# Gregory J Quirk

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | A Novel Insular/Orbital-Prelimbic Circuit That Prevents Persistent Avoidance in a Rodent Model of Compulsive Behavior. Biological Psychiatry, 2023, 93, 1000-1009. | 1.3 | 4 |
| 2 | Characterizing Different Strategies for Resolving Approach-Avoidance Conflict. Frontiers in Neuroscience, 2021, 15, 608922. | 2.8 | 16 |
| 3 | Time-Dependent Recruitment of Prelimbic Prefrontal Circuits for Retrieval of Fear Memory. Frontiers in Behavioral Neuroscience, 2021, 15, 665116. | 2.0 | 12 |
| 4 | A NeuroD1 AAV-Based Gene Therapy for Functional Brain Repair after Ischemic Injury through InÂVivo Astrocyte-to-Neuron Conversion. Molecular Therapy, 2020, 28, 217-234. | 8.2 | 163 |
| 5 | Functional Disruption of Cerebello-thalamo-cortical Networks in Obsessive-Compulsive Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 438-447. | 1.5 | 19 |
| 6 | Neural mechanisms of persistent avoidance in OCD: A novel avoidance devaluation study. NeuroImage: Clinical, 2020, 28, 102404. | 2.7 | 10 |
| 7 | Prolonged avoidance training exacerbates OCD-like behaviors in a rodent model. Translational Psychiatry, 2020, 10, 212. | 4.8 | 9 |
| 8 | Functional disruption in prefrontal-striatal network in obsessive-compulsive disorder. Psychiatry Research - Neuroimaging, 2020, 300, 111081. | 1.8 | 18 |
| 9 | Divergent projections of the prelimbic cortex bidirectionally regulate active avoidance. ELife, 2020, 9, . | 6.0 | 33 |
| 10 | Distinct projections from the prelimbic cortex modulate active avoidance. FASEB Journal, 2020, 34, 1-1. | 0.5 | 0 |
| 11 | The Storytelling Brain: How Neuroscience Stories Help Bridge the Gap between Research and Society. Journal of Neuroscience, 2019, 39, 8285-8290. | 3.6 | 21 |
| 12 | The study of active avoidance: A platform for discussion. Neuroscience and Biobehavioral Reviews, 2019, 107, 229-237. | 6.1 | 48 |
| 13 | Neuroscience Research and Mentoring in Puerto Rico: What Succeeds in This Environment?. Journal of Neuroscience, 2019, 39, 776-782. | 3.6 | 5 |
| 14 | Individual variability in behavior and functional networks predicts vulnerability using an animal model of PTSD. Nature Communications, 2019, 10, 2372. | 12.8 | 46 |
| 15 | Prefrontal circuits signaling active avoidanceÂretrieval and extinction. Psychopharmacology, 2019, 236, 399-406. | 3.1 | 27 |
| 16 | The nature and nurture of education. Npj Science of Learning, 2018, 3, 6. | 2.8 | 2 |
| 17 | Alteration of BDNF in the medial prefrontal cortex and the ventral hippocampus impairs extinction of avoidance. Neuropsychopharmacology, 2018, 43, 2636-2644. | 5.4 | 49 |
| 18 | Active avoidance requires inhibitory signaling in the rodent prelimbic prefrontal cortex. ELife, 2018, 7, . | 6.0 | 66 |

