Conor Liston

List of Publications by Year
in descending order

71 papers	10,476 citations	101543 36 h-index	128289 60 g-index
74 all docs	74 docs citations	74 times ranked	13809 citing authors

#	Article	IF	Citations
1	Prelimbic cortex drives discrimination of non-aversion via amygdala somatostatin interneurons. Neuron, 2022, 110, 2258-2267.e11.	8.1	12
2	Astrocytes derived from ASD individuals alter behavior and destabilize neuronal activity through aberrant Ca2+ signaling. Molecular Psychiatry, 2022, 27, 2470-2484.	7.9	26
3	Brain charts for the human lifespan. Nature, 2022, 604, 525-533.	27.8	518
4	Synaptic Mechanisms Regulating Mood State Transitions in Depression. Annual Review of Neuroscience, 2022, 45, 581-601.	10.7	30
5	Spontaneous generation of ASD astrocytes. Molecular Psychiatry, 2022, 27, 2369-2369.	7.9	0
6	Prefrontal feature representations drive memory recall. Nature, 2022, 608, 153-160.	27.8	20
7	Modifiable predictors of nonresponse to psychotherapies for late-life depression with executive dysfunction: a machine learning approach. Molecular Psychiatry, 2021, 26, 5190-5198.	7.9	17
8	Role of BDNF in the development of an OFC-amygdala circuit regulating sociability in mouse and human. Molecular Psychiatry, 2021, 26, 955-973.	7.9	32
9	Dissecting diagnostic heterogeneity in depression by integrating neuroimaging and genetics. Neuropsychopharmacology, 2021, 46, 156-175.	5.4	110
10	Accelerated brain aging predicts impulsivity and symptom severity in depression. Neuropsychopharmacology, 2021, 46, 911-919.	5.4	32
11	A fine-tuned azobenzene for enhanced photopharmacology inÂvivo. Cell Chemical Biology, 2021, 28, 1648-1663.e16.	5.2	35
12	Optical Interrogation of Metabotropic Glutamate Receptorâ€Mediated Modulation of Cortical Circuits using Optimized Photoswitchable Tethered Ligands. FASEB Journal, 2021, 35, .	0.5	0
13	Prefrontal deep projection neurons enable cognitive flexibility via persistent feedback monitoring. Cell, 2021, 184, 2750-2766.e17.	28.9	53
14	MeCP2 for sustained antidepressant effects. Nature Neuroscience, 2021, 24, 1047-1048.	14.8	4
15	Improving precision functional mapping routines with multi-echo fMRI. Current Opinion in Behavioral Sciences, 2021, 40, 113-119.	3.9	19
16	Neurodevelopment of the association cortices: Patterns, mechanisms, and implications for psychopathology. Neuron, 2021, 109, 2820-2846.	8.1	272
17	Individual Differences in the Affective Response to Pandemic-Related Stressors in COVID-19 Health Care Workers. Biological Psychiatry Global Open Science, 2021, 1, 336-344.	2.2	5
18	Cocaine- and stress-primed reinstatement of drug-associated memories elicit differential behavioral and frontostriatal circuit activity patterns via recruitment of L-type Ca2+ channels. Molecular Psychiatry, 2020, 25, 2373-2391.	7.9	14

