

Denis J David

List of Publications by Year in descending order

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102
papers

9,009
citations

50276

46
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42399

92
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116
all docs

116
docs citations

116
times ranked

9818
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurogenesis-Dependent and -Independent Effects of Fluoxetine in an Animal Model of Anxiety/Depression. <i>Neuron</i> , 2009, 62, 479-493.	8.1	1,080
2	Ablation of hippocampal neurogenesis impairs contextual fear conditioning and synaptic plasticity in the dentate gyrus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17501-17506.	7.1	915
3	Chronic Fluoxetine Stimulates Maturation and Synaptic Plasticity of Adult-Born Hippocampal Granule Cells. <i>Journal of Neuroscience</i> , 2008, 28, 1374-1384.	3.6	474
4	Subunit Composition of Functional Nicotinic Receptors in Dopaminergic Neurons Investigated with Knock-Out Mice. <i>Journal of Neuroscience</i> , 2003, 23, 7820-7829.	3.6	473
5	Hippocampal neurogenesis is not required for behavioral effects of environmental enrichment. <i>Nature Neuroscience</i> , 2006, 9, 729-731.	14.8	394
6	5-HT1A Autoreceptor Levels Determine Vulnerability to Stress and Response to Antidepressants. <i>Neuron</i> , 2010, 65, 40-52.	8.1	373
7	Effects of nicotine in the dopaminergic system of mice lacking the alpha4 subunit of neuronal nicotinic acetylcholine receptors. <i>European Journal of Neuroscience</i> , 2003, 17, 1329-1337.	2.6	224
8	Ketamine as a Prophylactic Against Stress-Induced Depressive-like Behavior. <i>Biological Psychiatry</i> , 2016, 79, 776-786.	1.3	201
9	BDNF overexpression in mouse hippocampal astrocytes promotes local neurogenesis and elicits anxiolytic-like activities. <i>Translational Psychiatry</i> , 2013, 3, e253-e253.	4.8	189
10	Serotonin-1A Autoreceptors Are Necessary and Sufficient for the Normal Formation of Circuits Underlying Innate Anxiety. <i>Journal of Neuroscience</i> , 2011, 31, 6008-6018.	3.6	169
11	Antidepressant-like effects in various mice strains in the forced swimming test. <i>Psychopharmacology</i> , 2003, 166, 373-382.	3.1	158
12	Antidepressant-like effects in various mice strains in the tail suspension test. <i>Behavioural Brain Research</i> , 2003, 143, 193-200.	2.2	156
13	Increased Fear Response to Contextual Cues in Mice Lacking the 5-HT1A Receptor. <i>Neuropsychopharmacology</i> , 2006, 31, 101-111.	5.4	136
14	Behavioral and serotonergic consequences of decreasing or increasing hippocampus brain-derived neurotrophic factor protein levels in mice. <i>Neuropharmacology</i> , 2008, 55, 1006-1014.	4.1	136
15	Rapid Anxiolytic Effects of a 5-HT4 Receptor Agonist Are Mediated by a Neurogenesis-Independent Mechanism. <i>Neuropsychopharmacology</i> , 2014, 39, 1366-1378.	5.4	127
16	Monoamine metabolism changes following the mouse forced swimming test but not the tail suspension test. <i>Fundamental and Clinical Pharmacology</i> , 2003, 17, 449-455.	1.9	122
17	Efficacy of the MCHR1 Antagonist N-[3-(1-[[4-(3,4-Difluorophenoxy)phenyl]methyl](4-piperidyl))-4-methylphenyl]-2-methylpropanamide (SNAP 94847) in Mouse Models of Anxiety and Depression following Acute and Chronic Administration Is Independent of Hippocampal Neurogenesis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 237-248.	2.5	117
18	Antidepressant and anxiolytic potential of the multimodal antidepressant vortioxetine (Lu AA21004) assessed by behavioural and neurogenesis outcomes in mice. <i>Neuropharmacology</i> , 2013, 73, 147-159.	4.1	108

