

Todd D Gould

List of Publications by Citations

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97
papers

11,534
citations

43
h-index

106
g-index

106
ext. papers

13,192
ext. citations

7.9
avg, IF

6.57
L-index

#	Paper	IF	Citations
97	The endophenotype concept in psychiatry: etymology and strategic intentions. <i>American Journal of Psychiatry</i> , 2003 , 160, 636-45	11.9	4393
96	NMDAR inhibition-independent antidepressant actions of ketamine metabolites. <i>Nature</i> , 2016 , 533, 481-6	50.4	903
95	The role of the extracellular signal-regulated kinase signaling pathway in mood modulation. <i>Journal of Neuroscience</i> , 2003 , 23, 7311-6	6.6	414
94	Ketamine and Ketamine Metabolite Pharmacology: Insights into Therapeutic Mechanisms. <i>Pharmacological Reviews</i> , 2018 , 70, 621-660	22.5	395
93	Mood stabilizer valproate promotes ERK pathway-dependent cortical neuronal growth and neurogenesis. <i>Journal of Neuroscience</i> , 2004 , 24, 6590-9	6.6	345
92	Toward constructing an endophenotype strategy for bipolar disorders. <i>Biological Psychiatry</i> , 2006 , 60, 93-105	7.9	344
91	Glycogen synthase kinase-3: a putative molecular target for lithium mimetic drugs. <i>Neuropsychopharmacology</i> , 2005 , 30, 1223-37	8.7	303
90	AR-A014418, a selective GSK-3 inhibitor, produces antidepressant-like effects in the forced swim test. <i>International Journal of Neuropsychopharmacology</i> , 2004 , 7, 387-90	5.8	253
89	The mouse forced swim test. <i>Journal of Visualized Experiments</i> , 2012 , e3638	1.6	188
88	In vivo evidence in the brain for lithium inhibition of glycogen synthase kinase-3. <i>Neuropsychopharmacology</i> , 2004 , 29, 32-8	8.7	183
87	CACNA1C (Cav1.2) in the pathophysiology of psychiatric disease. <i>Progress in Neurobiology</i> , 2012 , 99, 1-14	10.9	179
86	Molecular effects of lithium. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2004 , 4, 259-72		159
85	Glycogen synthase kinase-3: a target for novel bipolar disorder treatments. <i>Journal of Clinical Psychiatry</i> , 2004 , 65, 10-21	4.6	146
84	The Wnt signaling pathway in bipolar disorder. <i>Neuroscientist</i> , 2002 , 8, 497-511	7.6	133
83	Mood disorder susceptibility gene CACNA1C modifies mood-related behaviors in mice and interacts with sex to influence behavior in mice and diagnosis in humans. <i>Biological Psychiatry</i> , 2010 , 68, 801-10	7.9	131
82	Mood stabilizers target cellular plasticity and resilience cascades: implications for the development of novel therapeutics. <i>Molecular Neurobiology</i> , 2005 , 32, 173-202	6.2	123
81	Ketamine has distinct electrophysiological and behavioral effects in depressed and healthy subjects. <i>Molecular Psychiatry</i> , 2019 , 24, 1040-1052	15.1	123