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19	Reply to: A Closer Look at Depression Biotypes: Correspondence Relating to Grosenick etÂal. (2019). Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 556.	1.5	4
20	GABAergic Restriction of Network Dynamics Regulates Interneuron Survival in the Developing Cortex. Neuron, 2020, 105, 75-92.e5.	8.1	66
21	Branched Photoswitchable Tethered Ligands Enable Ultra-efficient Optical Control and Detection of G Protein-Coupled Receptors InÂVivo. Neuron, 2020, 105, 446-463.e13.	8.1	58
22	mGreenLantern: a bright monomeric fluorescent protein with rapid expression and cell filling properties for neuronal imaging. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30710-30721.	7.1	76
23	Epigenomically Bistable Regions across Neuron-Specific Genes Govern Neuron Eligibility to a Coding Ensemble in the Hippocampus. Cell Reports, 2020, 31, 107789.	6.4	9
24	A dual-virus strategy for the deletion of cacan1c within the prelimbic to nucleus accumbens core projection. Molecular Psychiatry, 2020, 25, 2201-2202.	7.9	0
25	Rapid Precision Functional Mapping of Individuals Using Multi-Echo fMRI. Cell Reports, 2020, 33, 108540.	6.4	96
26	Estimating Psychiatric Outcomes in First Responders. JAMA Network Open, 2020, 3, e2018678.	5.9	0
27	Toward Circuit Mechanisms of Pathophysiology in Depression. American Journal of Psychiatry, 2020, 177, 381-390.	7.2	77
28	Precision Functional Mapping of Corticostriatal and Corticothalamic Circuits: Parallel Processing Reconsidered. Neuron, 2020, 105, 595-597.	8.1	5
29	Causes and Consequences of Diagnostic Heterogeneity in Depression: Paths to Discovering Novel Biological Depression Subtypes. Biological Psychiatry, 2020, 88, 83-94.	1.3	84
30	Branched Photoswitchable Tethered Ligands for Optical Interrogation of Metabotropic Glutamate Receptorâ€Mediated Modulation of Prefrontal Cortex Circuits. FASEB Journal, 2020, 34, 1-1.	0.5	0
31	Intrinsic Brain Network Biomarkers of Antidepressant Response: a Review. Current Psychiatry Reports, 2019, 21, 87.	4.5	55
32	Functional and Optogenetic Approaches to Discovering Stable Subtype-Specific Circuit Mechanisms in Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 554-566.	1.5	23
33	The impact of white matter hyperintensities on the structural connectome in late-life depression: Relationship to executive functions. NeuroImage: Clinical, 2019, 23, 101852.	2.7	44
34	Modeling Patient-Derived Glioblastoma with Cerebral Organoids. Cell Reports, 2019, 26, 3203-3211.e5.	6.4	293
35	Parsing the Hippocampus in Depression: Chronic Stress, Hippocampal Volume, and Major Depressive Disorder. Biological Psychiatry, 2019, 85, 436-438.	1.3	89
36	Changes in Functional Connectivity Following Treatment With Emotion Regulation Therapy. Frontiers in Behavioral Neuroscience, 2019, 13, 10.	2.0	33

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37	Ventral hippocampus interacts with prelimbic cortex during inhibition of threat response via learned safety in both mice and humans. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26970-26979.	7.1	78
38	The microbiota regulate neuronal function and fear extinction learning. Nature, 2019, 574, 543-548.	27.8	302
39	GABA-modulating bacteria of the human gut microbiota. Nature Microbiology, 2019, 4, 396-403.	13.3	590
40	Sustained rescue of prefrontal circuit dysfunction by antidepressant-induced spine formation. Science, 2019, 364, .	12.6	412
41	Targeting pacemaker channels in depression. Science Translational Medicine, 2019, 11, .	12.4	0
42	Rostral anterior cingulate cortex is a structural correlate of repetitive TMS treatment response in depression. Brain Stimulation, 2018, 11, 575-581.	1.6	66
43	A Shared Vision for Machine Learning in Neuroscience. Journal of Neuroscience, 2018, 38, 1601-1607.	3.6	121
44	Activation of a novel p70 S6 kinase 1-dependent intracellular cascade in the basolateral nucleus of the amygdala is required for the acquisition of extinction memory. Molecular Psychiatry, 2018, 23, 1394-1401.	7.9	11
45	Stress response regulation and the hemodynamic response. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10827-10829.	7.1	3
46	New machine-learning technologies for computer-aided diagnosis. Nature Medicine, 2018, 24, 1304-1305.	30.7	72
47	Extinction of auditory threat memory triggers activation of p70 S6 kinase 1 in the basolateral nucleus of the amygdala. Molecular Psychiatry, 2018, 23, 1393-1393.	7.9	0
48	Layer I Interneurons Sharpen Sensory Maps during Neonatal Development. Neuron, 2018, 99, 98-116.e7.	8.1	72
49	The BDNF Val66Met Prodomain Disassembles Dendritic Spines Altering Fear Extinction Circuitry and Behavior. Neuron, 2018, 99, 163-178.e6.	8.1	53
50	An epigenetic target for autism. Science Translational Medicine, 2018, 10, .	12.4	0
51	ELK-1: A molecular substrate of depression. Science Translational Medicine, 2018, 10, .	12.4	0
52	A novel neurostimulation strategy for facilitating fear regulation. Science Translational Medicine, 2018, 10, .	12.4	0
53	Astrocyte dysfunction and compulsive behavior. Science Translational Medicine, 2018, 10, .	12.4	0
54	Decoding the mood network. Science Translational Medicine, 2018, 10, .	12.4	0

