

Gregory J Quirk

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

18,734
citations

61984

43
h-index

76900

74
g-index

108
all docs

108
docs citations

108
times ranked

10664
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurons in medial prefrontal cortex signal memory for fear extinction. <i>Nature</i> , 2002, 420, 70-74.	27.8	1,692
2	Neural Mechanisms of Extinction Learning and Retrieval. <i>Neuropsychopharmacology</i> , 2008, 33, 56-72.	5.4	1,399
3	Neuronal signalling of fear memory. <i>Nature Reviews Neuroscience</i> , 2004, 5, 844-852.	10.2	1,266
4	Fear Extinction as a Model for Translational Neuroscience: Ten Years of Progress. <i>Annual Review of Psychology</i> , 2012, 63, 129-151.	17.7	1,202
5	Dissociable Roles of Prelimbic and Infralimbic Cortices, Ventral Hippocampus, and Basolateral Amygdala in the Expression and Extinction of Conditioned Fear. <i>Neuropsychopharmacology</i> , 2011, 36, 529-538.	5.4	991
6	The Role of Ventromedial Prefrontal Cortex in the Recovery of Extinguished Fear. <i>Journal of Neuroscience</i> , 2000, 20, 6225-6231.	3.6	877
7	Stimulation of Medial Prefrontal Cortex Decreases the Responsiveness of Central Amygdala Output Neurons. <i>Journal of Neuroscience</i> , 2003, 23, 8800-8807.	3.6	820
8	Fear conditioning enhances short-latency auditory responses of lateral amygdala neurons: Parallel recordings in the freely behaving rat. <i>Neuron</i> , 1995, 15, 1029-1039.	8.1	745
9	Prefrontal Mechanisms in Extinction of Conditioned Fear. <i>Biological Psychiatry</i> , 2006, 60, 337-343.	1.3	616
10	Prefrontal involvement in the regulation of emotion: convergence of rat and human studies. <i>Current Opinion in Neurobiology</i> , 2006, 16, 723-727.	4.2	605
11	Microstimulation reveals opposing influences of prelimbic and infralimbic cortex on the expression of conditioned fear. <i>Learning and Memory</i> , 2006, 13, 728-733.	1.3	593
12	Prefrontal control of fear: more than just extinction. <i>Current Opinion in Neurobiology</i> , 2010, 20, 231-235.	4.2	513
13	Activity in Prelimbic Cortex Is Necessary for the Expression of Learned, But Not Innate, Fears. <i>Journal of Neuroscience</i> , 2007, 27, 840-844.	3.6	493
14	Consolidation of Fear Extinction Requires NMDA Receptor-Dependent Bursting in the Ventromedial Prefrontal Cortex. <i>Neuron</i> , 2007, 53, 871-880.	8.1	460
15	Sustained Conditioned Responses in Prelimbic Prefrontal Neurons Are Correlated with Fear Expression and Extinction Failure. <i>Journal of Neuroscience</i> , 2009, 29, 8474-8482.	3.6	449
16	A Role for the Human Dorsal Anterior Cingulate Cortex in Fear Expression. <i>Biological Psychiatry</i> , 2007, 62, 1191-1194.	1.3	425
17	Consolidation of Fear Extinction Requires Protein Synthesis in the Medial Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2004, 24, 5704-5710.	3.6	423
18	Induction of Fear Extinction with Hippocampal-Infralimbic BDNF. <i>Science</i> , 2010, 328, 1288-1290.	12.6	408