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|---|---|---|---|
| 19 | Thalamic Regulation of Sucrose Seeking during Unexpected Reward Omission. Neuron, 2017, 94, 388-400.e4. | 8.1 | 142 |
| 20 | When scientific paradigms lead to tunnel vision: lessons from the study of fear. Npj Science of Learning, 2017, 2, . | 2.8 | 58 |
| 21 | Less fear, more diversity. PLoS Biology, 2017, 15, e2002079. | 5.6 | 3 |
| 22 | Viewpoints: Dialogues on the functional role of the ventromedial prefrontal cortex. Nature Neuroscience, 2016, 19, 1545-1552. | 14.8 | 135 |
| 23 | Bidirectional Modulation of Extinction of Drug Seeking by Deep Brain Stimulation of the Ventral Striatum. Biological Psychiatry, 2016, 80, 682-690. | 1.3 | 49 |
| 24 | An Avoidance-Based Rodent Model of Exposure With Response Prevention Therapy for Obsessive-Compulsive Disorder. Biological Psychiatry, 2016, 80, 534-540. | 1.3 | 48 |
| 25 | Circuit-Based Corticostriatal Homologies Between Rat and Primate. Biological Psychiatry, 2016, 80, 509-521. | 1.3 | 265 |
| 26 | A Cross Species Approach to Understanding DBS Modulation of Fear. Brain Stimulation, 2015, 8, 986-988. | 1.6 | 2 |
| 27 | Persistent active avoidance correlates with activity in prelimbic cortex and ventral striatum. Frontiers in Behavioral Neuroscience, 2015, 9, 184. | 2.0 | 88 |
| 28 | Enhancement of Fear Extinction with Deep Brain Stimulation: Evidence for Medial Orbitofrontal Involvement. Neuropsychopharmacology, 2015, 40, 1726-1733. | 5.4 | 39 |
| 29 | A temporal shift in the circuits mediating retrieval of fear memory. Nature, 2015, 519, 460-463. | 27.8 | 404 |
| 30 | Revisiting the Role of Infralimbic Cortex in Fear Extinction with Optogenetics. Journal of Neuroscience, 2015, 35, 3607-3615. | 3.6 | 301 |
| 31 | The effect of repeated exposure to ethanol on pre-existing fear memories in rats. Psychopharmacology, 2015, 232, 3615-3622. | 3.1 | 23 |
| 32 | Neural Structures Mediating Expression and Extinction of Platform-Mediated Avoidance. Journal of Neuroscience, 2014, 34, 9736-9742. | 3.6 | 150 |
| 33 | Hippocampalâ€“Prefrontal BDNF and Memory for Fear Extinction. Neuropsychopharmacology, 2014, 39, 2161-2169. | 5.4 | 157 |
| 34 | Ethnic Differences in Physiological Responses to Fear Conditioned Stimuli. PLoS ONE, 2014, 9, e114977. | 2.5 | 18 |
| 35 | Fear signaling in the prelimbic-amygdala circuit: a computational modeling and recording study. Journal of Neurophysiology, 2013, 110, 844-861. | 1.8 | 28 |
| 36 | The Brain-Derived Neurotrophic Factor Val66Met Polymorphism Predicts Response to Exposure Therapy in Posttraumatic Stress Disorder. Biological Psychiatry, 2013, 73, 1059-1063. | 1.3 | 139 |

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|---|---|---|---|
| 37 | Prelimbic and Infralimbic Neurons Signal Distinct Aspects of Appetitive Instrumental Behavior. PLoS ONE, 2013, 8, e57575. | 2.5 | 78 |
| 38 | Deep brain stimulation of the ventral striatum increases BDNF in the fear extinction circuit. Frontiers in Behavioral Neuroscience, 2013, 7, 102. | 2.0 | 48 |
| 39 | Deep brain stimulation of the ventral striatum enhances extinction of conditioned fear. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8764-8769. | 7.1 | 124 |
| 40 | Gating of Fear in Prelimbic Cortex by Hippocampal and Amygdala Inputs. Neuron, 2012, 76, 804-812. | 8.1 | 393 |
| 41 | A time-dependent role of midline thalamic nuclei in the retrieval of fear memory. Neuropharmacology, 2012, 62, 457-463. | 4.1 | 84 |
| 42 | Correlations between psychological tests and physiological responses during fear conditioning and renewal. Biology of Mood & Anxiety Disorders, 2012, 2, 16. | 4.7 | 16 |
| 43 | Fear Extinction as a Model for Translational Neuroscience: Ten Years of Progress. Annual Review of Psychology, 2012, 63, 129-151. | 17.7 | 1,202 |
| 44 | Memory for Fear Extinction Requires mGluR5-Mediated Activation of Infralimbic Neurons. Cerebral Cortex, 2011, 21, 727-735. | 2.9 | 91 |
| 45 | Dissociable Roles of Prelimbic and Infralimbic Cortices, Ventral Hippocampus, and Basolateral Amygdala in the Expression and Extinction of Conditioned Fear. Neuropsychopharmacology, 2011, 36, 529-538. | 5.4 | 991 |
| 46 | Editing out fear. Nature, 2010, 463, 36-37. | 27.8 | 0 |
| 47 | Prefrontal control of fear: more than just extinction. Current Opinion in Neurobiology, 2010, 20, 231-235. | 4.2 | 513 |
| 48 | Erasing Fear Memories with Extinction Training: Figure 1.. Journal of Neuroscience, 2010, 30, 14993-14997. | 3.6 | 206 |
| 49 | Infralimbic D2 Receptors Are Necessary for Fear Extinction and Extinction-Related Tone Responses. Biological Psychiatry, 2010, 68, 1055-1060. | 1.3 | 116 |
| 50 | Induction of Fear Extinction with Hippocampal-Infralimbic BDNF. Science, 2010, 328, 1288-1290. | 12.6 | 408 |
| 51 | Acquisition of Fear and Extinction in Lateral Amygdala: A Modeling Study. , 2010, , . | | 0 |
| 52 | Sustained Conditioned Responses in Prelimbic Prefrontal Neurons Are Correlated with Fear Expression and Extinction Failure. Journal of Neuroscience, 2009, 29, 8474-8482. | 3.6 | 449 |
| 53 | Signaling Aversive Events in the Midbrain: Worse than Expected. Neuron, 2009, 61, 655-656. | 8.1 | 5 |
| 54 | Systemic Propranolol Acts Centrally to Reduce Conditioned Fear in Rats Without Impairing Extinction. Biological Psychiatry, 2009, 65, 887-892. | 1.3 | 99 |

