Joseph E Ledoux

List of Publications by Year
in descending order

71 papers	25,816 citations	71102 41 h-index	91884 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

#	Article	IF	Citations
19	Topographic organization of convergent projections to the thalamus from the inferior colliculus and spinal cord in the rat. Journal of Comparative Neurology, 1987, 264, 123-146.	1.6	336
20	Indelibility of Subcortical Emotional Memories. Journal of Cognitive Neuroscience, 1989, 1, 238-243.	2.3	307
21	Information processing of visual stimuli in an â€˜extinguishedâ€™ field. Nature, 1979, 282, 722-724.	27.8	288
22	Surviving threats: neural circuit and computational implications of a new taxonomy of defensive behaviour. Nature Reviews Neuroscience, 2018, 19, 269-282.	10.2	235
23	Understanding the Higher-Order Approach to Consciousness. Trends in Cognitive Sciences, 2019, 23, 754-768.	7.8	220
24	Active Avoidance Learning Requires Prefrontal Suppression of Amygdala-Mediated Defensive Reactions. Journal of Neuroscience, 2013, 33, 3815-3823.	3.6	209
25	Orexin/hypocretin system modulates amygdala-dependent threat learning through the locus coeruleus. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20260-20265.	7.1	176
26	Functional Inactivation of the Amygdala before But Not after Auditory Fear Conditioning Prevents Memory Formation. Journal of Neuroscience, 1999, 19, RC48-RC48.	3.6	175
27	Avoiding negative outcomes: tracking the mechanisms of avoidance learning in humans during fear conditioning. Frontiers in Behavioral Neuroscience, 2009, 3, 33.	2.0	162
28	Active Avoidance Requires a Serial Basal Amygdala to Nucleus Accumbens Shell Circuit. Journal of Neuroscience, 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. Learning and Memory, 2010, 17, 139-147.	1.3	159
30	Fear and safety learning differentially affect synapse size and dendritic translation in the lateral amygdala. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9418-9423.	7.1	137
31	The subjective experience of emotion: a fearful view. Current Opinion in Behavioral Sciences, 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. Biological Psychiatry, 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. Biological Psychiatry, 2015, 78, 203-209.	1.3	112
34	A divided mind: Observations on the conscious properties of the separated hemispheres. Annals of Neurology, 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. Frontiers in Behavioral Neuroscience, 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. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3383-3388.	7.1	95

#	Article	IF	Citations
37	Active Avoidance: Neural Mechanisms and Attenuation of Pavlovian Conditioned Responding. Journal of Neuroscience, 2017, 37, 4808-4818.	3.6	94
38	Semantics, Surplus Meaning, and the Science of Fear. Trends in Cognitive Sciences, 2017, 21, 303-306.	7.8	72
39	Escape from fear: A detailed behavioral analysis of two atypical responses reinforced by CS termination.. Journal of Experimental Psychology, 2007, 33, 451-463.	1.7	70
40	Putting the â€œmentalâ€•back in â€œmental disordersâ€: a perspective from research on fear and anxiety. Molecular Psychiatry, 2022, 27, 1322-1330.	7.9	63
41	Sensory-Specific Associations Stored in the Lateral Amygdala Allow for Selective Alteration of Fear Memories. Journal of Neuroscience, 2011, 31, 9538-9543.	3.6	59
42	Î²-Adrenergic Receptors Regulate the Acquisition and Consolidation Phases of Aversive Memory Formation Through Distinct, Temporally Regulated Signaling Pathways. Neuropsychopharmacology, 2017, 42, 895-903.	5.4	56
43	Translational Approaches Targeting Reconsolidation. Current Topics in Behavioral Neurosciences, 2015, 28, 197-230.	1.7	45
44	Molecular Mechanisms of Threat Learning in the Lateral Nucleus of the Amygdala. Progress in Molecular Biology and Translational Science, 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. Molecular Psychiatry, 2020, 25, 640-654.	7.9	38
47	Thoughtful feelings. Current Biology, 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. Journal of Comparative Neurology, 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. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210292.	4.0	29
50	A recurrent network in the lateral amygdala: a mechanism for coincidence detection. Frontiers in Neural Circuits, 2008, 2, 3.	2.8	28
51	Feelings: What Are They & How Does the Brain Make Them?. Daedalus, 2015, 144, 96-111.	1.8	28
52	Medial Amygdala Lesions Selectively Block Aversive PavlovianÃ¢â‚¬â€œInstrumental Transfer in Rats. Frontiers in Behavioral Neuroscience, 2014, 8, 329.	2.0	27
53	What emotions might be like in other animals. Current Biology, 2021, 31, R824-R829.	3.9	26
54	Temporally and anatomically specific contributions of the human amygdala to threat and safety learning. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	26

#	Article	IF	Citations
55	Primary auditory cortex regulates threat memory specificity. Learning and Memory, 2017, 24, 55-58.	1.3	25
56	Development of an aversive Pavlovian-to-instrumental transfer task in rat. Frontiers in Behavioral Neuroscience, 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. American Journal of Psychiatry, 2017, 174, 1121-1122.	7.2	22
59	Lesions of lateral or central amygdala abolish aversive Pavlovian-to-instrumental transfer in rats. Frontiers in Behavioral Neuroscience, 2014, 8, 161.	2.0	20
60	Seeing consciousness through the lens of memory. Current Biology, 2020, 30, R1018-R1022.	3.9	20
61	How does the non-conscious become conscious?. Current Biology, 2020, 30, R196-R199.	3.9	20
62	Noradrenergic Regulation of Central Amygdala in Aversive Pavlovian-to-Instrumental Transfer. ENeuro, 2017, 4, ENEURO.0224-17.2017.	1.9	18
63	Modulation of instrumental responding by a conditioned threat stimulus requires lateral and central amygdala. Frontiers in Behavioral Neuroscience, 2015, 9, 293.	2.0	15
64	Pavlovian Extinction and Recovery Effects in Aversive Pavlovian to Instrumental Transfer. Frontiers in Behavioral Neuroscience, 2017, 11, 179.	2.0	8
65	Chemogenetic Inhibition Reveals That Processing Relative But Not Absolute Threat Requires Basal Amygdala. Journal of Neuroscience, 2019, 39, 8510-8516.	3.6	7
66	The brain and the split brain: A duel with duality as a model of mind. Behavioral and Brain Sciences, 1981, 4, 109-110.	0.7	6
67	Motivational factors underlying aversive Pavlovian-instrumental transfer. Learning and Memory, 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. Journal of Neuropsychiatry and Clinical Neurosciences, 2021, 33, 116-123.	1.8	3
69	Music and the Brain, Literally. Frontiers in Human Neuroscience, 2011, 5, 49.	2.0	2
70	A new vista in psychiatric treatment: Using individualized functional connectivity to track symptoms. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4450-4452.	7.1	2
71	Review of The hidden spring: A journey to the source of consciousness.. Psychoanalytic Psychology, 2022, 39, 89-91.	0.6	2