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19	A proposal of decision tree to screen putative antidepressants using forced swim and tail suspension tests. <i>Behavioural Brain Research</i> , 2005, 164, 266-269.	2.2	105
20	Ketamine treatment involves medial prefrontal cortex serotonin to induce a rapid antidepressant-like activity in BALB/cj mice. <i>Neuropharmacology</i> , 2017, 112, 198-209.	4.1	104
21	Learning and memory impairments in a neuroendocrine mouse model of anxiety/depression. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 136.	2.0	96
22	Beneficial behavioural and neurogenic effects of agomelatine in a model of depression/anxiety. <i>International Journal of Neuropsychopharmacology</i> , 2012, 15, 321-335.	2.1	91
23	Nrf2-signaling and BDNF: A new target for the antidepressant-like activity of chronic fluoxetine treatment in a mouse model of anxiety/depression. <i>Neuroscience Letters</i> , 2015, 597, 121-126.	2.1	90
24	Implications of the Functional Integration of Adult-Born Hippocampal Neurons in Anxiety-Depression Disorders. <i>Neuroscientist</i> , 2010, 16, 578-591.	3.5	87
25	Distinct Circuits Underlie the Effects of 5-HT _{1B} Receptors on Aggression and Impulsivity. <i>Neuron</i> , 2015, 86, 813-826.	8.1	87
26	Neurobiological Mechanisms of Stress Resilience and Implications for the Aged Population. <i>Current Neuropharmacology</i> , 2018, 16, 234-270.	2.9	81
27	Serotonin 1A and Serotonin 4 Receptors. <i>Neuroscientist</i> , 2016, 22, 26-45.	3.5	77
28	Effects of acute treatment with paroxetine, citalopram and venlafaxine in vivo on noradrenaline and serotonin outflow: a microdialysis study in Swiss mice. <i>British Journal of Pharmacology</i> , 2003, 140, 1128-1136.	5.4	76
29	Modeling treatment-resistant depression. <i>Neuropharmacology</i> , 2011, 61, 408-413.	4.1	76
30	Interplay of $\alpha 2^*$ nicotinic receptors and dopamine pathways in the control of spontaneous locomotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15991-15996.	7.1	71
31	Cognitive Dysfunction in Major Depressive Disorder. A Translational Review in Animal Models of the Disease. <i>Pharmaceuticals</i> , 2016, 9, 9.	3.8	71
32	Antidepressant-like Effects of Electroconvulsive Seizures Require Adult Neurogenesis in a Neuroendocrine Model of Depression. <i>Brain Stimulation</i> , 2015, 8, 862-867.	1.6	70
33	Mood disorders in Huntington's disease: from behavior to cellular and molecular mechanisms. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 135.	2.0	69
34	GENOPHAR: a randomized study of plasma drug measurements in association with genotypic resistance testing and expert advice to optimize therapy in patients failing antiretroviral therapy*. <i>HIV Medicine</i> , 2004, 5, 352-359.	2.2	63
35	Blockade of 5-HT _{1A} Receptors by (\pm)-Pindolol Potentiates Cortical 5-HT Outflow, but not Antidepressant-Like Activity of Paroxetine: Microdialysis and Behavioral Approaches in 5-HT _{1A} Receptor Knockout Mice. <i>Neuropsychopharmacology</i> , 2006, 31, 2162-2172.	5.4	63
36	Modulation of AMPA receptor surface diffusion restores hippocampal plasticity and memory in Huntington's disease models. <i>Nature Communications</i> , 2018, 9, 4272.	12.8	62

