation of ¹¹ C-PK 11195 for in vivo study of peripheral-type benzodiazepine receptors using positron emission tomography. <i>Annals of Nuclear Medicine</i> , 1989 , 3, 63-71	2.5	93
551	Inflammatory biomarkers as differential predictors of antidepressant response. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 7796-801	6.3	92
550	Minocycline attenuates hyperlocomotion and prepulse inhibition deficits in mice after administration of the NMDA receptor antagonist dizocilpine. <i>Neuropsychopharmacology</i> , 2007 , 32, 2004-10	8.7	92
549	Regulation of glutamate transporter 1 via BDNF-TrkB signaling plays a role in the anti-apoptotic and antidepressant effects of ketamine in chronic unpredictable stress model of depression. <i>Psychopharmacology</i> , 2016 , 233, 405-15	4.7	90
548	Role of Keap1-Nrf2 signaling in depression and dietary intake of glucoraphanin confers stress resilience in mice. <i>Scientific Reports</i> , 2016 , 6, 30659	4.9	85
547	Combined intoxication with methylone and 5-MeO-MIPT. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007 , 31, 288-91	5.5	83
546	Elevated glutamine/glutamate ratio in cerebrospinal fluid of first episode and drug naive schizophrenic patients. <i>BMC Psychiatry</i> , 2005 , 5, 6	4.2	83
545	Molecular and cellular mechanisms underlying the antidepressant effects of ketamine enantiomers and its metabolites. <i>Translational Psychiatry</i> , 2019 , 9, 280	8.6	82
544	⚠ Nicotinic Receptor Agonists: Potential Therapeutic Drugs for Treatment of Cognitive Impairments in Schizophrenia and Alzheimer's Disease~!2009-10-15~!2009-10-30~!2010-05-27~!. <i>Open Medicinal Chemistry Journal</i> , 2010 , 4, 37-56	1.2	80
543	Reduction of dopamine D receptor binding in the striatum after a single administration of esketamine, but not R-ketamine: a PET study in conscious monkeys. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017 , 267, 173-176	5.1	79
542	Roles of glutamate signaling in preclinical and/or mechanistic models of depression. <i>Pharmacology Biochemistry and Behavior</i> , 2012 , 100, 688-704	3.9	79
541	M16. PROFILING GLUTAMATE AND D-SERINE PATHWAYS IN TREATMENT RESISTANT EARLY PSYCHOSIS PATIENTS. <i>Schizophrenia Bulletin</i> , 2020 , 46, S139-S139	1.3	78
540	Regional differences in brain-derived neurotrophic factor levels and dendritic spine density confer resilience to inescapable stress. <i>International Journal of Neuropsychopharmacology</i> , 2015 , 18, pyu121	5.8	78

539	Potentiation of nerve growth factor-induced neurite outgrowth in PC12 cells by donepezil: role of sigma-1 receptors and IP3 receptors. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008 , 32, 1656-9	5.5	78
538	Soluble epoxide hydrolase plays a key role in the pathogenesis of Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5815-E5823	11.5	76
537	Interaction of new antidepressants with sigma-1 receptor chaperones and their potentiation of neurite outgrowth in PC12 cells. <i>European Journal of Pharmacology</i> , 2014 , 727, 167-73	5.3	75
536	Phencyclidine-induced cognitive deficits in mice are improved by subsequent subchronic administration of the antibiotic drug minocycline. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008 , 32, 336-9	5.5	75
535	Sigma-1 receptors and selective serotonin reuptake inhibitors: clinical implications of their relationship. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2009 , 9, 197-204	1.8	75
534	Key role of gut microbiota in anhedonia-like phenotype in rodents with neuropathic pain. <i>Translational Psychiatry</i> , 2019 , 9, 57	8.6	73
533	Long-lasting antidepressant action of ketamine, but not glycogen synthase kinase-3 inhibitor SB216763, in the chronic mild stress model of mice. <i>PLoS ONE</i> , 2013 , 8, e56053	3.7	73
532	Levels of D-serine in the brain and peripheral organs of serine racemase (Srr) knock-out mice. <i>Neurochemistry International</i> , 2011 , 59, 853-9	4.4	73
531	Specific metabolites in the medial prefrontal cortex are associated with the neurocognitive deficits in schizophrenia: a preliminary study. <i>NeuroImage</i> , 2010 , 49, 2783-90	7.9	73