80	Beta-catenin overexpression in the mouse brain phenocopies lithium-sensitive behaviors. <i>Neuropsychopharmacology</i> , 2007 , 32, 2173-83	8.7	121
79	Targeting glycogen synthase kinase-3 in the CNS: implications for the development of new treatments for mood disorders. <i>Current Drug Targets</i> , 2006 , 7, 1399-409	3	106
78	The behavioral actions of lithium in rodent models: leads to develop novel therapeutics. <i>Neuroscience and Biobehavioral Reviews</i> , 2007 , 31, 932-62	9	102
77	Strain differences in lithium attenuation of d-amphetamine-induced hyperlocomotion: a mouse model for the genetics of clinical response to lithium. <i>Neuropsychopharmacology</i> , 2007 , 32, 1321-33	8.7	101
76	Signaling networks in the pathophysiology and treatment of mood disorders. <i>Journal of Psychosomatic Research</i> , 2002 , 53, 687-97	4.1	101
75	Animal models of bipolar disorder and mood stabilizer efficacy: a critical need for improvement. <i>Neuroscience and Biobehavioral Reviews</i> , 2007 , 31, 825-31	9	99
74	Convergent Mechanisms Underlying Rapid Antidepressant Action. <i>CNS Drugs</i> , 2018 , 32, 197-227	6.7	92
73	Involvement of AMPA receptors in the antidepressant-like effects of lithium in the mouse tail suspension test and forced swim test. <i>Neuropharmacology</i> , 2008 , 54, 577-87	5.5	92
72	Performance on a virtual reality spatial memory navigation task in depressed patients. <i>American Journal of Psychiatry</i> , 2007 , 164, 516-9	11.9	82
71	Allergic rhinitis induces anxiety-like behavior and altered social interaction in rodents. <i>Brain, Behavior, and Immunity</i> , 2009 , 23, 784-93	16.6	79
70	Antidepressant-relevant concentrations of the ketamine metabolite (2,6)-hydroxynorketamine do not block NMDA receptor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5160-5169	11.5	77
69	The Prodrug 4-Chlorokynurenine Causes Ketamine-Like Antidepressant Effects, but Not Side Effects, by NMDA/GlycineB-Site Inhibition. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 355, 76-85	4.7	77
68	Molecular actions and clinical pharmacogenetics of lithium therapy. <i>Pharmacology Biochemistry and Behavior</i> , 2014 , 123, 3-16	3.9	76
67	Lithium's antisuicidal efficacy: elucidation of neurobiological targets using endophenotype strategies. <i>Annual Review of Pharmacology and Toxicology</i> , 2009 , 49, 175-98	17.9	75
66	Post-mortem interval effects on the phosphorylation of signaling proteins. <i>Neuropsychopharmacology</i> , 2003 , 28, 1017-25	8.7	74
65	(-)-hydroxynorketamine exerts mGlu receptor-dependent antidepressant actions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6441-6450	11.5	73
64	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	11.5	65
63	Generation and behavioral characterization of beta-catenin forebrain-specific conditional knock-out mice. <i>Behavioural Brain Research</i> , 2008 , 189, 117-25	3.4	62

62	A Negative Allosteric Modulator for β 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,	3.9	61
61	Effects of Ketamine and Ketamine Metabolites on Evoked Striatal Dopamine Release, Dopamine Receptors, and Monoamine Transporters. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 359, 159-70	4.7	61
60	Molecular Pharmacology and Neurobiology of Rapid-Acting Antidepressants. <i>Annual Review of Pharmacology and Toxicology</i> , 2019 , 59, 213-236	17.9	59
59	Altered performance on an ocular fixation task in attention-deficit/hyperactivity disorder. <i>Biological Psychiatry</i> , 2001 , 50, 633-5	7.9	55
58	Plasma metabolomic profiling of a ketamine and placebo crossover trial of major depressive disorder and healthy control subjects. <i>Psychopharmacology</i> , 2018 , 235, 3017-3030	4.7	53
57	Antidepressant-like responses to lithium in genetically diverse mouse strains. <i>Genes, Brain and Behavior</i> , 2011 , 10, 434-43	3.6	50
56	Mood stabilizer psychopharmacology. <i>Clinical Neuroscience Research</i> , 2002 , 2, 193-212		47
55	Effects of a glycogen synthase kinase-3 inhibitor, lithium, in adenomatous polyposis coli mutant mice. <i>Pharmacological Research</i> , 2003 , 48, 49-53	10.2	44
54	DARPP-32: A molecular switch at the nexus of reward pathway plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 253-4	11.5	42
53	(R)-Ketamine exerts antidepressant actions partly via conversion to (2R,6R)-hydroxynorketamine, while causing adverse effects at sub-anaesthetic doses. <i>British Journal of Pharmacology</i> , 2019 , 176, 2573-2592	8.6	38
52	Synthesis and N-Methyl-d-aspartate (NMDA) Receptor Activity of Ketamine Metabolites. <i>Organic Letters</i> , 2017 , 19, 4572-4575	6.2	38
51	Dopamine and Stress System Modulation of Sex Differences in Decision Making. <i>Neuropsychopharmacology</i> , 2018 , 43, 313-324	8.7	35
50	The prodrug DHED selectively delivers ¹⁷ β estradiol to the brain for treating estrogen-responsive disorders. <i>Science Translational Medicine</i> , 2015 , 7, 297ra113	17.5	31
49	Ubiquilin-1 overexpression increases the lifespan and delays accumulation of Huntingtin aggregates in the R6/2 mouse model of Huntington's disease. <i>PLoS ONE</i> , 2014 , 9, e87513	3.7	31
48	Group II metabotropic glutamate receptor blockade promotes stress resilience in mice. <i>Neuropsychopharmacology</i> , 2019 , 44, 1788-1796	8.7	29
47	Advances in multidisciplinary and cross-species approaches to examine the neurobiology of psychiatric disorders. <i>European Neuropsychopharmacology</i> , 2011 , 21, 532-44	1.2	29
46	Shock-induced aggression in mice is modified by lithium. <i>Pharmacology Biochemistry and Behavior</i> , 2010 , 94, 380-6	3.9	29
45	Targeting glycogen synthase kinase-3 as an approach to develop novel mood-stabilising medications. <i>Expert Opinion on Therapeutic Targets</i> , 2006 , 10, 377-92	6.4	29