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37	Huntington's disease knock-in male mice show specific anxiety-like behaviour and altered neuronal maturation. <i>Neuroscience Letters</i> , 2012, 507, 127-132.	2.1	56
38	Are there gender differences in the temperature profile of mice after acute antidepressant administration and exposure to two animal models of depression?. <i>Behavioural Brain Research</i> , 2001, 119, 203-211.	2.2	55
39	A longitudinal study of 5-HT outflow during chronic fluoxetine treatment using a new technique of chronic microdialysis in a highly emotional mouse strain. <i>European Journal of Pharmacology</i> , 2010, 628, 83-90.	3.5	55
40	Brain-derived neurotrophic factor-deficient mice exhibit a hippocampal hyperserotonergic phenotype. <i>International Journal of Neuropsychopharmacology</i> , 2008, 11, 79-92.	2.1	54
41	Functional Status of Somatodendritic Serotonin 1A Autoreceptor after Long-Term Treatment with Fluoxetine in a Mouse Model of Anxiety/Depression Based on Repeated Corticosterone Administration. <i>Molecular Pharmacology</i> , 2012, 81, 106-112.	2.3	53
42	Comparison of antidepressant activity in 4- and 40-week-old male mice in the forced swimming test: involvement of 5-HT1A and 5-HT1B receptors in old mice. <i>Psychopharmacology</i> , 2001, 153, 443-449.	3.1	52
43	Effects of chronic paroxetine treatment on dialysate serotonin in 5-HT1B receptor knockout mice. <i>Journal of Neurochemistry</i> , 2004, 86, 13-24.	3.9	51
44	Consequences of changes in BDNF levels on serotonin neurotransmission, 5-HT transporter expression and function: Studies in adult mice hippocampus. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 90, 174-183.	2.9	50
45	Further Analysis of Interleukin-2 Receptor Subunit Expression on the Different Human Peripheral Blood Mononuclear Cell Subsets. <i>Blood</i> , 1998, 91, 165-172.	1.4	48
46	Influence of brain-derived neurotrophic factor (BDNF) on serotonin neurotransmission in the hippocampus of adult rodents. <i>European Journal of Pharmacology</i> , 2008, 587, 90-98.	3.5	47
47	S 47445 Produces Antidepressant- and Anxiolytic-Like Effects through Neurogenesis Dependent and Independent Mechanisms. <i>Frontiers in Pharmacology</i> , 2017, 8, 462.	3.5	47
48	Peripheral tryptophan, serotonin, kynurenine, and their metabolites in major depression: A case-control study. <i>Psychiatry and Clinical Neurosciences</i> , 2020, 74, 112-117.	1.8	47
49	Synergistic neurochemical and behavioural effects of acute intrahippocampal injection of brain-derived neurotrophic factor and antidepressants in adult mice. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 905-915.	2.1	46
50	Chronic corticosterone administration effects on behavioral emotionality in female c57bl6 mice.. <i>Experimental and Clinical Psychopharmacology</i> , 2017, 25, 94-104.	1.8	45
51	Selective variations in vivo of VH3 and VH1 gene family expression in peripheral B cell IgM, IgD and IgG during HIV infection. <i>European Journal of Immunology</i> , 1995, 25, 1524-1528.	2.9	44
52	Converging translational evidence for the involvement of the serotonin 2A receptor gene in major depressive disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 54, 76-82.	4.8	44
53	A Lack of Serotonin 1B Autoreceptors Results in Decreased Anxiety and Depression-Related Behaviors. <i>Neuropsychopharmacology</i> , 2016, 41, 2941-2950.	5.4	44
54	<i>BDNF/TRKB/P75NTR</i> polymorphisms and their consequences on antidepressant efficacy in depressed patients. <i>Pharmacogenomics</i> , 2015, 16, 997-1013.	1.3	41