530	Sigma-1 receptor agonists as therapeutic drugs for cognitive impairment in neuropsychiatric diseases. <i>Current Pharmaceutical Design</i> , 2012 , 18, 875-83	3.3	72
529	Possible role of D-serine in the pathophysiology of Alzheimer's disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2004 , 28, 385-8	5.5	72
528	Further characterization of [3H]ifenprodil binding to sigma receptors in rat brain. <i>European Journal of Pharmacology</i> , 1993 , 236, 159-63	5.3	72
527	Lack of Antidepressant Effects of (2R,6R)-Hydroxynorketamine in a Rat Learned Helplessness Model: Comparison with (R)-Ketamine. <i>International Journal of Neuropsychopharmacology</i> , 2018 , 21, 84-88	5.8	71
526	Rapid and Sustained Antidepressant Action of the mGlu2/3 Receptor Antagonist MGS0039 in the Social Defeat Stress Model: Comparison with Ketamine. <i>International Journal of Neuropsychopharmacology</i> , 2017 , 20, 228-236	5.8	71
525	Optimal extent of dopamine D2 receptor occupancy by antipsychotics for treatment of dopamine supersensitivity psychosis and late-onset psychosis. <i>Journal of Clinical Psychopharmacology</i> , 2013 , 33, 398-404	1.7	71
524	Plasma levels of mature brain-derived neurotrophic factor (BDNF) and matrix metalloproteinase-9 (MMP-9) in treatment-resistant schizophrenia treated with clozapine. <i>Neuroscience Letters</i> , 2013 , 556, 37-41	3.3	70
523	Cognition and depression: the effects of fluvoxamine, a sigma-1 receptor agonist, reconsidered. <i>Human Psychopharmacology</i> , 2010 , 25, 193-200	2.3	70
522	Potentiation of the NMDA receptor-mediated responses through the activation of the glycine site by microglia secreting soluble factors. <i>Glia</i> , 2006 , 53, 660-8	9	70

521	Social isolation-induced aggression potentiates anxiety and depressive-like behavior in male mice subjected to unpredictable chronic mild stress. <i>PLoS ONE</i> , 2011 , 6, e20955	3.7	69
520	Comparison of R-ketamine and rapastinel antidepressant effects in the social defeat stress model of depression. <i>Psychopharmacology</i> , 2016 , 233, 3647-57	4.7	69
519	Minocycline produced antidepressant-like effects on the learned helplessness rats with alterations in levels of monoamine in the amygdala and no changes in BDNF levels in the hippocampus at baseline. <i>Pharmacology Biochemistry and Behavior</i> , 2012 , 100, 601-6	3.9	68
518	An Open Study of Sulforaphane-rich Broccoli Sprout Extract in Patients with Schizophrenia. <i>Clinical Psychopharmacology and Neuroscience</i> , 2015 , 13, 62-7	3.4	68
517	Chronic treatment with aripiprazole prevents development of dopamine supersensitivity and potentially supersensitivity psychosis. <i>Schizophrenia Bulletin</i> , 2012 , 38, 1012-20	1.3	68
516	Prophylactic effects of sulforaphane on depression-like behavior and dendritic changes in mice after inflammation. <i>Journal of Nutritional Biochemistry</i> , 2017 , 39, 134-144	6.3	67
515	A historical review of antidepressant effects of ketamine and its enantiomers. <i>Pharmacology Biochemistry and Behavior</i> , 2020 , 190, 172870	3.9	67
514	A randomised, double-blind, placebo-controlled trial of tropisetron in patients with schizophrenia. <i>Annals of General Psychiatry</i> , 2010 , 9, 27	3.4	67
513	Loss of parvalbumin-immunoreactivity in mouse brain regions after repeated intermittent administration of esketamine, but not R-ketamine. <i>Psychiatry Research</i> , 2016 , 239, 281-3	9.9	67
512	Comparison of (R)-ketamine and lanicemine on depression-like phenotype and abnormal composition of gut microbiota in a social defeat stress model. <i>Scientific Reports</i> , 2017 , 7, 15725	4.9	66
511	Comparison of antidepressant and side effects in mice after intranasal administration of (R,S)-ketamine, (R)-ketamine, and (S)-ketamine. <i>Pharmacology Biochemistry and Behavior</i> , 2019 , 181, 53-59	3.9	65
510	Magnetic resonance spectroscopy study of the antioxidant defense system in schizophrenia. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 2057-65	8.4	65
509	Preclinical and the first clinical studies on [11C]CHIBA-1001 for mapping alpha7 nicotinic receptors by positron emission tomography. <i>Annals of Nuclear Medicine</i> , 2009 , 23, 301-9	2.5	65
