

Marie H Monfils

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

5,565
citations

186265

28
h-index

95266

68
g-index

83
all docs

83
docs citations

83
times ranked

4572
citing authors

#	ARTICLE	IF	CITATIONS
1	Preventing the return of fear in humans using reconsolidation update mechanisms. <i>Nature</i> , 2010, 463, 49-53.	27.8	1,047
2	Extinction-Reconsolidation Boundaries: Key to Persistent Attenuation of Fear Memories. <i>Science</i> , 2009, 324, 951-955.	12.6	795
3	Optical activation of lateral amygdala pyramidal cells instructs associative fear learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12692-12697.	7.1	269
4	Extinction during reconsolidation of threat memory diminishes prefrontal cortex involvement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20040-20045.	7.1	253
5	In Search of the Motor Engram: Motor Map Plasticity as a Mechanism for Encoding Motor Experience. <i>Neuroscientist</i> , 2005, 11, 471-483.	3.5	243
6	Erasing Fear Memories with Extinction Training: Figure 1.. <i>Journal of Neuroscience</i> , 2010, 30, 14993-14997.	3.6	206
7	The aging hippocampus: A multi-level analysis in the rat. <i>Neuroscience</i> , 2006, 139, 1173-1185.	2.3	188
8	Synapse-specific reconsolidation of distinct fear memories in the lateral amygdala. <i>Nature Neuroscience</i> , 2007, 10, 414-416.	14.8	157
9	Cortical stimulation improves skilled forelimb use following a focal ischemic infarct in the rat. <i>Neurological Research</i> , 2003, 25, 794-800.	1.3	153
10	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
11	The roots of empathy: Through the lens of rodent models. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 76, 216-234.	6.1	135
12	Functional Organization of Adult Motor Cortex Is Dependent upon Continued Protein Synthesis. <i>Neuron</i> , 2003, 40, 167-176.	8.1	134
13	Post-retrieval extinction as reconsolidation interference: methodological issues or boundary conditions?. <i>Psychopharmacology</i> , 2013, 226, 631-647.	3.1	121
14	Fear conditioning by-proxy: Social transmission of fear during memory retrieval. <i>Behavioural Brain Research</i> , 2010, 214, 80-84.	2.2	113
15	Long-term Potentiation Induces Expanded Movement Representations and Dendritic Hypertrophy in Layer V of Rat Sensorimotor Neocortex. <i>Cerebral Cortex</i> , 2004, 14, 586-593.	2.9	111
16	Gradual extinction prevents the return of fear: implications for the discovery of state. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 164.	2.0	105
17	Memory boundaries: opening a window inspired by reconsolidation to treat anxiety, trauma-related, and addiction disorders. <i>Lancet Psychiatry</i> , 2018, 5, 1032-1042.	7.4	103
18	Motor Map Expansion Following Repeated Cortical and Limbic Seizures Is Related to Synaptic Potentiation. <i>Cerebral Cortex</i> , 2002, 12, 98-105.	2.9	95

