

Scott M Thompson

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

3,668
citations

304743

22
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

4612
citing authors

#	ARTICLE	IF	CITATIONS
1	NMDAR inhibition-independent antidepressant actions of ketamine metabolites. <i>Nature</i> , 2016, 533, 481-486.	27.8	1,246
2	An excitatory synapse hypothesis of depression. <i>Trends in Neurosciences</i> , 2015, 38, 279-294.	8.6	221
3	Reward behaviour is regulated by the strength of hippocampus nucleus accumbens synapses. <i>Nature</i> , 2018, 564, 258-262.	27.8	189
4	Compartmentalized and Binary Behavior of Terminal Dendrites in Hippocampal Pyramidal Neurons. <i>Science</i> , 2001, 293, 2272-2275.	12.6	177
5	Harnessing psilocybin: antidepressant-like behavioral and synaptic actions of psilocybin are independent of 5-HT2R activation in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	173
6	Chronic Stress Induces a Selective Decrease in AMPA Receptor-Mediated Synaptic Excitation at Hippocampal Temporoammonic-CA1 Synapses. <i>Journal of Neuroscience</i> , 2013, 33, 15669-15674.	3.6	154
7	Local potentiation of excitatory synapses by serotonin and its alteration in rodent models of depression. <i>Nature Neuroscience</i> , 2013, 16, 464-472.	14.8	129
8	Convergent Mechanisms Underlying Rapid Antidepressant Action. <i>CNS Drugs</i> , 2018, 32, 197-227.	5.9	127
9	Sex differences in antidepressant efficacy. <i>Neuropsychopharmacology</i> , 2019, 44, 140-154.	5.4	127
10	Antidepressant-relevant concentrations of the ketamine metabolite (2S,6R)-hydroxynorketamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5160-5169.	7.1	120
11	The critical importance of basic animal research for neuropsychiatric disorders. <i>Neuropsychopharmacology</i> , 2019, 44, 1349-1353.	5.4	106
12	Molecular Pharmacology and Neurobiology of Rapid-Acting Antidepressants. <i>Annual Review of Pharmacology and Toxicology</i> , 2019, 59, 213-236.	9.4	98
13	Long-Term Potentiation Requires a Rapid Burst of Dendritic Mitochondrial Fission during Induction. <i>Neuron</i> , 2018, 100, 860-875.e7.	8.1	97
14	Rapid Antidepressant Action and Restoration of Excitatory Synaptic Strength After Chronic Stress by Negative Modulators of Alpha5-Containing GABA Receptors. <i>Neuropsychopharmacology</i> , 2015, 40, 2499-2509.	5.4	96
15	A Negative Allosteric Modulator for $\alpha 5$ Subunit-Containing GABA Receptors Exerts a Rapid and Persistent Antidepressant-Like Action without the Side Effects of the NMDA Receptor Antagonist Ketamine in Mice. <i>ENeuro</i> , 2017, 4, ENEURO.0285-16.2017.	1.9	88
16	Motor neuron disease, TDP-43 pathology, and memory deficits in mice expressing ALS/FTD-linked UBQLN2 mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7580-E7589.	7.1	77
17	Corticosterone mediates the synaptic and behavioral effects of chronic stress at rat hippocampal temporoammonic synapses. <i>Journal of Neurophysiology</i> , 2015, 114, 1713-1724.	1.8	64
18	(2S,6R)-hydroxynorketamine exerts antidepressant actions partly via conversion to (2R,6R)-hydroxynorketamine, while causing adverse effects at subanaesthetic doses. <i>British Journal of Pharmacology</i> , 2019, 176, 2573-2592.	5.4	61

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19	Activation of intrinsic hippocampal theta oscillations by acetylcholine in rat septo-hippocampal cocultures. <i>Journal of Physiology</i> , 1999, 519, 405-413.	2.9	53
20	Subsynaptic positioning of AMPARs by LRRTM2 controls synaptic strength. <i>Science Advances</i> , 2021, 7, .	10.3	43
21	(2R,6R)-hydroxynorketamine rapidly potentiates hippocampal glutamatergic transmission through a synapse-specific presynaptic mechanism. <i>Neuropsychopharmacology</i> , 2020, 45, 426-436.	5.4	42
22	Zanos et al. reply. <i>Nature</i> , 2017, 546, E4-E5.	27.8	29
23	Preparation and Maintenance of Organotypic Slice Cultures of CNS Tissue. <i>Current Protocols in Neuroscience</i> , 1999, 9, Unit 6.11.	2.6	20
24	Flashy Science: Controlling Neural Function with Light. <i>Journal of Neuroscience</i> , 2005, 25, 10358-10365.	3.6	19
25	Excitatory synaptic transmission and its modulation by PKC is unchanged in the hippocampus of GAP-43- deficient mice. <i>European Journal of Neuroscience</i> , 1999, 11, 433-440.	2.6	18
26	Evidence of calcium-permeable AMPA receptors in dendritic spines of CA1 pyramidal neurons. <i>Journal of Neurophysiology</i> , 2014, 112, 263-275.	1.8	17
27	Pubertal adversity alters chromatin dynamics and stress circuitry in the pregnant brain. <i>Neuropsychopharmacology</i> , 2020, 45, 1263-1271.	5.4	17
28	Negative Allosteric Modulation of Gamma-Aminobutyric Acid A Receptors at $\alpha 5$ Subunit Containing Benzodiazepine Sites Reverses Stress-Induced Anhedonia and Weakened Synaptic Function in Mice. <i>Biological Psychiatry</i> , 2022, 92, 216-226.	1.3	14
29	IA in Play. <i>Neuron</i> , 2007, 54, 850-852.	8.1	11
30	NEUROSCIENCE: Matching at the Synapse. <i>Science</i> , 2005, 308, 800-801.	12.6	3
31	Perturbations of dendritic excitability in epilepsy. <i>Epilepsia</i> , 2010, 51, 44-44.	5.1	2
32	The synaptic basis of disease. <i>European Journal of Neuroscience</i> , 2014, 39, 1057-1058.	2.6	1
33	Optimizing psychedelic compounds for neuropsychiatric therapy. <i>Neuropsychopharmacology</i> , 2021, 46, 1397-1398.	5.4	1