508	Serum brain-derived neurotrophic factor (BDNF) levels in patients with panic disorder: as a biological predictor of response to group cognitive behavioral therapy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2005 , 29, 658-63	5.5	63
507	Targeting of NMDA receptors in the treatment of major depression. <i>Current Pharmaceutical Design</i> , 2014 , 20, 5151-9	3.3	63
506	Dysfunction of Glia-Neuron Communication in Pathophysiology of Schizophrenia. <i>Current Psychiatry Reviews</i> , 2005 , 1, 151-163	0.9	62
505	Abnormality in serum levels of mature brain-derived neurotrophic factor (BDNF) and its precursor proBDNF in mood-stabilized patients with bipolar disorder: a study of two independent cohorts. <i>Journal of Affective Disorders</i> , 2014 , 160, 1-9	6.6	61
504	Preliminary genome-wide association study of bipolar disorder in the Japanese population. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2009 , 150B, 1110-7	3.5	61

503	Association between brain-derived neurotrophic factor 196 G/A polymorphism and personality traits in healthy subjects. <i>American Journal of Medical Genetics Part A</i> , 2004 , 124B, 61-3		61
502	(2R,6R)-Hydroxynorketamine is not essential for the antidepressant actions of (R)-ketamine in mice. <i>Neuropsychopharmacology</i> , 2018 , 43, 1900-1907	8.7	61
501	AMPA Receptor Activation-Independent Antidepressant Actions of Ketamine Metabolite (S)-Norketamine. <i>Biological Psychiatry</i> , 2018 , 84, 591-600	7.9	61
500	Phencyclidine-induced cognitive deficits in mice are improved by subsequent subchronic administration of the glycine transporter-1 inhibitor NFPS and D-serine. <i>European Neuropsychopharmacology</i> , 2008 , 18, 414-21	1.2	60
499	Protective effects of N-acetyl-L-cysteine on the reduction of dopamine transporters in the striatum of monkeys treated with methamphetamine. <i>Neuropsychopharmacology</i> , 2004 , 29, 2018-23	8.7	60
498	BDNF variant linked to anxiety-related behaviors. <i>BioEssays</i> , 2007 , 29, 116-9	4.1	59
497	Orbitofrontal cortex abnormality and deficit schizophrenia. <i>Schizophrenia Research</i> , 2013 , 143, 246-52	3.6	57
496	Association between the brain-derived neurotrophic factor 196G/A polymorphism and eating disorders. <i>American Journal of Medical Genetics Part A</i> , 2004 , 127B, 125-7		57
495	Tropisetron improves deficient inhibitory auditory processing in DBA/2 mice: role of alpha 7 nicotinic acetylcholine receptors. <i>Psychopharmacology</i> , 2005 , 183, 13-9	4.7	57
494	An update on ketamine and its two enantiomers as rapid-acting antidepressants. <i>Expert Review of Neurotherapeutics</i> , 2019 , 19, 83-92	4.3	57
493	Phencyclidine-induced cognitive deficits in mice are ameliorated by subsequent subchronic administration of donepezil: role of sigma-1 receptors. <i>Brain Research</i> , 2009 , 1279, 189-96	3.7	56
492	Further characterization of [3H]ifenprodil binding in rat brain. <i>European Journal of Pharmacology</i> , 1994 , 266, 67-77		56
491	Protective effects of minocycline on 3,4-methylenedioxymethamphetamine-induced neurotoxicity in serotonergic and dopaminergic neurons of mouse brain. <i>European Journal of Pharmacology</i> , 2006 , 544, 1-9	5.3	55
490	Altered dendritic morphology of Purkinje cells in Dyt1 Δ AG knock-in and purkinje cell-specific Dyt1 conditional knockout mice. <i>PLoS ONE</i> , 2011 , 6, e18357	3.7	54
489	Phencyclidine-induced cognitive deficits in mice are improved by subsequent subchronic administration of the antipsychotic drug perospirone: role of serotonin 5-HT1A receptors. <i>European Neuropsychopharmacology</i> , 2008 , 18, 448-54	1.2	54
488	Protective effects of minocycline on the reduction of dopamine transporters in the striatum after administration of methamphetamine: a positron emission tomography study in conscious monkeys. <i>Biological Psychiatry</i> , 2007 , 61, 577-81	7.9	54
487	Blood metabolomics analysis identifies abnormalities in the citric acid cycle, urea cycle, and amino acid metabolism in bipolar disorder. <i>BBA Clinical</i> , 2016 , 5, 151-8		54
