

# Conor Liston

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Resting-state connectivity biomarkers define neurophysiological subtypes of depression. <i>Nature Medicine</i> , 2017, 23, 28-38.	30.7	1,554
2	Stress-Induced Alterations in Prefrontal Cortical Dendritic Morphology Predict Selective Impairments in Perceptual Attentional Set-Shifting. <i>Journal of Neuroscience</i> , 2006, 26, 7870-7874.	3.6	789
3	Repeated Stress Induces Dendritic Spine Loss in the Rat Medial Prefrontal Cortex. <i>Cerebral Cortex</i> , 2006, 16, 313-320.	2.9	667
4	Psychosocial stress reversibly disrupts prefrontal processing and attentional control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 912-917.	7.1	648
5	GABA-modulating bacteria of the human gut microbiota. <i>Nature Microbiology</i> , 2019, 4, 396-403.	13.3	590
6	Default Mode Network Mechanisms of Transcranial Magnetic Stimulation in Depression. <i>Biological Psychiatry</i> , 2014, 76, 517-526.	1.3	537
7	Brain charts for the human lifespan. <i>Nature</i> , 2022, 604, 525-533.	27.8	518
8	Prefrontal cortical regulation of brainwide circuit dynamics and reward-related behavior. <i>Science</i> , 2016, 351, aac9698.	12.6	427
9	Frontostriatal Microstructure Modulates Efficient Recruitment of Cognitive Control. <i>Cerebral Cortex</i> , 2006, 16, 553-560.	2.9	424
10	Sustained rescue of prefrontal circuit dysfunction by antidepressant-induced spine formation. <i>Science</i> , 2019, 364, .	12.6	412
11	Circadian glucocorticoid oscillations promote learning-dependent synapse formation and maintenance. <i>Nature Neuroscience</i> , 2013, 16, 698-705.	14.8	308
12	The microbiota regulate neuronal function and fear extinction learning. <i>Nature</i> , 2019, 574, 543-548.	27.8	302
13	Modeling Patient-Derived Glioblastoma with Cerebral Organoids. <i>Cell Reports</i> , 2019, 26, 3203-3211.e5.	6.4	293
14	Glucocorticoids are critical regulators of dendritic spine development and plasticity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16074-16079.	7.1	291
15	Neurodevelopment of the association cortices: Patterns, mechanisms, and implications for psychopathology. <i>Neuron</i> , 2021, 109, 2820-2846.	8.1	272
16	Anterior Cingulate and Posterior Parietal Cortices Are Sensitive to Dissociable Forms of Conflict in a Task-Switching Paradigm. <i>Neuron</i> , 2006, 50, 643-653.	8.1	222
17	Atypical Prefrontal Connectivity in Attention-Deficit/Hyperactivity Disorder: Pathway to Disease or Pathological End Point?. <i>Biological Psychiatry</i> , 2011, 69, 1168-1177.	1.3	194
18	Dynamic changes in neural circuitry during adolescence are associated with persistent attenuation of fear memories. <i>Nature Communications</i> , 2016, 7, 11475.	12.8	127

