

Joseph E Ledoux

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

21,123
citations

40
h-index

76
g-index

76
ext. papers

23,677
ext. citations

8.9
avg, IF

7.72
L-index

#	Paper	IF	Citations
70	Emotion circuits in the brain. <i>Annual Review of Neuroscience</i> , 2000 , 23, 155-84	17	6066
69	Contributions of the amygdala to emotion processing: from animal models to human behavior. <i>Neuron</i> , 2005 , 48, 175-87	13.9	2257
68	Extinction learning in humans: role of the amygdala and vmPFC. <i>Neuron</i> , 2004 , 43, 897-905	13.9	1393
67	Fear conditioning induces associative long-term potentiation in the amygdala. <i>Nature</i> , 1997 , 390, 604-7	50.4	1097
66	Rethinking the emotional brain. <i>Neuron</i> , 2012 , 73, 653-76	13.9	997
65	Molecular mechanisms of fear learning and memory. <i>Cell</i> , 2011 , 147, 509-24	56.2	777
64	Structural plasticity and memory. <i>Nature Reviews Neuroscience</i> , 2004 , 5, 45-54	13.5	703
63	Fear conditioning enhances short-latency auditory responses of lateral amygdala neurons: parallel recordings in the freely behaving rat. <i>Neuron</i> , 1995 , 15, 1029-39	13.9	652
62	Coming to terms with fear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2871-8	11.5	551
61	Projections to the subcortical forebrain from anatomically defined regions of the medial geniculate body in the rat. <i>Journal of Comparative Neurology</i> , 1985 , 242, 182-213	3.4	456
60	Synaptic plasticity in the lateral amygdala: a cellular hypothesis of fear conditioning. <i>Learning and Memory</i> , 2001 , 8, 229-42	2.8	452
59	Emotion, memory and the brain. <i>Scientific American</i> , 1994 , 270, 50-7	0.5	431
58	Using Neuroscience to Help Understand Fear and Anxiety: A Two-System Framework. <i>American Journal of Psychiatry</i> , 2016 , 173, 1083-1093	11.9	418
57	Memory consolidation of auditory pavlovian fear conditioning requires protein synthesis and protein kinase A in the amygdala. <i>Journal of Neuroscience</i> , 2000 , 20, RC96	6.6	417
56	Molecular mechanisms underlying emotional learning and memory in the lateral amygdala. <i>Neuron</i> , 2004 , 44, 75-91	13.9	408
55	The Integrated Mind 1978 ,		334
54	Information cascade from primary auditory cortex to the amygdala: corticocortical and corticoamygdaloid projections of temporal cortex in the rat. <i>Cerebral Cortex</i> , 1993 , 3, 515-32	5.1	313

53	Topographic organization of convergent projections to the thalamus from the inferior colliculus and spinal cord in the rat. <i>Journal of Comparative Neurology</i> , 1987 , 264, 123-46	3.4	307
52	Information processing of visual stimuli in an "extinguished" field. <i>Nature</i> , 1979 , 282, 722-4	50.4	252
51	A higher-order theory of emotional consciousness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2016-E2025	11.5	243
50	Indelibility of subcortical emotional memories. <i>Journal of Cognitive Neuroscience</i> , 1989 , 1, 238-43	3.1	242
49	Active avoidance learning requires prefrontal suppression of amygdala-mediated defensive reactions. <i>Journal of Neuroscience</i> , 2013 , 33, 3815-23	6.6	166
48	Functional inactivation of the amygdala before but not after auditory fear conditioning prevents memory formation. <i>Journal of Neuroscience</i> , 1999 , 19, RC48	6.6	155
47	Orexin/hypocretin system modulates amygdala-dependent threat learning through the locus coeruleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20260-5	11.5	144
46	Avoiding negative outcomes: tracking the mechanisms of avoidance learning in humans during fear conditioning. <i>Frontiers in Behavioral Neuroscience</i> , 2009 , 3, 33	3.5	138
45	Surviving threats: neural circuit and computational implications of a new taxonomy of defensive behaviour. <i>Nature Reviews Neuroscience</i> , 2018 , 19, 269-282	13.5	133
44	The role of amygdala nuclei in the expression of auditory signaled two-way active avoidance in rats. <i>Learning and Memory</i> , 2010 , 17, 139-47	2.8	127
43	Active avoidance requires a serial basal amygdala to nucleus accumbens shell circuit. <i>Journal of Neuroscience</i> , 2015 , 35, 3470-7	6.6	113
42	Fear and safety learning differentially affect synapse size and dendritic translation in the lateral amygdala. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9418-23	11.5	109
41	Understanding the Higher-Order Approach to Consciousness. <i>Trends in Cognitive Sciences</i> , 2019 , 23, 754-768	14	103
40	Sidman instrumental avoidance initially depends on lateral and basal amygdala and is constrained by central amygdala-mediated Pavlovian processes. <i>Biological Psychiatry</i> , 2010 , 67, 1120-7	7.9	91
39	A divided mind: observations on the conscious properties of the separated hemispheres. <i>Annals of Neurology</i> , 1977 , 2, 417-21	9.4	91
38	Novelty-facilitated extinction: providing a novel outcome in place of an expected threat diminishes recovery of defensive responses. <i>Biological Psychiatry</i> , 2015 , 78, 203-9	7.9	82
37	Beta-adrenergic receptors in the lateral nucleus of the amygdala contribute to the acquisition but not the consolidation of auditory fear conditioning. <i>Frontiers in Behavioral Neuroscience</i> , 2010 , 4, 154	3.5	81
36	Inhibition of the interactions between eukaryotic initiation factors 4E and 4G impairs long-term associative memory consolidation but not reconsolidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3383-8	11.5	80