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19	A temporal shift in the circuits mediating retrieval of fear memory. <i>Nature</i> , 2015, 519, 460-463.	27.8	404
20	Gating of Fear in Prelimbic Cortex by Hippocampal and Amygdala Inputs. <i>Neuron</i> , 2012, 76, 804-812.	8.1	393
21	Revisiting the Role of Infralimbic Cortex in Fear Extinction with Optogenetics. <i>Journal of Neuroscience</i> , 2015, 35, 3607-3615.	3.6	301
22	Memory for Extinction of Conditioned Fear Is Long-lasting and Persists Following Spontaneous Recovery. <i>Learning and Memory</i> , 2002, 9, 402-407.	1.3	300
23	Inhibition of the Amygdala: Key to Pathological States?. <i>Annals of the New York Academy of Sciences</i> , 2003, 985, 263-272.	3.8	277
24	Circuit-Based Corticostriatal Homologies Between Rat and Primate. <i>Biological Psychiatry</i> , 2016, 80, 509-521.	1.3	265
25	Erasing Fear Memories with Extinction Training: Figure 1.. <i>Journal of Neuroscience</i> , 2010, 30, 14993-14997.	3.6	206
26	Lesions of the Basal Amygdala Block Expression of Conditioned Fear But Not Extinction. <i>Journal of Neuroscience</i> , 2005, 25, 9680-9685.	3.6	197
27	A NeuroD1 AAV-Based Gene Therapy for Functional Brain Repair after Ischemic Injury through In Vivo Astrocyte-to-Neuron Conversion. <i>Molecular Therapy</i> , 2020, 28, 217-234.	8.2	163
28	Hippocampal Prefrontal BDNF and Memory for Fear Extinction. <i>Neuropsychopharmacology</i> , 2014, 39, 2161-2169.	5.4	157
29	Neural Structures Mediating Expression and Extinction of Platform-Mediated Avoidance. <i>Journal of Neuroscience</i> , 2014, 34, 9736-9742.	3.6	150
30	Thalamic Regulation of Sucrose Seeking during Unexpected Reward Omission. <i>Neuron</i> , 2017, 94, 388-400.e4.	8.1	142
31	The Brain-Derived Neurotrophic Factor Val66Met Polymorphism Predicts Response to Exposure Therapy in Posttraumatic Stress Disorder. <i>Biological Psychiatry</i> , 2013, 73, 1059-1063.	1.3	139
32	Viewpoints: Dialogues on the functional role of the ventromedial prefrontal cortex. <i>Nature Neuroscience</i> , 2016, 19, 1545-1552.	14.8	135
33	Deep brain stimulation of the ventral striatum enhances extinction of conditioned fear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8764-8769.	7.1	124
34	Infralimbic D2 Receptors Are Necessary for Fear Extinction and Extinction-Related Tone Responses. <i>Biological Psychiatry</i> , 2010, 68, 1055-1060.	1.3	116
35	Systemic Propranolol Acts Centrally to Reduce Conditioned Fear in Rats Without Impairing Extinction. <i>Biological Psychiatry</i> , 2009, 65, 887-892.	1.3	99
36	Memory for Fear Extinction Requires mGluR5-Mediated Activation of Infralimbic Neurons. <i>Cerebral Cortex</i> , 2011, 21, 727-735.	2.9	91

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37	Persistent active avoidance correlates with activity in prelimbic cortex and ventral striatum. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 184.	2.0	88
38	A time-dependent role of midline thalamic nuclei in the retrieval of fear memory. <i>Neuropharmacology</i> , 2012, 62, 457-463.	4.1	84
39	Prelimbic and Infralimbic Neurons Signal Distinct Aspects of Appetitive Instrumental Behavior. <i>PLoS ONE</i> , 2013, 8, e57575.	2.5	78
40	Active avoidance requires inhibitory signaling in the rodent prelimbic prefrontal cortex. <i>ELife</i> , 2018, 7, .	6.0	66
41	When scientific paradigms lead to tunnel vision: lessons from the study of fear. <i>Npj Science of Learning</i> , 2017, 2, .	2.8	58
42	Bidirectional Modulation of Extinction of Drug Seeking by Deep Brain Stimulation of the Ventral Striatum. <i>Biological Psychiatry</i> , 2016, 80, 682-690.	1.3	49
43	Alteration of BDNF in the medial prefrontal cortex and the ventral hippocampus impairs extinction of avoidance. <i>Neuropsychopharmacology</i> , 2018, 43, 2636-2644.	5.4	49
44	Deep brain stimulation of the ventral striatum increases BDNF in the fear extinction circuit. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 102.	2.0	48
45	An Avoidance-Based Rodent Model of Exposure With Response Prevention Therapy for Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2016, 80, 534-540.	1.3	48
46	The study of active avoidance: A platform for discussion. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 107, 229-237.	6.1	48
47	Individual variability in behavior and functional networks predicts vulnerability using an animal model of PTSD. <i>Nature Communications</i> , 2019, 10, 2372.	12.8	46
48	Stress disorders of families of the disappeared: A controlled study in Honduras. <i>Social Science and Medicine</i> , 1994, 39, 1675-1679.	3.8	42
49	Enhancement of Fear Extinction with Deep Brain Stimulation: Evidence for Medial Orbitofrontal Involvement. <i>Neuropsychopharmacology</i> , 2015, 40, 1726-1733.	5.4	39
50	Divergent projections of the prelimbic cortex bidirectionally regulate active avoidance. <i>ELife</i> , 2020, 9, .	6.0	33
51	Extinction: New Excitement for an Old Phenomenon. <i>Biological Psychiatry</i> , 2006, 60, 317-318.	1.3	32
52	Fear signaling in the prelimbic-amygdala circuit: a computational modeling and recording study. <i>Journal of Neurophysiology</i> , 2013, 110, 844-861.	1.8	28
53	Prefrontal circuits signaling active avoidanceÅretrieval and extinction. <i>Psychopharmacology</i> , 2019, 236, 399-406.	3.1	27
54	Early malnutrition followed by nutritional restoration lowers the conduction velocity and excitability of the corticospinal tract. <i>Brain Research</i> , 1995, 670, 277-282.	2.2	25