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19	The computational nature of memory modification. <i>ELife</i> , 2017, 6, .	6.0	92
20	Social transmission of Pavlovian fear: fear-conditioning by-proxy in related female rats. <i>Animal Cognition</i> , 2014, 17, 827-834.	1.8	68
21	Dominance status predicts social fear transmission in laboratory rats. <i>Animal Cognition</i> , 2016, 19, 1051-1069.	1.8	67
22	Induction of long-term depression is associated with decreased dendritic length and spine density in layers III and V of sensorimotor neocortex. <i>Synapse</i> , 2004, 53, 114-121.	1.2	56
23	FGF-induced cell proliferation stimulates anatomical, neurophysiological and functional recovery from neonatal motor cortex injury. <i>European Journal of Neuroscience</i> , 2006, 24, 739-749.	2.6	48
24	Updating appetitive memory during reconsolidation window: critical role of cue-directed behavior and amygdala central nucleus. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 186.	2.0	48
25	Extinction, applied after retrieval of auditory fear memory, selectively increases zinc-finger protein 268 and phosphorylated ribosomal protein S6 expression in prefrontal cortex and lateral amygdala. <i>Neurobiology of Learning and Memory</i> , 2014, 115, 78-85.	1.9	45
26	Predictability and heritability of individual differences in fear learning. <i>Animal Cognition</i> , 2014, 17, 1207-1221.	1.8	44
27	Brain-Derived Neurotrophic Factor: Linking Fear Learning to Memory Consolidation. <i>Molecular Pharmacology</i> , 2007, 72, 235-237.	2.3	43
28	Induction of Neocortical Long-Term Depression Results in Smaller Movement Representations, Fewer Excitatory Perforated Synapses, and More Inhibitory Synapses. <i>Cerebral Cortex</i> , 2006, 17, 434-442.	2.9	38
29	Conserved features of anterior cingulate networks support observational learning across species. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 107, 215-228.	6.1	34
30	Use of a Brief Fear Memory Reactivation Procedure for Enhancing Exposure Therapy. <i>Clinical Psychological Science</i> , 2017, 5, 367-378.	4.0	30
31	Insights from social transmission of information in rodents. <i>Genes, Brain and Behavior</i> , 2019, 18, e12534.	2.2	30
32	Neocortical kindling is associated with opposing alterations in dendritic morphology in neocortical layer V and striatum from neocortical layer III. <i>Synapse</i> , 2006, 59, 1-9.	1.2	28
33	GABAC receptors in the lateral amygdala: a possible novel target for the treatment of fear and anxiety disorders?. <i>Frontiers in Behavioral Neuroscience</i> , 2010, 4, 6.	2.0	28
34	Appetitive behavioral traits and stimulus intensity influence maintenance of conditioned fear. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 179.	2.0	27
35	Extinction and Retrieval + Extinction of Conditioned Fear Differentially Activate Medial Prefrontal Cortex and Amygdala in Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 369.	2.0	27
36	Learned together, extinguished apart: reducing fear to complex stimuli. <i>Learning and Memory</i> , 2013, 20, 674-685.	1.3	26

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37	The modulation of play fighting in rats: Role of the motor cortex.. Behavioral Neuroscience, 2007, 121, 164-176.	1.2	25
38	Postretrieval Extinction Attenuates Alcohol Cue Reactivity in Rats. Alcoholism: Clinical and Experimental Research, 2017, 41, 608-617.	2.4	25
39	Data-driven criteria to assess fear remission and phenotypic variability of extinction in rats. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170035.	4.0	25
40	Post-retrieval extinction in adolescence prevents return of juvenile fear. Learning and Memory, 2016, 23, 567-575.	1.3	22
41	Effects of acute exercise on fear extinction in rats and exposure therapy in humans: Null findings from five experiments. Journal of Anxiety Disorders, 2017, 50, 76-86.	3.2	22
42	Predicting extinction phenotype to optimize fear reduction. Psychopharmacology, 2019, 236, 99-110.	3.1	22
43	Differential neuroplastic changes in neocortical movement representations and dendritic morphology in epilepsy-prone and epilepsy-resistant rat strains following high-frequency stimulation. European Journal of Neuroscience, 2004, 19, 2319-2328.	2.6	20
44	Therapeutic Benefits of Methylene Blue on Cognitive Impairment during Chronic Cerebral Hypoperfusion. Journal of Alzheimer's Disease, 2014, 42, S525-S535.	2.6	19
45	Preventing the return of fear using reconsolidation updating and methylene blue is differentially dependent on extinction learning. Scientific Reports, 2017, 7, 46071.	3.3	19
46	FGF-2-induced functional improvement from neonatal motor cortex injury via corticospinal projections. Experimental Brain Research, 2008, 185, 453-460.	1.5	18
47	Assessing Fear Following Retrieval + Extinction Through Suppression of Baseline Reward Seeking vs. Freezing. Frontiers in Behavioral Neuroscience, 2015, 9, 355.	2.0	14
48	Does exercise augment operant and Pavlovian extinction: A meta-analysis. Journal of Psychiatric Research, 2018, 96, 73-93.	3.1	14
49	Motor maps, seizures, and behaviour.. Canadian Journal of Experimental Psychology, 2008, 62, 132-139.	0.8	13
50	Methylene Blue Preserves Cytochrome Oxidase Activity and Prevents Neurodegeneration and Memory Impairment in Rats With Chronic Cerebral Hypoperfusion. Frontiers in Cellular Neuroscience, 2020, 14, 130.	3.7	12
51	Differing effects of familiarity/kinship in the social transmission of fear associations and food preferences in rats. Animal Cognition, 2019, 22, 1013-1026.	1.8	11
52	Augmenting exposure therapy with pre-extinction fear memory reactivation and deepened extinction: A randomized controlled trial. Behaviour Research and Therapy, 2020, 135, 103730.	3.1	11
53	Fight, Flight, or Freeze? The Answer May Depend on Your Sex. Trends in Neurosciences, 2016, 39, 51-53.	8.6	10
54	Alcohol-associated antecedent stimuli elicit alcohol seeking in non-dependent rats and may activate the insula. Alcohol, 2019, 76, 91-102.	1.7	10