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55	Sex-specific neurobiological actions of prophylactic (R,S)-ketamine, (2R,6R)-hydroxynorketamine, and (2S,6S)-hydroxynorketamine. <i>Neuropsychopharmacology</i> , 2020, 45, 1545-1556.	5.4	40
56	Rapid Effect of Interleukin-2 Therapy in Human Immunodeficiency Virus-Infected Patients whose CD4 Cell Counts Increase Only Slightly in Response to Combined Antiretroviral Treatment. <i>Journal of Infectious Diseases</i> , 2001, 183, 730-735.	4.0	39
57	Huntingtin Mediates Anxiety/Depression-Related Behaviors and Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2013, 33, 8608-8620.	3.6	39
58	Characterization of 5-HT1A/1B ^{-/-} mice: An animal model sensitive to anxiolytic treatments. <i>Neuropharmacology</i> , 2011, 61, 478-488.	4.1	38
59	Improved efficacy of fluoxetine in increasing hippocampal 5-hydroxytryptamine outflow in 5-HT1B receptor knock-out mice. <i>European Journal of Pharmacology</i> , 2002, 443, 99-104.	3.5	37
60	Adult hippocampal neurogenesis: An actor in the antidepressant-like action. <i>Annales Pharmaceutiques Francaises</i> , 2013, 71, 143-149.	1.0	37
61	Altered skeletal muscle mitochondrial biogenesis but improved endurance capacity in trained OPA1-deficient mice. <i>Journal of Physiology</i> , 2013, 591, 6017-6037.	2.9	37
62	Defective interleukin-2-dependent STAT5 signalling in CD8 T lymphocytes from HIV-positive patients. <i>Aids</i> , 2004, 18, 421-426.	2.2	36
63	Interest of using genetically manipulated mice as models of depression to evaluate antidepressant drugs activity: a review. <i>Fundamental and Clinical Pharmacology</i> , 2009, 23, 23-42.	1.9	36
64	5-HT2A receptor inactivation potentiates the acute antidepressant-like activity of escitalopram: involvement of the noradrenergic system. <i>Experimental Brain Research</i> , 2013, 226, 285-295.	1.5	36
65	A method for biomarker measurements in peripheral blood mononuclear cells isolated from anxious and depressed mice: β -arrestin 1 protein levels in depression and treatment. <i>Frontiers in Pharmacology</i> , 2013, 4, 124.	3.5	35
66	Ventral hippocampal molecular pathways and impaired neurogenesis associated with 5-HT1A and 5-HT1B receptors disruption in mice. <i>Neuroscience Letters</i> , 2012, 521, 20-25.	2.1	34
67	Glypican-2 levels in cerebrospinal fluid predict the status of adult hippocampal neurogenesis. <i>Scientific Reports</i> , 2017, 7, 46543.	3.3	33
68	Genetic dysfunction of serotonin 2A receptor hampers response to antidepressant drugs: A translational approach. <i>Neuropharmacology</i> , 2016, 105, 142-153.	4.1	32
69	Antinociceptive effects of fluoxetine in a mouse model of anxiety/depression. <i>NeuroReport</i> , 2012, 23, 525-529.	1.2	31
70	S 38093, a histamine H3 antagonist/inverse agonist, promotes hippocampal neurogenesis and improves context discrimination task in aged mice. <i>Scientific Reports</i> , 2017, 7, 42946.	3.3	29
71	Differential Peripheral Proteomic Biosignature of Fluoxetine Response in a Mouse Model of Anxiety/Depression. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 237.	3.7	29
72	Blockade of the high-affinity noradrenaline transporter (NET) by the selective 5-HT reuptake inhibitor escitalopram: an <i>in vivo</i> microdialysis study in mice. <i>British Journal of Pharmacology</i> , 2013, 168, 103-116.	5.4	28

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73	Rapid Anxiolytic Effects of RS67333, a Serotonin Type 4 Receptor Agonist, and Diazepam, a Benzodiazepine, Are Mediated by Projections From the Prefrontal Cortex to the Dorsal Raphe Nucleus. <i>Biological Psychiatry</i> , 2020, 87, 514-525.	1.3	27
74	Prophylactic efficacy of 5-HT4R agonists against stress. <i>Neuropsychopharmacology</i> , 2020, 45, 542-552.	5.4	27
75	Involvement of Bcl-2 and IL-2R in HIV-positive patients whose CD4 cell counts fail to increase rapidly with highly active antiretroviral therapy. <i>Aids</i> , 2002, 16, 1093-1101.	2.2	23
76	Chronic 5-HT4 receptor agonist treatment restores learning and memory deficits in a neuroendocrine mouse model of anxiety/depression. <i>Neuroscience Letters</i> , 2016, 616, 197-203.	2.1	23
77	Vortioxetine for the treatment of major depressive disorder. <i>Expert Review of Clinical Pharmacology</i> , 2014, 7, 731-745.	3.1	22
78	Plasma BDNF Level in Major Depression: Biomarker of the Val66Met BDNF Polymorphism and of the Clinical Course in Met Carrier Patients. <i>Neuropsychobiology</i> , 2017, 75, 39-45.	1.9	22
79	Chronic Corticosterone Elevation Suppresses Adult Hippocampal Neurogenesis by Hyperphosphorylating Huntingtin. <i>Cell Reports</i> , 2020, 32, 107865.	6.4	22
80	Cortical and raphe GABAA, AMPA receptors and glial GLT-1 glutamate transporter contribute to the sustained antidepressant activity of ketamine. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 192, 172913.	2.9	22
81	Blood microbiota and metabolomic signature of major depression before and after antidepressant treatment: a prospective case-control study. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E358-E368.	2.4	21
82	NREM sleep hypersomnia and reduced sleep/wake continuity in a neuroendocrine mouse model of anxiety/depression based on chronic corticosterone administration. <i>Neuroscience</i> , 2014, 274, 357-368.	2.3	19
83	Huntingtin Acts Non Cell-Autonomously on Hippocampal Neurogenesis and Controls Anxiety-Related Behaviors in Adult Mouse. <i>PLoS ONE</i> , 2013, 8, e73902.	2.5	17
84	When ageing meets the blues: Are current antidepressants effective in depressed aged patients?. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 55, 478-497.	6.1	16
85	Progressive decrease in VH3 gene family expression in plasma cells of HIV-infected patients. <i>International Immunology</i> , 1996, 8, 1329-1333.	4.0	15
86	The Catechol-O-methyltransferase Val(108/158)Met Genetic Polymorphism cannot be Recommended as a Biomarker for the Prediction of Venlafaxine Efficacy in Patients Treated in Psychiatric Settings. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 121, 435-441.	2.5	11
87	Optogenetic activation of granule cells in the dorsal dentate gyrus enhances dopaminergic neurotransmission in the Nucleus Accumbens. <i>Neuroscience Research</i> , 2018, 134, 56-60.	1.9	11
88	Downregulation of the Expression of the Main Immunoglobulin VH Family in HIV-Infected Patients: Modulation by Triple Combination Therapy. <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 315-316.	1.1	8
89	The association of β -arrestin2 polymorphisms with response to antidepressant treatment in depressed patients. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 81, 74-79.	4.8	8
90	Vortioxetine Improves Context Discrimination in Mice Through a Neurogenesis Independent Mechanism. <i>Frontiers in Pharmacology</i> , 2018, 9, 204.	3.5	8