44	Intracellular Signaling Pathways Involved in (S)- and (R)-Ketamine Antidepressant Actions. <i>Biological Psychiatry</i> , 2018 , 83, 2-4	7.9	27
43	Lithium, but not valproate, reduces impulsive choice in the delay-discounting task in mice. <i>Neuropsychopharmacology</i> , 2013 , 38, 1937-44	8.7	26
42	(2R,6R)-hydroxynorketamine rapidly potentiates hippocampal glutamatergic transmission through a synapse-specific presynaptic mechanism. <i>Neuropsychopharmacology</i> , 2020 , 45, 426-436	8.7	25
41	Reduced levels of Cacna1c attenuate mesolimbic dopamine system function. <i>Genes, Brain and Behavior</i> , 2017 , 16, 495-505	3.6	22
40	Immune status influences fear and anxiety responses in mice after acute stress exposure. <i>Brain, Behavior, and Immunity</i> , 2014 , 38, 192-201	16.6	22
39	Decreased Nucleus Accumbens Expression of Psychiatric Disorder Risk Gene Cacna1c Promotes Susceptibility to Social Stress. <i>International Journal of Neuropsychopharmacology</i> , 2017 , 20, 428-433	5.8	22
38	Zanos et al. reply. <i>Nature</i> , 2017 , 546, E4-E5	50.4	21
37	Mouse, rat, and dog bioavailability and mouse oral antidepressant efficacy of ()-hydroxynorketamine. <i>Journal of Psychopharmacology</i> , 2019 , 33, 12-24	4.6	21
36	Reply to: Antidepressant Actions of Ketamine Versus Hydroxynorketamine. <i>Biological Psychiatry</i> , 2017 , 81, e69-e71	7.9	20
35	A Randomized Trial of the N-Methyl-d-Aspartate Receptor Glycine Site Antagonist Prodrug 4-Chlorokynurenine in Treatment-Resistant Depression. <i>International Journal of Neuropsychopharmacology</i> , 2020 , 23, 417-425	5.8	20
34	Ketamine metabolites, clinical response, and gamma power in a randomized, placebo-controlled, crossover trial for treatment-resistant major depression. <i>Neuropsychopharmacology</i> , 2020 , 45, 1398-1404	8.7	20
33	Sex-dependent modulation of age-related cognitive decline by the L-type calcium channel gene Cacna1c (Cav 1.2). <i>European Journal of Neuroscience</i> , 2015 , 42, 2499-507	3.5	17
32	Hydroxynorketamines: Pharmacology and Potential Therapeutic Applications. <i>Pharmacological Reviews</i> , 2021 , 73, 763-791	22.5	17
31	Alpha2B-Adrenergic Receptor Overexpression in the Brain Potentiate Air Pollution-induced Behavior and Blood Pressure Changes. <i>Toxicological Sciences</i> , 2019 , 169, 95-107	4.4	13
30	Isoflurane but Not Halothane Prevents and Reverses Helpless Behavior: A Role for EEG Burst Suppression?. <i>International Journal of Neuropsychopharmacology</i> , 2018 , 21, 777-785	5.8	13
29	Affect-related behaviors in mice selectively bred for high and low voluntary alcohol consumption. <i>Behavior Genetics</i> , 2012 , 42, 313-22	3.2	13
28	Differential antidepressant-like response to lithium treatment between mouse strains: effects of sex, maternal care, and mixed genetic background. <i>Psychopharmacology</i> , 2013 , 228, 411-8	4.7	12
27	Ketamine Mechanism of Action: Separating the Wheat from the Chaff. <i>Neuropsychopharmacology</i> , 2017 , 42, 368-369	8.7	11

