Ronald S Duman

List of Publications by Year in Descending Order

325 papers	52,522 citations	109 h-index	226 g-index
369 ext. papers	59,133 ext. citations	7.9 avg, IF	8.17 L-index

#	Paper	IF	Citations
325	Epigenome-wide association study of posttraumatic stress disorder identifies novel loci in U.S. military veterans.. *Translational Psychiatry*, **2022**, 12, 65	8.6	2
324	Imaging the effect of ketamine on synaptic density (SV2A) in the living brain.. *Molecular Psychiatry*, **2022**,	15.1	1
323	Cell-type specific modulation of NMDA receptors triggers antidepressant actions. *Molecular Psychiatry*, **2021**, 26, 5097-5111	15.1	14
322	Inhibitory regulation of calcium transients in prefrontal dendritic spines is compromised by a nonsense Shank3 mutation. *Molecular Psychiatry*, **2021**, 26, 1945-1966	15.1	7
321	(2R,6R)-Hydroxynorketamine, A Metabolite of Ketamine: The Antidepressant Actions and the Mechanisms. *Contemporary Clinical Neuroscience*, **2021**, 17-29	0.1	
320	Inhibition of GABA interneurons in the mPFC is sufficient and necessary for rapid antidepressant responses. *Molecular Psychiatry*, **2021**, 26, 3277-3291	15.1	12
319	Stress Resilience is Associated with Hippocampal Synaptoprotection in the Female Rat Learned Helplessness Paradigm. *Neuroscience*, **2021**, 459, 85-103	3.9	2
318	Antibodies From Children With PANDAS Bind Specifically to Striatal Cholinergic Interneurons and Alter Their Activity. *American Journal of Psychiatry*, **2021**, 178, 48-64	11.9	20
317	Transcriptomic organization of the human brain in post-traumatic stress disorder. *Nature Neuroscience*, **2021**, 24, 24-33	25.5	44
316	Positive modulation of NMDA receptors by AGN-241751 exerts rapid antidepressant-like effects via excitatory neurons. *Neuropsychopharmacology*, **2021**, 46, 799-808	8.7	7
315	Cortical Transcriptomic Alterations in Association With Appetitive Neuropeptides and Body Mass Index in Posttraumatic Stress Disorder. *International Journal of Neuropsychopharmacology*, **2021**, 24, 118-129	5.8	3
314	Role of BDNF in the pathophysiology and treatment of depression: Activity-dependent effects distinguish rapid-acting antidepressants. *European Journal of Neuroscience*, **2021**, 53, 126-139	3.5	66
313	Hippocampal mitogen-activated protein kinase phosphatase-1 regulates behavioral and systemic effects of chronic corticosterone administration. *Biochemical Pharmacology*, **2021**, 190, 114617	6	0
312	Genome-wide association analyses of post-traumatic stress disorder and its symptom subdomains in the Million Veteran Program. *Nature Genetics*, **2021**, 53, 174-184	36.3	40
311	Medial PFC AMPA receptor and BDNF signaling are required for the rapid and sustained antidepressant-like effects of 5-HT receptor stimulation. *Neuropsychopharmacology*, **2020**, 45, 1725-1734	8.7	16
310	PTSD is associated with neuroimmune suppression: evidence from PET imaging and postmortem transcriptomic studies. *Nature Communications*, **2020**, 11, 2360	17.4	26
309	Rapastinel, an NMDAR positive modulator, produces distinct behavioral, sleep, and EEG profiles compared with ketamine. *Behavioural Brain Research*, **2020**, 391, 112706	3.4	2

308	Modulation of the antidepressant effects of ketamine by the mTORC1 inhibitor rapamycin. *Neuropsychopharmacology*, **2020**, 45, 990-997	8.7	62
307	Prefrontal cortex circuits in depression and anxiety: contribution of discrete neuronal populations and target regions. *Molecular Psychiatry*, **2020**, 25, 2742-2758	15.1	67
306	A New Rapid-Acting Antidepressant. *Cell*, **2020**, 181, 7	56.2	8