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91	Serotonin transporter in substance P (neurokinin 1) receptor knock-out mice. <i>European Journal of Pharmacology</i> , 2004, 492, 41-48.	3.5	7
92	The TRKB rs2289656 genetic polymorphism is associated with acute suicide attempts in depressed patients: A transversal case control study. <i>PLoS ONE</i> , 2018, 13, e0205648.	2.5	7
93	Translational research on cognitive and behavioural disorders in neurological and psychiatric diseases. <i>Therapie</i> , 2016, 71, 15-26.	1.0	3
94	Restless Legs Syndrome and Schizophrenia. <i>Journal of Clinical Psychopharmacology</i> , 2018, 38, 91-92.	1.4	3
95	Infection À VIH et immunothÃ©rapie associÃ©e. <i>Annales De L'Institut Pasteur / ActualitÃ©s</i> , 2000, 11, 85-98.	0.1	2
96	No impact of eight <i>NTRK2</i> genetic polymorphisms on 6-month antidepressant efficacy in depressed patients. <i>Pharmacogenomics</i> , 2017, 18, 349-357.	1.3	2
97	Methemoglobinemia as a biomarker of dapsone-induced mania severity. <i>Journal of Affective Disorders</i> , 2019, 254, 122-123.	4.1	1
98	S80. The TRKB rs2289656 Genetic Polymorphism is Associated With Acute Suicide Attempts in Depressed Patients: A Transversal Case Control Study. <i>Biological Psychiatry</i> , 2019, 85, S328.	1.3	0
99	S137. Long-Term Effects of Vortioxetine (Lu AA21004) on Adult Hippocampal Neurogenesis Prevents Reinstatement of Anxiety/Depression-Like Phenotype in Mice. <i>Biological Psychiatry</i> , 2019, 85, S349-S350.	1.3	0
100	S136. Is Ketamine Metabolism to Norketamine and (2R,6R)-HNK Necessary for its Sustained Antidepressant-Like Activity and Cortical Neurotransmitter Release in Mice?. <i>Biological Psychiatry</i> , 2019, 85, S349.	1.3	0
101	S132. Peripheral Signature of Response to Electroconvulsive Seizure in a Murine Model of Anxiety/Depression. <i>Biological Psychiatry</i> , 2019, 85, S347-S348.	1.3	0
102	The GG genotype of the serotonin 4 receptor genetic polymorphism, rs1345697, is associated with lower remission rates after antidepressant treatment: Findings from the METADAP cohort. <i>Journal of Affective Disorders</i> , 2022, 299, 335-343.	4.1	0