

Joseph E Ledoux

List of Publications by Year in descending order

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71
papers

25,816
citations

71097

41
h-index

91872

69
g-index

76
all docs

76
docs citations

76
times ranked

18559
citing authors

#	ARTICLE	IF	CITATIONS
1	Emotion Circuits in the Brain. Annual Review of Neuroscience, 2000, 23, 155-184.	10.7	7,087
2	Contributions of the Amygdala to Emotion Processing: From Animal Models to Human Behavior. Neuron, 2005, 48, 175-187.	8.1	2,697
3	Extinction Learning in Humans. Neuron, 2004, 43, 897-905.	8.1	1,592
4	Rethinking the Emotional Brain. Neuron, 2012, 73, 653-676.	8.1	1,253
5	Fear conditioning induces associative long-term potentiation in the amygdala. Nature, 1997, 390, 604-607.	27.8	1,247
6	Molecular Mechanisms of Fear Learning and Memory. Cell, 2011, 147, 509-524.	28.9	941
7	Structural plasticity and memory. Nature Reviews Neuroscience, 2004, 5, 45-54.	10.2	860
8	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
9	Coming to terms with fear. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2871-2878.	7.1	728
10	Emotion, Memory and the Brain. Scientific American, 1994, 270, 50-57.	1.0	651
11	Using Neuroscience to Help Understand Fear and Anxiety: A Two-System Framework. American Journal of Psychiatry, 2016, 173, 1083-1093.	7.2	648
12	Synaptic Plasticity in the Lateral Amygdala: A Cellular Hypothesis of Fear Conditioning. Learning and Memory, 2001, 8, 229-242.	1.3	531
13	Projections to the subcortical forebrain from anatomically defined regions of the medial geniculate body in the rat. Journal of Comparative Neurology, 1985, 242, 182-213.	1.6	491
14	Memory Consolidation of Auditory Pavlovian Fear Conditioning Requires Protein Synthesis and Protein Kinase A in the Amygdala. Journal of Neuroscience, 2000, 20, RC96-RC96.	3.6	478
15	Molecular Mechanisms Underlying Emotional Learning and Memory in the Lateral Amygdala. Neuron, 2004, 44, 75-91.	8.1	461
16	The Integrated Mind. , 1978, , .		375
17	A higher-order theory of emotional consciousness. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2016-E2025.	7.1	374
18	Information Cascade from Primary Auditory Cortex to the Amygdala: Corticocortical and Corticoamygdaloid Projections of Temporal Cortex in the Rat. Cerebral Cortex, 1993, 3, 515-532.	2.9	356

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19	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, 123-146.	1.6	336
20	Indelibility of Subcortical Emotional Memories. <i>Journal of Cognitive Neuroscience</i> , 1989, 1, 238-243.	2.3	307
21	Information processing of visual stimuli in an "extinguished" field. <i>Nature</i> , 1979, 282, 722-724.	27.8	288
22	Surviving threats: neural circuit and computational implications of a new taxonomy of defensive behaviour. <i>Nature Reviews Neuroscience</i> , 2018, 19, 269-282.	10.2	235
23	Understanding the Higher-Order Approach to Consciousness. <i>Trends in Cognitive Sciences</i> , 2019, 23, 754-768.	7.8	220
24	Active Avoidance Learning Requires Prefrontal Suppression of Amygdala-Mediated Defensive Reactions. <i>Journal of Neuroscience</i> , 2013, 33, 3815-3823.	3.6	209
25	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, 20260-20265.	7.1	176
26	Functional Inactivation of the Amygdala before But Not after Auditory Fear Conditioning Prevents Memory Formation. <i>Journal of Neuroscience</i> , 1999, 19, RC48-RC48.	3.6	175
27	Avoiding negative outcomes: tracking the mechanisms of avoidance learning in humans during fear conditioning. <i>Frontiers in Behavioral Neuroscience</i> , 2009, 3, 33.	2.0	162
28	Active Avoidance Requires a Serial Basal Amygdala to Nucleus Accumbens Shell Circuit. <i>Journal of Neuroscience</i> , 2015, 35, 3470-3477.	3.6	160
29	The role of amygdala nuclei in the expression of auditory signaled two-way active avoidance in rats. <i>Learning and Memory</i> , 2010, 17, 139-147.	1.3	159
30	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, 9418-9423.	7.1	137
31	The subjective experience of emotion: a fearful view. <i>Current Opinion in Behavioral Sciences</i> , 2018, 19, 67-72.	3.9	136
32	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, 1120-1127.	1.3	121
33	Novelty-Facilitated Extinction: Providing a Novel Outcome in Place of an Expected Threat Diminishes Recovery of Defensive Responses. <i>Biological Psychiatry</i> , 2015, 78, 203-209.	1.3	112
34	A divided mind: Observations on the conscious properties of the separated hemispheres. <i>Annals of Neurology</i> , 1977, 2, 417-421.	5.3	107
35	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.	2.0	95
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, 3383-3388.	7.1	95