305	GABA interneurons are the cellular trigger for ketamine's rapid antidepressant actions. *Journal of Clinical Investigation*, **2020**, 130, 1336-1349	15.9	94
304	Ketamine rapidly reverses stress-induced impairments in GABAergic transmission in the prefrontal cortex in male rodents. *Neurobiology of Disease*, **2020**, 134, 104669	7.5	33
303	Ketamine increases vmPFC activity: Effects of (R)- and (S)-stereoisomers and (2R,6R)-hydroxynorketamine metabolite. *Neuropharmacology*, **2020**, 166, 107947	5.5	12
302	Ketamine disinhibits dendrites and enhances calcium signals in prefrontal dendritic spines. *Nature Communications*, **2020**, 11, 72	17.4	64
301	Rapastinel, a novel glutamatergic agent with ketamine-like antidepressant actions: Convergent mechanisms. *Pharmacology Biochemistry and Behavior*, **2020**, 188, 172827	3.9	15
300	Neuron-specific deletion of VEGF or its receptor Flk-1 impairs recognition memory. *European Neuropsychopharmacology*, **2020**, 31, 145-151	1.2	5
299	Neurotrophic mechanisms underlying the rapid and sustained antidepressant actions of ketamine. *Pharmacology Biochemistry and Behavior*, **2020**, 188, 172837	3.9	55
298	Neuroplasticity in cognitive and psychological mechanisms of depression: an integrative model. *Molecular Psychiatry*, **2020**, 25, 530-543	15.1	88
297	N-Methyl-D-aspartate receptor antagonist d-methadone produces rapid, mTORC1-dependent antidepressant effects. *Neuropsychopharmacology*, **2019**, 44, 2230-2238	8.7	23
296	Neurobiology of rapid-acting antidepressants: convergent effects on GluA1-synaptic function. *Molecular Psychiatry*, **2019**, 24, 1816-1832	15.1	67
295	Ketamine: A Paradigm Shift for Depression Research and Treatment. *Neuron*, **2019**, 101, 774-778	13.9	137
294	Cortical GABAergic Dysfunction in Stress and Depression: New Insights for Therapeutic Interventions. *Frontiers in Cellular Neuroscience*, **2019**, 13, 87	6.1	101
293	Altered Connectivity in Depression: GABA and Glutamate Neurotransmitter Deficits and Reversal by Novel Treatments. *Neuron*, **2019**, 102, 75-90	13.9	261
292	Lower synaptic density is associated with depression severity and network alterations. *Nature Communications*, **2019**, 10, 1529	17.4	150
291	Molecular and cellular studies of PTSD: Postmortem transcriptome analysis and novel therapeutic targets. *Journal of Neuroscience Research*, **2019**, 97, 292-299	4.4	4

290	Prefrontal cortex interneurons display dynamic sex-specific stress-induced transcriptomes. *Translational Psychiatry*, **2019**, 9, 292	8.6	19
289	Sestrin modulator NV-5138 produces rapid antidepressant effects via direct mTORC1 activation. *Journal of Clinical Investigation*, **2019**, 129, 2542-2554	15.9	30
288	The Neurotrophic Hypothesis of Depression Revisited: New Insights and Therapeutic Implications **2019**, 43-62		7
287	Activity-dependent brain-derived neurotrophic factor signaling is required for the antidepressant actions of (2,6)-hydroxynorketamine. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 297-302	11.5	91
286	Neurotrophic and Antidepressant Actions of Brain-Derived Neurotrophic Factor Require Vascular Endothelial Growth Factor. *Biological Psychiatry*, **2019**, 86, 143-152	7.9	44
285	Role of Neuronal VEGF Signaling in the Prefrontal Cortex in the Rapid Antidepressant Effects of Ketamine. *American Journal of Psychiatry*, **2019**, 176, 388-400	11.9	40
284	Optogenetic stimulation of medial prefrontal cortex Drd1 neurons produces rapid and long-lasting antidepressant effects. *Nature Communications*, **2019**, 10, 223	17.4	94