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55	The effect of repeated exposure to ethanol on pre-existing fear memories in rats. <i>Psychopharmacology</i> , 2015, 232, 3615-3622.	3.1	23
56	The Storytelling Brain: How Neuroscience Stories Help Bridge the Gap between Research and Society. <i>Journal of Neuroscience</i> , 2019, 39, 8285-8290.	3.6	21
57	Functional Disruption of Cerebello-thalamo-cortical Networks in Obsessive-Compulsive Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 438-447.	1.5	19
58	Functional disruption in prefrontal-striatal network in obsessive-compulsive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2020, 300, 111081.	1.8	18
59	Ethnic Differences in Physiological Responses to Fear Conditioned Stimuli. <i>PLoS ONE</i> , 2014, 9, e114977.	2.5	18
60	Correlations between psychological tests and physiological responses during fear conditioning and renewal. <i>Biology of Mood & Anxiety Disorders</i> , 2012, 2, 16.	4.7	16
61	Characterizing Different Strategies for Resolving Approach-Avoidance Conflict. <i>Frontiers in Neuroscience</i> , 2021, 15, 608922.	2.8	16
62	Time-Dependent Recruitment of Prelimbic Prefrontal Circuits for Retrieval of Fear Memory. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 665116.	2.0	12
63	Learning Not to Fear, Faster. <i>Learning and Memory</i> , 2004, 11, 125-126.	1.3	11
64	Neural mechanisms of persistent avoidance in OCD: A novel avoidance devaluation study. <i>NeuroImage: Clinical</i> , 2020, 28, 102404.	2.7	10
65	Prolonged avoidance training exacerbates OCD-like behaviors in a rodent model. <i>Translational Psychiatry</i> , 2020, 10, 212.	4.8	9
66	Translating findings from basic fear research to clinical psychiatry in Puerto Rico. <i>Puerto Rico Health Sciences Journal</i> , 2007, 26, 321-8.	0.2	6
67	Signaling Aversive Events in the Midbrain: Worse than Expected. <i>Neuron</i> , 2009, 61, 655-656.	8.1	5
68	Neuroscience Research and Mentoring in Puerto Rico: What Succeeds in This Environment?. <i>Journal of Neuroscience</i> , 2019, 39, 776-782.	3.6	5
69	A Novel Insular/Orbital-Prelimbic Circuit That Prevents Persistent Avoidance in a Rodent Model of Compulsive Behavior. <i>Biological Psychiatry</i> , 2023, 93, 1000-1009.	1.3	4
70	Modeling Acquisition and Extinction of Conditioned Fear in LA Neurons using Learning Algorithm. <i>Proceedings of the American Control Conference</i> , 2007, , .	0.0	3
71	Less fear, more diversity. <i>PLoS Biology</i> , 2017, 15, e2002079.	5.6	3
72	Learning Not to Fear: A Neural Systems Approach. , 2007, , 60-77.		2

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73	A Cross Species Approach to Understanding DBS Modulation of Fear. Brain Stimulation, 2015, 8, 986-988.	1.6	2
74	The nature and nurture of education. Npj Science of Learning, 2018, 3, 6.	2.8	2
75	Stuck in time without a nucleus: Theoretical comment on Sangha et al. (2005).. Behavioral Neuroscience, 2005, 119, 1155-1157.	1.2	0
76	Editing out fear. Nature, 2010, 463, 36-37.	27.8	0
77	Acquisition of Fear and Extinction in Lateral Amygdala: A Modeling Study. , 2010, , .		0
78	Distinct projections from the prelimbic cortex modulate active avoidance. FASEB Journal, 2020, 34, 1-1.	0.5	0