35	The subjective experience of emotion: a fearful view. <i>Current Opinion in Behavioral Sciences</i> , 2018 , 19, 67-72	4	78
34	Active Avoidance: Neural Mechanisms and Attenuation of Pavlovian Conditioned Responding. <i>Journal of Neuroscience</i> , 2017 , 37, 4808-4818	6.6	67
33	Escape from fear: a detailed behavioral analysis of two atypical responses reinforced by CS termination. <i>Journal of Experimental Psychology</i> , 2007 , 33, 451-63		54
32	Semantics, Surplus Meaning, and the Science of Fear. <i>Trends in Cognitive Sciences</i> , 2017 , 21, 303-306	14	52
31	Sensory-specific associations stored in the lateral amygdala allow for selective alteration of fear memories. <i>Journal of Neuroscience</i> , 2011 , 31, 9538-43	6.6	52
30	βAdrenergic Receptors Regulate the Acquisition and Consolidation Phases of Aversive Memory Formation Through Distinct, Temporally Regulated Signaling Pathways. <i>Neuropsychopharmacology</i> , 2017 , 42, 895-903	8.7	38
29	Translational Approaches Targeting Reconsolidation. <i>Current Topics in Behavioral Neurosciences</i> , 2016 , 28, 197-230	3.4	35
28	Molecular mechanisms of threat learning in the lateral nucleus of the amygdala. <i>Progress in Molecular Biology and Translational Science</i> , 2014 , 122, 263-304	4	30
27	Stability of presynaptic vesicle pools and changes in synapse morphology in the amygdala following fear learning in adult rats. <i>Journal of Comparative Neurology</i> , 2012 , 520, 295-314	3.4	26
26	A recurrent network in the lateral amygdala: a mechanism for coincidence detection. <i>Frontiers in Neural Circuits</i> , 2008 , 2, 3	3.5	25
25	Development of an aversive Pavlovian-to-instrumental transfer task in rat. <i>Frontiers in Behavioral Neuroscience</i> , 2013 , 7, 176	3.5	21
24	Medial amygdala lesions selectively block aversive pavlovian-instrumental transfer in rats. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 329	3.5	20
23	A brainstem-central amygdala circuit underlies defensive responses to learned threats. <i>Molecular Psychiatry</i> , 2020 , 25, 640-654	15.1	20
22	Primary auditory cortex regulates threat memory specificity. <i>Learning and Memory</i> , 2017 , 24, 55-58	2.8	19
21	Elevating the Role of Subjective Experience in the Clinic: Response to Fanselow and Pennington. <i>American Journal of Psychiatry</i> , 2017 , 174, 1121-1122	11.9	18
20	Feelings: What Are They & How Does the Brain Make Them?. <i>Daedalus</i> , 2015 , 144, 96-111	2	18
19	Thoughtful feelings. <i>Current Biology</i> , 2020 , 30, R619-R623	6.3	16
18	How does the non-conscious become conscious?. <i>Current Biology</i> , 2020 , 30, R196-R199	6.3	16

17	Lesions of lateral or central amygdala abolish aversive Pavlovian-to-instrumental transfer in rats. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 161	3.5	16
16	Seeing consciousness through the lens of memory. <i>Current Biology</i> , 2020 , 30, R1018-R1022	6.3	14
15	Noradrenergic Regulation of Central Amygdala in Aversive Pavlovian-to-Instrumental Transfer. <i>ENeuro</i> , 2017 , 4,	3.9	12
14	Emotional colouration of consciousness: how feelings come about 2008 , 69-130		12
13	Modulation of instrumental responding by a conditioned threat stimulus requires lateral and central amygdala. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 293	3.5	10
12	What emotions might be like in other animals. <i>Current Biology</i> , 2021 , 31, R824-R829	6.3	9
11	Putting the "mental" back in "mental disorders": a perspective from research on fear and anxiety.. <i>Molecular Psychiatry</i> , 2022 ,	15.1	7
10	Pavlovian Extinction and Recovery Effects in Aversive Pavlovian to Instrumental Transfer. <i>Frontiers in Behavioral Neuroscience</i> , 2017 , 11, 179	3.5	6
9	The brain and the split brain: A duel with duality as a model of mind. <i>Behavioral and Brain Sciences</i> , 1981 , 4, 109-110	0.9	6
8	As soon as there was life, there was danger: the deep history of survival behaviours and the shallower history of consciousness.. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022 , 377, 20210292	5.8	5
7	Chemogenetic Inhibition Reveals That Processing Relative But Not Absolute Threat Requires Basal Amygdala. <i>Journal of Neuroscience</i> , 2019 , 39, 8510-8516	6.6	4
6	A new vista in psychiatric treatment: Using individualized functional connectivity to track symptoms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4450-4452	11.5	2
5	Music and the brain, literally. <i>Frontiers in Human Neuroscience</i> , 2011 , 5, 49	3.3	2
4	The mnemonic basis of subjective experience		2
3	Chemogenetic evidence that rapid neuronal de novo protein synthesis is required for consolidation of long-term memory		1
2	Motivational factors underlying aversive Pavlovian-instrumental transfer. <i>Learning and Memory</i> , 2020 , 27, 477-482	2.8	1
1	Correlation Between Rostral Dorsomedial Prefrontal Cortex Activation by Trauma-Related Words and Subsequent Response to CBT for PTSD. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2021 , 33, 116-123	2.7	1