283	BDNF Val66Met polymorphism and posttraumatic stress symptoms in U.S. military veterans: Protective effect of physical exercise. *Psychoneuroendocrinology*, **2019**, 100, 198-202	5	22
282	The anxiolytic effects of cannabidiol in chronically stressed mice are mediated by the endocannabinoid system: Role of neurogenesis and dendritic remodeling. *Neuropharmacology*, **2018**, 135, 22-33	5.5	93
281	Convergent Mechanisms Underlying Rapid Antidepressant Action. *CNS Drugs*, **2018**, 32, 197-227	6.7	92
280	Rapid-Acting Antidepressants: Mechanistic Insights and Future Directions. *Current Behavioral Neuroscience Reports*, **2018**, 5, 36-47	1.7	28
279	The Stress-Induced Transcription Factor NR4A1 Adjusts Mitochondrial Function and Synapse Number in Prefrontal Cortex. *Journal of Neuroscience*, **2018**, 38, 1335-1350	6.6	34
278	F102. Human Experimenter Sex Modulates Mouse Behavioral Responses to Stress and to the Antidepressant Ketamine. *Biological Psychiatry*, **2018**, 83, S277	7.9	6
277	Stress-Induced Neuronal Colony Stimulating Factor 1 Provokes Microglia-Mediated Neuronal Remodeling and Depressive-like Behavior. *Biological Psychiatry*, **2018**, 83, 38-49	7.9	127
276	Activity-Dependent Brain-Derived Neurotrophic Factor Release Is Required for the Rapid Antidepressant Actions of Scopolamine. *Biological Psychiatry*, **2018**, 83, 29-37	7.9	73
275	Persistent Increase in Microglial RAGE Contributes to Chronic Stress-Induced Priming of Depressive-like Behavior. *Biological Psychiatry*, **2018**, 83, 50-60	7.9	91
274	Transcriptome Alterations in Posttraumatic Stress Disorder. *Biological Psychiatry*, **2018**, 83, 840-848	7.9	24
273	Sex-Specific Molecular Changes in Depression. *Biological Psychiatry*, **2018**, 84, 2-4	7.9	2

272	Rapid-Acting Antidepressants: Mechanistic Insights and Future Directions. *Current Behavioral Neuroscience Reports*, **2018**, 5, 36-47	1.7	14
271	The neurotrophic and antidepressant actions of BDNF and VEGF require interactive signaling. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO2-1-62	0	
270	BDNF release and signaling are required for the antidepressant actions of GLYX-13. *Molecular Psychiatry*, **2018**, 23, 2007-2017	15.1	57
269	Depression and sterile inflammation: Essential role of danger associated molecular patterns. *Brain, Behavior, and Immunity*, **2018**, 72, 2-13	16.6	80
268	Analysis of Bulk Tissue Transcriptome Data Reveals Convergence of Cell Types Altered in Schizophrenia and Bipolar Disorder. *Biological Psychiatry*, **2018**, 84, 772-774	7.9	2
267	Ketamine and rapid-acting antidepressants: a new era in the battle against depression and suicide. *F1000Research*, **2018**, 7,	3.6	116
266	Fibroblast growth factor 2 is necessary for the antidepressant effects of fluoxetine. *PLoS ONE*, **2018**, 13, e0204980	3.7	17
265	The neurobiology of depression, ketamine and rapid-acting antidepressants: Is it glutamate inhibition or activation?. *Pharmacology & Therapeutics*, **2018**, 190, 148-158	13.9	103
264	How do antidepressants work? New perspectives for refining future treatment approaches. *Lancet Psychiatry,the*, **2017**, 4, 409-418	23.3	241
263	Rapid Acting Antidepressants in Chronic Stress Models: Molecular and Cellular Mechanisms. *Chronic Stress*, **2017**, 1,	3	41
262	Cariprazine Exhibits Anxiolytic and Dopamine D3 Receptor-Dependent Antidepressant Effects in the Chronic Stress Model. *International Journal of Neuropsychopharmacology*, **2017**, 20, 788-796	5.8	45