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|---|---|---|---|
| 55 | Neural Mechanisms of Extinction Learning and Retrieval. Neuropsychopharmacology, 2008, 33, 56-72. | 5.4 | 1,399 |
| 56 | Modeling Acquisition and Extinction of Conditioned Fear in LA Neurons using Learning Algorithm. Proceedings of the American Control Conference, 2007, , . | 0.0 | 3 |
| 57 | Learning Not to Fear: A Neural Systems Approach. , 2007, , 60-77. | | 2 |
| 58 | Consolidation of Fear Extinction Requires NMDA Receptor-Dependent Bursting in the Ventromedial Prefrontal Cortex. Neuron, 2007, 53, 871-880. | 8.1 | 460 |
| 59 | Activity in Prelimbic Cortex Is Necessary for the Expression of Learned, But Not Innate, Fears. Journal of Neuroscience, 2007, 27, 840-844. | 3.6 | 493 |
| 60 | A Role for the Human Dorsal Anterior Cingulate Cortex in Fear Expression. Biological Psychiatry, 2007, 62, 1191-1194. | 1.3 | 425 |
| 61 | Translating findings from basic fear research to clinical psychiatry in Puerto Rico. Puerto Rico Health Sciences Journal, 2007, 26, 321-8. | 0.2 | 6 |
| 62 | Prefrontal Mechanisms in Extinction of Conditioned Fear. Biological Psychiatry, 2006, 60, 337-343. | 1.3 | 616 |
| 63 | Extinction: New Excitement for an Old Phenomenon. Biological Psychiatry, 2006, 60, 317-318. | 1.3 | 32 |
| 64 | Prefrontal involvement in the regulation of emotion: convergence of rat and human studies. Current Opinion in Neurobiology, 2006, 16, 723-727. | 4.2 | 605 |
| 65 | Microstimulation reveals opposing influences of prelimbic and infralimbic cortex on the expression of conditioned fear. Learning and Memory, 2006, 13, 728-733. | 1.3 | 593 |
| 66 | Stuck in time without a nucleus: Theoretical comment on Sangha et al. (2005).. Behavioral Neuroscience, 2005, 119, 1155-1157. | 1.2 | 0 |
| 67 | Lesions of the Basal Amygdala Block Expression of Conditioned Fear But Not Extinction. Journal of Neuroscience, 2005, 25, 9680-9685. | 3.6 | 197 |
| 68 | Consolidation of Fear Extinction Requires Protein Synthesis in the Medial Prefrontal Cortex. Journal of Neuroscience, 2004, 24, 5704-5710. | 3.6 | 423 |
| 69 | Learning Not to Fear, Faster. Learning and Memory, 2004, 11, 125-126. | 1.3 | 11 |
| 70 | Neuronal signalling of fear memory. Nature Reviews Neuroscience, 2004, 5, 844-852. | 10.2 | 1,266 |
| 71 | Stimulation of Medial Prefrontal Cortex Decreases the Responsiveness of Central Amygdala Output Neurons. Journal of Neuroscience, 2003, 23, 8800-8807. | 3.6 | 820 |
| 72 | Inhibition of the Amygdala: Key to Pathological States?. Annals of the New York Academy of Sciences, 2003, 985, 263-272. | 3.8 | 277 |

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|---|---|---|---|
| 73 | Memory for Extinction of Conditioned Fear Is Long-lasting and Persists Following Spontaneous Recovery. Learning and Memory, 2002, 9, 402-407. | 1.3 | 300 |
| 74 | Neurons in medial prefrontal cortex signal memory for fear extinction. Nature, 2002, 420, 70-74. | 27.8 | 1,692 |
| 75 | The Role of Ventromedial Prefrontal Cortex in the Recovery of Extinguished Fear. Journal of Neuroscience, 2000, 20, 6225-6231. | 3.6 | 877 |
| 76 | Early malnutrition followed by nutritional restoration lowers the conduction velocity and excitability of the corticospinal tract. Brain Research, 1995, 670, 277-282. | 2.2 | 25 |
| 77 | Fear conditioning enhances short-latency auditory responses of lateral amygdala neurons: Parallel recordings in the freely behaving rat. Neuron, 1995, 15, 1029-1039. | 8.1 | 745 |
| 78 | Stress disorders of families of the disappeared: A controlled study in Honduras. Social Science and Medicine, 1994, 39, 1675-1679. | 3.8 | 42 |