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55	Effect of demonstrator reliability and recency of last demonstration on acquisition of a socially transmitted food preference. <i>Royal Society Open Science</i> , 2018, 5, 172391.	2.4	9
56	Mapping the estrous cycle to context-specific extinction memory.. <i>Behavioral Neuroscience</i> , 2019, 133, 614-623.	1.2	9
57	Reconsolidation-Extinction Interactions in Fear Memory Attenuation: The Role of Inter-Trial Interval Variability. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 2.	2.0	8
58	Characterizing conditioned reactivity to sequential alcohol-predictive cues in well-trained rats. <i>Alcohol</i> , 2018, 69, 41-49.	1.7	8
59	Fear Conditioning by Proxy: Social Transmission of Fear Between Interacting Conspecifics. <i>Current Protocols in Neuroscience</i> , 2018, 83, e43.	2.6	8
60	Cue-alcohol associative learning in female rats. <i>Alcohol</i> , 2019, 81, 1-9.	1.7	8
61	Neurophysiological properties of cells filling the neonatal medial prefrontal cortex lesion cavity. <i>Brain Research</i> , 2007, 1178, 38-43.	2.2	7
62	Extinction to amphetamine-associated context in female rats is dependent upon conditioned orienting. <i>Psychopharmacology</i> , 2019, 236, 507-515.	3.1	7
63	A quantitative comparison of synaptic density following perfusion versus immersion fixation in the rat cerebral cortex. <i>Microscopy Research and Technique</i> , 2005, 67, 300-304.	2.2	6
64	Using Reconsolidation and Extinction to Weaken Fear Memories in Animal Models. , 2013, , 165-184.		4
65	Sex differences in conditioned orienting and the role of estradiol in addiction-related behaviors.. <i>Behavioral Neuroscience</i> , 2022, 136, 19-29.	1.2	3
66	From Ultrastructure to Networks: Kindling-induced changes in neocortex. , 2005, , 125-135.		2
67	The Social Transmission of Associative Fear in Rodentsâ€™ Individual Differences in Fear Conditioning by Proxy. , 2018, , 93-109.		1
68	Differential effects of predictable vs. unpredictable aversive experience early in development on fear memory and learning in adulthood.. <i>Behavioral Neuroscience</i> , 2018, 132, 57-65.	1.2	1
69	Appetitive Behavior in the Social Transmission of Food Preference Paradigm Predicts Activation of Orexin-A producing Neurons in a Sex-Dependent Manner. <i>Neuroscience</i> , 2022, 481, 30-46.	2.3	1
70	The High Road to Inhibiting Fear Memories. <i>Biological Psychiatry</i> , 2022, 92, 102-103.	1.3	1
71	Anxiety and Fear Conditioning, Neural Basis of. , 2015, , 811-817.		0
72	Limbic System. , 2015, , 125-130.		0

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73	Altering Perceived Context: Transportation Cues Influence Novelty-Induced Context Exploration. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 714927.	2.0	0
74	Updating mechanisms using an olfactory cue were not successful in improving memory in a rodent model of cognitive aging or in older adults.. <i>Psychology and Neuroscience</i> , 2020, 13, 406-423.	0.8	0