261	Phosphodiesterase-1b (Pde1b) knockout mice are resistant to forced swim and tail suspension induced immobility and show upregulation of Pde10a. *Psychopharmacology*, **2017**, 234, 1803-1813	4.7	16
260	Cacna1c in the Prefrontal Cortex Regulates Depression-Related Behaviors via REDD1. *Neuropsychopharmacology*, **2017**, 42, 2032-2042	8.7	29
259	Stress induces equivalent remodeling of hippocampal spine synapses in a simulated postpartum environment and in a female rat model of major depression. *Neuroscience*, **2017**, 343, 384-397	3.9	13
258	Ketamine accelerates fear extinction via mTORC1 signaling. *Neurobiology of Disease*, **2017**, 100, 1-8	7.5	71
257	Molecular and Cellular Effects of Traumatic Stress: Implications for PTSD. *Current Psychiatry Reports* , **2017**, 19, 85	9.1	22
256	Sex-specific disease-associated modules for depression. *Nature Medicine*, **2017**, 23, 1015-1017	50.5	7
255	Beta-hydroxybutyrate, an endogenic NLRP3 inflammasome inhibitor, attenuates stress-induced behavioral and inflammatory responses. *Scientific Reports*, **2017**, 7, 7677	4.9	92

254	Altered metabotropic glutamate receptor 5 markers in PTSD: In vivo and postmortem evidence. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8390-8395	11.5	75
253	Circuit and synaptic mechanisms of repeated stress: Perspectives from differing contexts, duration, and development. *Neurobiology of Stress*, **2017**, 7, 137-151	7.6	25
252	389. In Vivo Evidence of Lower Synaptic Density in Depression and Associated Mood and Cognitive Deficits: A [11C]UCB-J PET Imaging Study. *Biological Psychiatry*, **2017**, 81, S159	7.9	3
251	Characterization of GABAergic marker expression in the chronic unpredictable stress model of depression. *Chronic Stress*, **2017**, 1,	3	46
250	Prefrontal Cortex GABAergic Deficits and Circuit Dysfunction in the Pathophysiology and Treatment of Chronic Stress and Depression. *Current Opinion in Behavioral Sciences*, **2017**, 14, 1-8	4	81
249	GLYX-13 Produces Rapid Antidepressant Responses with Key Synaptic and Behavioral Effects Distinct from Ketamine. *Neuropsychopharmacology*, **2017**, 42, 1231-1242	8.7	72
248	Synaptic Loss and the Pathophysiology of PTSD: Implications for Ketamine as a Prototype Novel Therapeutic. *Current Psychiatry Reports*, **2017**, 19, 74	9.1	53
247	Novel rapid-acting antidepressants: molecular and cellular signaling mechanisms. *Neuronal Signaling*, **2017**, 1,	3.7	5
246	Molecular and Cellular Mechanisms of Rapid-Acting Antidepressants Ketamine and Scopolamine. *Current Neuropharmacology*, **2017**, 15, 11-20	7.6	86
245	Fast-acting antidepressants rapidly stimulate ERK signaling and BDNF release in primary neuronal cultures. *Neuropharmacology*, **2016**, 111, 242-252	5.5	99
244	Constance E. Lieber, Theodore R. Stanley, and the Enduring Impact of Philanthropy on Psychiatry Research. *Biological Psychiatry*, **2016**, 80, 84-86	7.9	2
243	Integrating neuroimmune systems in the neurobiology of depression. *Nature Reviews Neuroscience*, **2016**, 17, 497-511	13.5	338
242	High-Fat Diet Induced Anxiety and Anhedonia: Impact on Brain Homeostasis and Inflammation. *Neuropsychopharmacology*, **2016**, 41, 1874-87	8.7	159
241	Emerging treatment mechanisms for depression: focus on glutamate and synaptic plasticity. *Drug Discovery Today*, **2016**, 21, 454-64	8.8	172
240	Psychological Stress Activates the Inflammasome via Release of Adenosine Triphosphate and Stimulation of the Purinergic Type 2X7 Receptor. *Biological Psychiatry*, **2016**, 80, 12-22	7.9	211
239	GABA interneurons mediate the rapid antidepressant-like effects of scopolamine. *Journal of Clinical Investigation*, **2016**, 126, 2482-94	15.9	87