486	Effects of a single bilateral infusion of R-ketamine in the rat brain regions of a learned helplessness model of depression. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017 , 267, 177-182	5.1	53

485	Activation of sigma-1 receptor chaperone in the treatment of neuropsychiatric diseases and its clinical implication. <i>Journal of Pharmacological Sciences</i> , 2015 , 127, 6-9	3.7	53
484	High occupancy of sigma1 receptors in the human brain after single oral administration of donepezil: a positron emission tomography study using [¹¹ C]SA4503. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 1127-31	5.8	53
483	Molecular mechanisms of the rapid-acting and long-lasting antidepressant actions of (R)-ketamine. <i>Biochemical Pharmacology</i> , 2020 , 177, 113935	6	52
482	Prevalence of PTSD and depression among junior middle school students in a rural town far from the epicenter of the Wenchuan earthquake in China. <i>PLoS ONE</i> , 2012 , 7, e41665	3.7	52
481	Associations of serum brain-derived neurotrophic factor with cognitive impairments and negative symptoms in schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011 , 35, 1836-40	5.5	52
480	A series of D-amino acid oxidase inhibitors specifically prevents and reverses formalin-induced tonic pain in rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 336, 282-93	4.7	52
479	Role of hippocampal p11 in the sustained antidepressant effect of ketamine in the chronic unpredictable mild stress model. <i>Translational Psychiatry</i> , 2016 , 6, e741	8.6	51
478	Dietary Intake of Sulforaphane-Rich Broccoli Sprout Extracts during Juvenile and Adolescence Can Prevent Phencyclidine-Induced Cognitive Deficits at Adulthood. <i>PLoS ONE</i> , 2015 , 10, e0127244	3.7	51
477	Minocycline attenuates subjective rewarding effects of dextroamphetamine in humans. <i>Psychopharmacology</i> , 2011 , 213, 61-8	4.7	51
476	The cognitive impairments and psychological wellbeing of methamphetamine dependent patients compared with health controls. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016 , 69, 31-7	5.5	51
475	Risks Associated with Misuse of Ketamine as a Rapid-Acting Antidepressant. <i>Neuroscience Bulletin</i> , 2016 , 32, 557-564	4.3	49
474	A positive correlation between serum levels of mature brain-derived neurotrophic factor and negative symptoms in schizophrenia. <i>Psychiatry Research</i> , 2014 , 215, 268-73	9.9	49
473	Roles of endogenous glutathione levels on 6-hydroxydopamine-induced apoptotic neuronal cell death in human neuroblastoma SK-N-SH cells. <i>Neuropharmacology</i> , 2002 , 43, 434-43	5.5	49
472	Ketamine's antidepressant action: beyond NMDA receptor inhibition. <i>Expert Opinion on Therapeutic Targets</i> , 2016 , 20, 1389-1392	6.4	49
471	Behavioral and cognitive effects of the N-methyl-D-aspartate receptor co-agonist D-serine in healthy humans: initial findings. <i>Journal of Psychiatric Research</i> , 2015 , 61, 188-95	5.2	48
470	Infusions of allopregnanolone into the hippocampus and amygdala, but not into the nucleus accumbens and medial prefrontal cortex, produce antidepressant effects on the learned helplessness rats. <i>Hippocampus</i> , 2011 , 21, 1105-13	3.5	48
469	Discovery of the alpha7 nicotinic acetylcholine receptor agonists. (R)-3'-(5-Chlorothiophen-2-yl)spiro-1-azabicyclo[2.2.2]octane-3,5'-[1',3']oxazolidin-2'-one as a novel, potent, selective, and orally bioavailable ligand. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 2678-86	8.3	48
468	Association study between brain-derived neurotrophic factor gene polymorphisms and methamphetamine abusers in Japan. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2005 , 132B, 70-3	3.5	48

467	Essential Role of Keap1-Nrf2 Signaling in Mood Disorders: Overview and Future Perspective. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1182	5.6	48
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162	Increased serum G72 protein levels in patients with schizophrenia: a potential candidate biomarker. <i>Acta Neuropsychiatrica</i> , 2017 , 29, 80-86	3.9	8

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