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37	Active Avoidance: Neural Mechanisms and Attenuation of Pavlovian Conditioned Responding. <i>Journal of Neuroscience</i> , 2017, 37, 4808-4818.	3.6	94
38	Semantics, Surplus Meaning, and the Science of Fear. <i>Trends in Cognitive Sciences</i> , 2017, 21, 303-306.	7.8	72
39	Escape from fear: A detailed behavioral analysis of two atypical responses reinforced by CS termination.. <i>Journal of Experimental Psychology</i> , 2007, 33, 451-463.	1.7	70
40	Putting the "cemental" back in "cemental disorders": a perspective from research on fear and anxiety. <i>Molecular Psychiatry</i> , 2022, 27, 1322-1330.	7.9	63
41	Sensory-Specific Associations Stored in the Lateral Amygdala Allow for Selective Alteration of Fear Memories. <i>Journal of Neuroscience</i> , 2011, 31, 9538-9543.	3.6	59
42	β-Adrenergic Receptors Regulate the Acquisition and Consolidation Phases of Aversive Memory Formation Through Distinct, Temporally Regulated Signaling Pathways. <i>Neuropsychopharmacology</i> , 2017, 42, 895-903.	5.4	56
43	Translational Approaches Targeting Reconsolidation. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 28, 197-230.	1.7	45
44	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.	1.7	42
45	Emotional colouration of consciousness: how feelings come about. , 2008, , 69-130.		41
46	A brainstem-central amygdala circuit underlies defensive responses to learned threats. <i>Molecular Psychiatry</i> , 2020, 25, 640-654.	7.9	38
47	Thoughtful feelings. <i>Current Biology</i> , 2020, 30, R619-R623.	3.9	34
48	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.	1.6	32
49	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.	4.0	29
50	A recurrent network in the lateral amygdala: a mechanism for coincidence detection. <i>Frontiers in Neural Circuits</i> , 2008, 2, 3.	2.8	28
51	Feelings: What Are They & How Does the Brain Make Them?. <i>Daedalus</i> , 2015, 144, 96-111.	1.8	28
52	Medial Amygdala Lesions Selectively Block Aversive Pavlovian- <i>À</i> - <i>À</i> Instrumental Transfer in Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 329.	2.0	27
53	What emotions might be like in other animals. <i>Current Biology</i> , 2021, 31, R824-R829.	3.9	26
54	Temporally and anatomically specific contributions of the human amygdala to threat and safety learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	26

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55	Primary auditory cortex regulates threat memory specificity. <i>Learning and Memory</i> , 2017, 24, 55-58.	1.3	25
56	Development of an aversive Pavlovian-to-instrumental transfer task in rat. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 176.	2.0	24
57	The mnemonic basis of subjective experience. , 2022, 1, 479-488.		24
58	Elevating the Role of Subjective Experience in the Clinic: Response to Fanselow and Pennington. <i>American Journal of Psychiatry</i> , 2017, 174, 1121-1122.	7.2	22
59	Lesions of lateral or central amygdala abolish aversive Pavlovian-to-instrumental transfer in rats. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 161.	2.0	20
60	Seeing consciousness through the lens of memory. <i>Current Biology</i> , 2020, 30, R1018-R1022.	3.9	20
61	How does the non-conscious become conscious?. <i>Current Biology</i> , 2020, 30, R196-R199.	3.9	20
62	Noradrenergic Regulation of Central Amygdala in Aversive Pavlovian-to-Instrumental Transfer. <i>ENeuro</i> , 2017, 4, ENEURO.0224-17.2017.	1.9	18
63	Modulation of instrumental responding by a conditioned threat stimulus requires lateral and central amygdala. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 293.	2.0	15
64	Pavlovian Extinction and Recovery Effects in Aversive Pavlovian to Instrumental Transfer. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 179.	2.0	8
65	Chemogenetic Inhibition Reveals That Processing Relative But Not Absolute Threat Requires Basal Amygdala. <i>Journal of Neuroscience</i> , 2019, 39, 8510-8516.	3.6	7
66	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.	0.7	6
67	Motivational factors underlying aversive Pavlovian-instrumental transfer. <i>Learning and Memory</i> , 2020, 27, 477-482.	1.3	3
68	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.	1.8	3
69	Music and the Brain, Literally. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 49.	2.0	2
70	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.	7.1	2
71	Review of The hidden spring: A journey to the source of consciousness.. <i>Psychoanalytic Psychology</i> , 2022, 39, 89-91.	0.6	2