238	The Connecticut Mental Health Center: Celebrating 50 Years of a Successful Partnership Between the State and Yale University. *Psychiatric Services*, **2016**, 67, 1286-1289	3.3	2
237	Fibroblast Growth Factor 2 Modulates Hypothalamic Pituitary Axis Activity and Anxiety Behavior Through Glucocorticoid Receptors. *Biological Psychiatry*, **2016**, 80, 479-489	7.9	37

236	Synaptic plasticity and depression: new insights from stress and rapid-acting antidepressants. *Nature Medicine*, **2016**, 22, 238-49	50.5	732
235	Vascular endothelial growth factor receptor 3 controls neural stem cell activation in mice and humans. *Cell Reports*, **2015**, 10, 1158-72	10.6	49
234	Ribosomal protein S6 kinase 1 signaling in prefrontal cortex controls depressive behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 6188-93	11.5	53
233	Ketamine Strengthens CRF-Activated Amygdala Inputs to Basal Dendrites in mPFC Layer V Pyramidal Cells in the Prelimbic but not Infralimbic Subregion, A Key Suppressor of Stress Responses. *Neuropsychopharmacology*, **2015**, 40, 2066-75	8.7	38
232	Functional differentiation of adult-born neurons along the septotemporal axis of the dentate gyrus. *Cold Spring Harbor Perspectives in Biology*, **2015**, 7, a018978	10.2	36
231	Rapid antidepressant actions of scopolamine: Role of medial prefrontal cortex and M1-subtype muscarinic acetylcholine receptors. *Neurobiology of Disease*, **2015**, 82, 254-261	7.5	80
230	Ketamine and rapid-acting antidepressants: a window into a new neurobiology for mood disorder therapeutics. *Annual Review of Medicine*, **2015**, 66, 509-23	17.4	247
229	BICC1 expression is elevated in depressed subjects and contributes to depressive behavior in rodents. *Neuropsychopharmacology*, **2015**, 40, 711-8	8.7	14
228	Neurobiologic Foundations of Mood Disorders **2015**, 341-358		
227	Decreased SGK1 Expression and Function Contributes to Behavioral Deficits Induced by Traumatic Stress. *PLoS Biology*, **2015**, 13, e1002282	9.7	45
226	Optogenetic stimulation of infralimbic PFC reproduces ketamine's rapid and sustained antidepressant actions. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8106-11	11.5	158
225	Ketamine produces antidepressant-like effects through phosphorylation-dependent nuclear export of histone deacetylase 5 (HDAC5) in rats. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15755-60	11.5	42
224	Targeted ablation of cholinergic interneurons in the dorsolateral striatum produces behavioral manifestations of Tourette syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 893-8	11.5	105
223	Spine synapse remodeling in the pathophysiology and treatment of depression. *Neuroscience Letters*, **2015**, 601, 20-9	3.3	155
222	The Role of Immune Cells in the Brain during Physiological and Pathological Conditions. *Psychiatric Annals*, **2015**, 45, 232-239	0.5	1
221	BDNF release is required for the behavioral actions of ketamine. *International Journal of Neuropsychopharmacology*, **2014**, 18,	5.8	192
220	Neurobiology of stress, depression, and rapid acting antidepressants: remodeling synaptic connections. *Depression and Anxiety*, **2014**, 31, 291-6	8.4	136
219	REDD1 is essential for stress-induced synaptic loss and depressive behavior. *Nature Medicine*, **2014**, 20, 531-5	50.5	184

218	Neurobiology of rapid acting antidepressants: role of BDNF and GSK-3 *Neuropsychopharmacology*, **2014**, 39, 233	8.7	32
217	Chronic corticosterone exposure persistently elevates the expression of memory-related genes in the lateral amygdala and enhances the consolidation of a Pavlovian fear memory. *PLoS ONE*, **2014**, 9, e91530	3.7	22