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19	A Shared Vision for Machine Learning in Neuroscience. <i>Journal of Neuroscience</i> , 2018, 38, 1601-1607.	3.6	121
20	Dissecting diagnostic heterogeneity in depression by integrating neuroimaging and genetics. <i>Neuropsychopharmacology</i> , 2021, 46, 156-175.	5.4	110
21	Elevated prefrontal cortex GABA in patients with major depressive disorder after TMS treatment measured with proton magnetic resonance spectroscopy. <i>Journal of Psychiatry and Neuroscience</i> , 2016, 41, E37-E45.	2.4	109
22	Rapid Precision Functional Mapping of Individuals Using Multi-Echo fMRI. <i>Cell Reports</i> , 2020, 33, 108540.	6.4	96
23	Parsing the Hippocampus in Depression: Chronic Stress, Hippocampal Volume, and Major Depressive Disorder. <i>Biological Psychiatry</i> , 2019, 85, 436-438.	1.3	89
24	Causes and Consequences of Diagnostic Heterogeneity in Depression: Paths to Discovering Novel Biological Depression Subtypes. <i>Biological Psychiatry</i> , 2020, 88, 83-94.	1.3	84
25	Ventral hippocampus interacts with prelimbic cortex during inhibition of threat response via learned safety in both mice and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26970-26979.	7.1	78
26	Toward Circuit Mechanisms of Pathophysiology in Depression. <i>American Journal of Psychiatry</i> , 2020, 177, 381-390.	7.2	77
27	mGreenLantern: a bright monomeric fluorescent protein with rapid expression and cell filling properties for neuronal imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30710-30721.	7.1	76
28	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. <i>Brain Stimulation</i> , 2016, 9, 577-583.	1.6	73
29	New machine-learning technologies for computer-aided diagnosis. <i>Nature Medicine</i> , 2018, 24, 1304-1305.	30.7	72
30	Layer I Interneurons Sharpen Sensory Maps during Neonatal Development. <i>Neuron</i> , 2018, 99, 98-116.e7.	8.1	72
31	Rostral anterior cingulate cortex is a structural correlate of repetitive TMS treatment response in depression. <i>Brain Stimulation</i> , 2018, 11, 575-581.	1.6	66
32	GABAergic Restriction of Network Dynamics Regulates Interneuron Survival in the Developing Cortex. <i>Neuron</i> , 2020, 105, 75-92.e5.	8.1	66
33	Glucocorticoid mechanisms of functional connectivity changes in stress-related neuropsychiatric disorders. <i>Neurobiology of Stress</i> , 2015, 1, 174-183.	4.0	64
34	Branched Photoswitchable Tethered Ligands Enable Ultra-efficient Optical Control and Detection of G Protein-Coupled Receptors In Vivo. <i>Neuron</i> , 2020, 105, 446-463.e13.	8.1	58
35	Intrinsic Brain Network Biomarkers of Antidepressant Response: a Review. <i>Current Psychiatry Reports</i> , 2019, 21, 87.	4.5	55
36	The BDNF Val66Met Prodomain Disassembles Dendritic Spines Altering Fear Extinction Circuitry and Behavior. <i>Neuron</i> , 2018, 99, 163-178.e6.	8.1	53