26	Sex-Specific Involvement of Estrogen Receptors in Behavioral Responses to Stress and Psychomotor Activation. <i>Frontiers in Psychiatry</i> , 2019 , 10, 81	5	11
25	Chronic lithium treatment rectifies maladaptive dopamine release in the nucleus accumbens. <i>Journal of Neurochemistry</i> , 2016 , 139, 576-585	6	11
24	Cigarette smoke and nicotine effects on brain proinflammatory responses and behavioral and motor function in HIV-1 transgenic rats. <i>Journal of NeuroVirology</i> , 2018 , 24, 246-253	3.9	10
23	Effect of lithium on behavioral disinhibition induced by electrolytic lesion of the median raphe nucleus. <i>Psychopharmacology</i> , 2015 , 232, 1441-50	4.7	8
22	Psychological stress enhances tumor growth and diminishes radiation response in preclinical model of lung cancer. <i>Radiotherapy and Oncology</i> , 2020 , 146, 126-135	5.3	8
21	Neurotrophic signaling cascades are major long-term targets for lithium: clinical implications. <i>Clinical Neuroscience Research</i> , 2004 , 4, 137-153		8
20	Ketamine and the Future of Rapid-Acting Antidepressants. <i>Annual Review of Clinical Psychology</i> , 2021 , 17, 207-231	20.5	8
19	Treatment of depression with ketamine does not change plasma levels of brain-derived neurotrophic factor or vascular endothelial growth factor. <i>Journal of Affective Disorders</i> , 2021 , 280, 136-139	6.6	8
18	Ketamine metabolite (2R,6R)-hydroxynorketamine reverses behavioral despair produced by adolescent trauma. <i>Pharmacology Biochemistry and Behavior</i> , 2020 , 196, 172973	3.9	7
17	GSK-3 and neurotrophic signaling: novel targets underlying the pathophysiology and treatment of mood disorders?. <i>Drug Discovery Today Disease Mechanisms</i> , 2004 , 1, 419-428		7
16	Mechanisms of Ketamine and its Metabolites as Antidepressants.. <i>Biochemical Pharmacology</i> , 2021 , 114892	11.4	7
15	F102. Human Experimenter Sex Modulates Mouse Behavioral Responses to Stress and to the Antidepressant Ketamine. <i>Biological Psychiatry</i> , 2018 , 83, S277	7.9	6
14	Classical conditioning of antidepressant placebo effects in mice. <i>Psychopharmacology</i> , 2020 , 237, 93-102	4.7	5
13	Antidepressant Effects and Mechanisms of Group II mGlu Receptor-Specific Negative Allosteric Modulators. <i>Neuron</i> , 2020 , 105, 1-3	13.9	4
12	A comparison of the pharmacokinetics and NMDAR antagonism-associated neurotoxicity of ketamine, (2R,6R)-hydroxynorketamine and MK-801. <i>Neurotoxicology and Teratology</i> , 2021 , 87, 106993	3.9	4
11	Irving I. Gottesman (1930-2016): the multifactorial threshold model of complex phenotypes mediated by endophenotype strategies. <i>Genes, Brain and Behavior</i> , 2016 , 15, 775-776	3.6	2
10	Differential lithium efficacy in reducing suicidal behaviors compared with suicidal thoughts. <i>American Journal of Psychiatry</i> , 2012 , 169, 98-9; author reply 99	11.9	2
9	(R,S)-ketamine and (2R,6R)-hydroxynorketamine differentially affect memory as a function of dosing frequency. <i>Translational Psychiatry</i> , 2021 , 11, 583	8.6	2

8	Targeting Neurotrophic Signal Transduction Pathways in the Treatment of Mood Disorders. <i>Current Signal Transduction Therapy</i> , 2007 , 2, 101-110	0.8	2
7	Effects of environmental stress following myocardial infarction on behavioral measures and heart failure progression: The influence of isolated and group housing conditions. <i>Physiology and Behavior</i> , 2015 , 152, 168-74	3.5	1
6	7B2 chaperone knockout in APP model mice results in reduced plaque burden. <i>Scientific Reports</i> , 2018 , 8, 9813	4.9	1
5	Hydroxynorketamine Pharmacokinetics and Antidepressant Behavioral Effects of (2S)- and (5S)-Methyl-(2S)-hydroxynorketamines.. <i>ACS Chemical Neuroscience</i> , 2022 ,	5.7	1
4	Comparative metabolomic analysis in plasma and cerebrospinal fluid of humans and in plasma and brain of mice following antidepressant-dose ketamine administration.. <i>Translational Psychiatry</i> , 2022 , 12, 179	8.6	1
3	Avances en enfoques multidisciplinarios y en diversas especies para el examen de la neurobiología de los trastornos psiquiátricos. <i>Psiquiatría Biológica</i> , 2012 , 19, 9-20	0.2	0
2	Sex-dependent metabolism of ketamine and (S)-hydroxynorketamine in mice and humans.. <i>Journal of Psychopharmacology</i> , 2021 , 2698811211064922	4.6	0
1	(2R,6R)-hydroxynorketamine rapidly potentiates optically-evoked Schaffer collateral synaptic activity. <i>Neuropharmacology</i> , 2022 , 214, 109153	5.5	0