216	Overexpression of human GATA-1 and GATA-2 interferes with spine formation and produces depressive behavior in rats. *PLoS ONE*, **2014**, 9, e109253	3.7	14
215	Pathophysiology of depression and innovative treatments: remodeling glutamatergic synaptic connections. *Dialogues in Clinical Neuroscience*, **2014**, 16, 11-27	5.7	160
214	Depression and treatment response: dynamic interplay of signaling pathways and altered neural processes. *Cellular and Molecular Life Sciences*, **2013**, 70, 39-53	10.3	58
213	New paradigms for treatment-resistant depression. *Annals of the New York Academy of Sciences*, **2013**, 1292, 21-31	6.5	82
212	mGluR2/3 blockade produces rapid and long-lasting reversal of anhedonia caused by chronic stress exposure. *Journal of Molecular Psychiatry*, **2013**, 1, 15		59
211	GSK-3 inhibition potentiates the synaptogenic and antidepressant-like effects of subthreshold doses of ketamine. *Neuropsychopharmacology*, **2013**, 38, 2268-77	8.7	177
210	The inflammasome: pathways linking psychological stress, depression, and systemic illnesses. *Brain, Behavior, and Immunity*, **2013**, 31, 105-14	16.6	356
209	Remodeling of axo-spinous synapses in the pathophysiology and treatment of depression. *Neuroscience*, **2013**, 251, 33-50	3.9	111
208	Environmental and pharmacological modulations of cellular plasticity: role in the pathophysiology and treatment of depression. *Neurobiology of Disease*, **2013**, 57, 28-37	7.5	67
207	Activation of mammalian target of rapamycin and synaptogenesis: role in the actions of rapid-acting antidepressants. *Biological Psychiatry*, **2013**, 73, 1189-98	7.9	86
206	Scopolamine rapidly increases mammalian target of rapamycin complex 1 signaling, synaptogenesis, and antidepressant behavioral responses. *Biological Psychiatry*, **2013**, 74, 742-9	7.9	198
205	Illuminating hippocampal control of fear memory and anxiety. *Neuron*, **2013**, 77, 803-6	13.9	23
204	Vascular growth factors in neuropsychiatry. *Cellular and Molecular Life Sciences*, **2013**, 70, 1739-52	10.3	34
203	A Bcl-xL-Drp1 complex regulates synaptic vesicle membrane dynamics during endocytosis. *Nature Cell Biology*, **2013**, 15, 773-85	23.4	96
202	Rapid-acting glutamatergic antidepressants: the path to ketamine and beyond. *Biological Psychiatry* , **2013**, 73, 1133-41	7.9	302
201	Altered expression of synapse and glutamate related genes in post-mortem hippocampus of depressed subjects. *International Journal of Neuropsychopharmacology*, **2013**, 16, 69-82	5.8	185

200	Signaling pathways underlying the rapid antidepressant actions of ketamine. *Neuropharmacology*, **2012**, 62, 35-41	5.5	373
199	Vascular endothelial growth factor regulates adult hippocampal cell proliferation through MEK/ERK- and PI3K/Akt-dependent signaling. *Neuropharmacology*, **2012**, 63, 642-52	5.5	121
198	Signaling pathways underlying the pathophysiology and treatment of depression: novel mechanisms for rapid-acting agents. *Trends in Neurosciences*, **2012**, 35, 47-56	13.3	464
197	Synaptic dysfunction in depression: potential therapeutic targets. *Science*, **2012**, 338, 68-72	33.3	816
196	Role of vascular endothelial growth factor in adult hippocampal neurogenesis: implications for the pathophysiology and treatment of depression. *Behavioural Brain Research*, **2012**, 227, 440-9	3.4	104
195	Analysis of target genes regulated by chronic electroconvulsive therapy reveals role for Fzd6 in depression. *Biological Psychiatry*, **2012**, 71, 51-8	7.9	19