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37	Prefrontal deep projection neurons enable cognitive flexibility via persistent feedback monitoring. <i>Cell</i> , 2021, 184, 2750-2766.e17.	28.9	53
38	The impact of white matter hyperintensities on the structural connectome in late-life depression: Relationship to executive functions. <i>NeuroImage: Clinical</i> , 2019, 23, 101852.	2.7	44
39	A fine-tuned azobenzene for enhanced photopharmacology in vivo. <i>Cell Chemical Biology</i> , 2021, 28, 1648-1663.e16.	5.2	35
40	Changes in Functional Connectivity Following Treatment With Emotion Regulation Therapy. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 10.	2.0	33
41	Role of BDNF in the development of an OFC-amygdala circuit regulating sociability in mouse and human. <i>Molecular Psychiatry</i> , 2021, 26, 955-973.	7.9	32
42	Accelerated brain aging predicts impulsivity and symptom severity in depression. <i>Neuropsychopharmacology</i> , 2021, 46, 911-919.	5.4	32
43	Synaptic Mechanisms Regulating Mood State Transitions in Depression. <i>Annual Review of Neuroscience</i> , 2022, 45, 581-601.	10.7	30
44	Astrocytes derived from ASD individuals alter behavior and destabilize neuronal activity through aberrant Ca <sup>2+</sup> signaling. <i>Molecular Psychiatry</i> , 2022, 27, 2470-2484.	7.9	26
45	Network-Guided Transcranial Magnetic Stimulation for Depression. <i>Current Behavioral Neuroscience Reports</i> , 2017, 4, 70-77.	1.3	23
46	Functional and Optogenetic Approaches to Discovering Stable Subtype-Specific Circuit Mechanisms in Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 554-566.	1.5	23
47	Prefrontal feature representations drive memory recall. <i>Nature</i> , 2022, 608, 153-160.	27.8	20
48	Improving precision functional mapping routines with multi-echo fMRI. <i>Current Opinion in Behavioral Sciences</i> , 2021, 40, 113-119.	3.9	19
49	Modifiable predictors of nonresponse to psychotherapies for late-life depression with executive dysfunction: a machine learning approach. <i>Molecular Psychiatry</i> , 2021, 26, 5190-5198.	7.9	17
50	Cocaine- and stress-primed reinstatement of drug-associated memories elicit differential behavioral and frontostriatal circuit activity patterns via recruitment of L-type Ca <sup>2+</sup> channels. <i>Molecular Psychiatry</i> , 2020, 25, 2373-2391.	7.9	14
51	Prelimbic cortex drives discrimination of non-aversion via amygdala somatostatin interneurons. <i>Neuron</i> , 2022, 110, 2258-2267.e11.	8.1	12
52	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. <i>Molecular Psychiatry</i> , 2018, 23, 1394-1401.	7.9	11
53	Epigenomically Bistable Regions across Neuron-Specific Genes Govern Neuron Eligibility to a Coding Ensemble in the Hippocampus. <i>Cell Reports</i> , 2020, 31, 107789.	6.4	9
54	Precision Functional Mapping of Corticostriatal and Corticothalamic Circuits: Parallel Processing Reconsidered. <i>Neuron</i> , 2020, 105, 595-597.	8.1	5

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55	Individual Differences in the Affective Response to Pandemic-Related Stressors in COVID-19 Health Care Workers. <i>Biological Psychiatry Global Open Science</i> , 2021, 1, 336-344.	2.2	5
56	Reply to: A Closer Look at Depression Biotypes: Correspondence Relating to Grosenick etÂal. (2019). <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 556.	1.5	4
57	MeCP2 for sustained antidepressant effects. <i>Nature Neuroscience</i> , 2021, 24, 1047-1048.	14.8	4
58	Cortex-wide optical imaging and network analysis of antidepressant effects. <i>Brain</i> , 2017, 140, 2074-2078.	7.6	3
59	Stress response regulation and the hemodynamic response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10827-10829.	7.1	3
60	Extinction of auditory threat memory triggers activation of p70 S6 kinase 1 in the basolateral nucleus of the amygdala. <i>Molecular Psychiatry</i> , 2018, 23, 1393-1393.	7.9	0
61	A dual-virus strategy for the deletion of cacan1c within the prelimbic to nucleus accumbens core projection. <i>Molecular Psychiatry</i> , 2020, 25, 2201-2202.	7.9	0
62	Estimating Psychiatric Outcomes in First Responders. <i>JAMA Network Open</i> , 2020, 3, e2018678.	5.9	0
63	Optical Interrogation of Metabotropic Glutamate Receptorâ€Mediated Modulation of Cortical Circuits using Optimized Photoswitchable Tethered Ligands. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
64	An epigenetic target for autism. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	0
65	ELK-1: A molecular substrate of depression. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	0
66	A novel neurostimulation strategy for facilitating fear regulation. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	0
67	Astrocyte dysfunction and compulsive behavior. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	0
68	Decoding the mood network. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	0
69	Targeting pacemaker channels in depression. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	0
70	Branched Photoswitchable Tethered Ligands for Optical Interrogation of Metabotropic Glutamate Receptorâ€Mediated Modulation of Prefrontal Cortex Circuits. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
71	Spontaneous generation of ASD astrocytes. <i>Molecular Psychiatry</i> , 2022, 27, 2369-2369.	7.9	0