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55	Resting-state connectivity biomarkers define neurophysiological subtypes of depression. Nature Medicine, 2017, 23, 28-38.	30.7	1,554
56	Network-Guided Transcranial Magnetic Stimulation for Depression. Current Behavioral Neuroscience Reports, 2017, 4, 70-77.	1.3	23
57	Cortex-wide optical imaging and network analysis of antidepressant effects. Brain, 2017, 140, 2074-2078.	7.6	3
58	Elevated prefrontal cortex GABA in patients with major depressive disorder after TMS treatment measured with proton magnetic resonance spectroscopy. Journal of Psychiatry and Neuroscience, 2016, 41, E37-E45.	2.4	109
59	Dynamic changes in neural circuitry during adolescence are associated with persistent attenuation of fear memories. Nature Communications, 2016, 7, 11475.	12.8	127
60	Transcranial Magnetic Stimulation of Left Dorsolateral Prefrontal Cortex Induces Brain Morphological Changes in Regions Associated with a Treatment Resistant Major Depressive Episode: An Exploratory Analysis. Brain Stimulation, 2016, 9, 577-583.	1.6	73
61	Prefrontal cortical regulation of brainwide circuit dynamics and reward-related behavior. Science, 2016, 351, aac9698.	12.6	427
62	Glucocorticoid mechanisms of functional connectivity changes in stress-related neuropsychiatric disorders. Neurobiology of Stress, 2015, 1, 174-183.	4.0	64
63	Default Mode Network Mechanisms of Transcranial Magnetic Stimulation in Depression. Biological Psychiatry, 2014, 76, 517-526.	1.3	537
64	Circadian glucocorticoid oscillations promote learning-dependent synapse formation and maintenance. Nature Neuroscience, 2013, 16, 698-705.	14.8	308
65	Atypical Prefrontal Connectivity in Attention-Deficit/Hyperactivity Disorder: Pathway to Disease or Pathological End Point?. Biological Psychiatry, 2011, 69, 1168-1177.	1.3	194
66	Glucocorticoids are critical regulators of dendritic spine development and plasticity in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16074-16079.	7.1	291
67	Psychosocial stress reversibly disrupts prefrontal processing and attentional control. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 912-917.	7.1	648
68	Stress-Induced Alterations in Prefrontal Cortical Dendritic Morphology Predict Selective Impairments in Perceptual Attentional Set-Shifting. Journal of Neuroscience, 2006, 26, 7870-7874.	3.6	789
69	Repeated Stress Induces Dendritic Spine Loss in the Rat Medial Prefrontal Cortex. Cerebral Cortex, 2006, 16, 313-320.	2.9	667
70	Frontostriatal Microstructure Modulates Efficient Recruitment of Cognitive Control. Cerebral Cortex, 2006, 16, 553-560.	2.9	424
71	Anterior Cingulate and Posterior Parietal Cortices Are Sensitive to Dissociable Forms of Conflict in a Task-Switching Paradigm. Neuron, 2006, 50, 643-653.	8.1	222