194	Brain-derived neurotrophic factor Val66Met allele impairs basal and ketamine-stimulated synaptogenesis in prefrontal cortex. *Biological Psychiatry*, **2012**, 71, 996-1005	7.9	286
193	Antidepressant effects of fibroblast growth factor-2 in behavioral and cellular models of depression. *Biological Psychiatry*, **2012**, 72, 258-65	7.9	110
192	Adult neurogenesis: nature versus nurture. *Biological Psychiatry*, **2012**, 72, 256-7	7.9	2
191	The roles of neurotrophic factor and Wnt signaling in depression. *Clinical Pharmacology and Therapeutics*, **2012**, 91, 333-8	6.1	52
190	A neurotrophic hypothesis of depression: role of synaptogenesis in the actions of NMDA receptor antagonists. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 2475-84	5.8	213
189	Electroconvulsive seizure promotes spine maturation in newborn dentate granule cells in adult rat. *Developmental Neurobiology*, **2012**, 72, 937-42	3.2	28
188	mTOR activation is required for the antidepressant effects of mGluR2/3 blockade. *International Journal of Neuropsychopharmacology*, **2012**, 15, 429-34	5.8	123
187	Decreased expression of synapse-related genes and loss of synapses in major depressive disorder. *Nature Medicine*, **2012**, 18, 1413-7	50.5	467
186	Neuritin produces antidepressant actions and blocks the neuronal and behavioral deficits caused by chronic stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 11378-83	11.5	73
185	Glutamate N-methyl-D-aspartate receptor antagonists rapidly reverse behavioral and synaptic deficits caused by chronic stress exposure. *Biological Psychiatry*, **2011**, 69, 754-61	7.9	763
184	Affiliative behavior requires juvenile, but not adult neurogenesis. *Journal of Neuroscience*, **2011**, 31, 14336-45	6.5	58
183	Post-weaning chronic social isolation produces profound behavioral dysregulation with decreases in prefrontal cortex synaptic-associated protein expression in female rats. *Physiology and Behavior*, **2011**, 104, 354-9	3.5	71

182	Cell atrophy and loss in depression: reversal by antidepressant treatment. *Current Opinion in Cell Biology*, **2011**, 23, 730-7	9	139
181	Functional biomarkers of depression: diagnosis, treatment, and pathophysiology. *Neuropsychopharmacology*, **2011**, 36, 2375-94	8.7	305
180	Antipsychotic-induced gene regulation in multiple brain regions. *Journal of Neurochemistry*, **2010**, 113, 175-87	6	21
179	A negative regulator of MAP kinase causes depressive behavior. *Nature Medicine*, **2010**, 16, 1328-32	50.5	311
178	Peripheral BDNF produces antidepressant-like effects in cellular and behavioral models. *Neuropsychopharmacology*, **2010**, 35, 2378-91	8.7	287
177	Nuclear factor-kappaB is a critical mediator of stress-impaired neurogenesis and depressive behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 2669-74	11.5	432
176	Effects of estradiol on learned helplessness and associated remodeling of hippocampal spine synapses in female rats. *Biological Psychiatry*, **2010**, 67, 168-74	7.9	57
175	Wnt2 expression and signaling is increased by different classes of antidepressant treatments. *Biological Psychiatry*, **2010**, 68, 521-7	7.9	88
174	mTOR-dependent synapse formation underlies the rapid antidepressant effects of NMDA antagonists. *Science*, **2010**, 329, 959-64	33.3	1868
173	Effects of the brain-derived neurotrophic growth factor val66met variation on hippocampus morphology in bipolar disorder. *Neuropsychopharmacology*, **2009**, 34, 944-51	8.7	89
172	Chronic treatment with AMPA receptor potentiator Org 26576 increases neuronal cell proliferation and survival in adult rodent hippocampus. *Psychopharmacology*, **2009**, 206, 215-22	4.7	19
171	Peripheral insulin-like growth factor-I produces antidepressant-like behavior and contributes to the effect of exercise. *Behavioural Brain Research*, **2009**, 198, 366-71	3.4	98
170	Interleukin-1 receptor null mutant mice show decreased anxiety-like behavior and enhanced fear memory. *Neuroscience Letters*, **2009**, 456, 39-43	3.3	94
169	Remodeling of hippocampal spine synapses in the rat learned helplessness model of depression. *Biological Psychiatry*, **2009**, 65, 392-400	7.9	162
168	Vascular endothelial growth factor signaling is required for the behavioral actions of antidepressant treatment: pharmacological and cellular characterization. *Neuropsychopharmacology*, **2009**, 34, 2459-68	8.7	120
167	Eszopiclone and fluoxetine enhance the survival of newborn neurons in the adult rat hippocampus. *International Journal of Neuropsychopharmacology*, **2009**, 12, 1421-8	5.8	11
166	Evidence for IL-1 receptor blockade as a therapeutic strategy for the treatment of depression. *Current Opinion in Investigational Drugs*, **2009**, 10, 664-71		63
165	Neuronal damage and protection in the pathophysiology and treatment of psychiatric illness: stress and depression. *Dialogues in Clinical Neuroscience*, **2009**, 11, 239-55	5.7	128

164	Blocking TGF-beta-Smad2/3 innate immune signaling mitigates Alzheimer-like pathology. *Nature Medicine*, **2008**, 14, 681-7	50.5	353
163	Electroconvulsive seizure restores neurogenesis and hippocampus-dependent fear memory after disruption by irradiation. *European Journal of Neuroscience*, **2008**, 27, 1485-93	3.5	63
162	Voluntary exercise produces antidepressant and anxiolytic behavioral effects in mice. *Brain Research*, **2008**, 1199, 148-58	3.7	319
161	Regionally specific regulation of ERK MAP kinase in a model of antidepressant-sensitive chronic depression. *Biological Psychiatry*, **2008**, 63, 353-9	7.9	222
160	It is time to take a stand for medical research and against terrorism targeting medical scientists. *Biological Psychiatry*, **2008**, 63, 725-7	7.9	7
159	A postpartum model in rat: behavioral and gene expression changes induced by ovarian steroid deprivation. *Biological Psychiatry*, **2008**, 64, 311-9	7.9	106
158	Serum brain-derived neurotrophic factor, depression, and antidepressant medications: meta-analyses and implications. *Biological Psychiatry*, **2008**, 64, 527-32	7.9	891
157	Glial loss in the prefrontal cortex is sufficient to induce depressive-like behaviors. *Biological Psychiatry*, **2008**, 64, 863-70	7.9	407
156	Influence of vascular endothelial growth factor variation on human hippocampus morphology. *Biological Psychiatry*, **2008**, 64, 901-3	7.9	46
155	Future Antidepressant Targets: Neurotrophic Factors and Related Signaling Cascades. *Drug Discovery Today: Therapeutic Strategies*, **2008**, 5, 151-156		58
154	Keeping Src Sof antidepressant actions. *Neuron*, **2008**, 59, 349-51	13.9	15
153	VEGF as a potential target for therapeutic intervention in depression. *Current Opinion in Pharmacology*, **2008**, 8, 14-9	5.1	109
152	Antipsychotic drugs: comparison in animal models of efficacy, neurotransmitter regulation, and neuroprotection. *Pharmacological Reviews*, **2008**, 60, 358-403	22.5	190
151	IL-1beta is an essential mediator of the antineurogenic and anhedonic effects of stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 751-6	11.5	666
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