Richard F Thompson

List of Publications by Year
in descending order

146 papers	19,656 citations	19636 61 h-index	12933 131 g-index
153 all docs	153 docs citations	153 times ranked	8889 citing authors

#	Article	IF	Citations
1	Localization and characterization of an essential associative memory trace in the mammalian brain. Brain Research, 2015, 1621, 252-259.	1.1	12
2	Learning and Memory. , 2014, , 591-637.		10
3	Prolonging the postcomplex spike pause speeds eyeblink conditioning. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16726-16730.	3.3	17
4	Allopregnanolone restores hippocampal-dependent learning and memory and neural progenitor survival in aging 3xTgAD and nonTg mice. Neurobiology of Aging, 2012, 33, 1493-1506.	1.5	128
5	Allopregnanolone reverses neurogenic and cognitive deficits in mouse model of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6498-6503.	3.3	241
6	Regulation of Hippocampal Synaptic Plasticity by Estrogen and Progesterone. Vitamins and Hormones, 2010, 82, 219-239.	0.7	40
7	The role of the cerebellar interpositus nucleus in short and long term memory for trace eyeblink conditioning.. Behavioral Neuroscience, 2009, 123, 54-61.	0.6	41
8	Habituation: A history. Neurobiology of Learning and Memory, 2009, 92, 127-134.	1.0	337
9	Habituation revisited: An updated and revised description of the behavioral characteristics of habituation. Neurobiology of Learning and Memory, 2009, 92, 135-138.	1.0	1,167
10	Progesterone receptors: Form and function in brain. Frontiers in Neuroendocrinology, 2008, 29, 313-339.	2.5	531
11	Extinction of a Classically Conditioned Response: Red Nucleus and Interpositus. Journal of Neuroscience, 2008, 28, 2651-2658.	1.7	25
12	17Î²-estradiol modifies stress-induced and age-related changes in hippocampal synaptic plasticity.. Behavioral Neuroscience, 2008, 122, 301-309.	0.6	47
13	Eye-blink conditioning is associated with changes in synaptic ultrastructure in the rabbit interpositus nuclei. Learning and Memory, 2007, 14, 385-389.	0.5	45
14	Multiple Memory Mechanisms in the Cerebellum?. Neuron, 2006, 51, 680-682.	3.8	4
15	Molecular evidence for two-stage learning and partial laterality in eyeblink conditioning of mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5549-5554.	3.3	29
16	Neurobiological Foundations of Stress. , 2006, , 37-65.		2
17	Long-Term Storage of an Associative Memory Trace in the Cerebellum.. Behavioral Neuroscience, 2005, 119, 526-537.	0.6	60
18	In Search of Memory Traces. Annual Review of Psychology, 2005, 56, 1-23.	9.9	323

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19	Comment on "Cerebellar LTD and Learning-Dependent Timing of Conditioned Eyelid Responses". Science, 2004, 304, 211b-211b.	6.0	8
20	Brain Mechanisms of Extinction of the Classically Conditioned Eyeblink Response. Learning and Memory, 2004, 11, 517-524.	0.5	67
21	Timing of conditioned responses utilizing electrical stimulation in the region of the interpositus nucleus as a CS. Integrative Psychological and Behavioral Science, 2004, 39, 83-94.	0.3	9
22	Learning and Memory: Basic Mechanisms. , 2004, , 499-574.		4
23	Neural Substrates of Eyeblink Conditioning: Acquisition and Retention. Learning and Memory, 2003, 10, 427-455.	0.5	539
24	Inhibiting the Expression of a Classically Conditioned Behavior Prevents Its Extinction. Journal of Neuroscience, 2003, 23, 10577-10584.	1.7	36
25	Cerebellar cortical inhibition and classical eyeblink conditioning. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1592-1597.	3.3	125
26	Discovering the Brain Substrates of Eyeblink Classical Conditioning. , 2002, , 17-49.		5
27	Mechanisms of neuronal conditioning. International Review of Neurobiology, 2001, 45, 313-337.	0.9	23
28	Spinal Plasticity. , 2001, , 1-11.		6
29	Learning- and cerebellum-dependent neuronal activity in the lateral pontine nucleus.. Behavioral Neuroscience, 2000, 114, 254-261.	0.6	46
30	Intracerebellar conditioning â€" Brogden and Gantt revisited. Behavioural Brain Research, 2000, 110, 3-11.	1.2	24
31	The amygdala modulates prefrontal cortex activity relative to conditioned fear. Nature, 1999, 402, 294-296.	13.7	347
32	Essential Neuronal Pathways for Reflex and Conditioned Response Initiation in an Intracerebellar Stimulation Paradigm and the Impact of Unconditioned Stimulus Preexposure on Learning Rate. Neurobiology of Learning and Memory, 1999, 71, 167-193.	1.0	13
33	Bilateral lesions of the interpositus nucleus completely prevent eyeblink conditioning in Purkinje cell-degeneration mutant mice.. Behavioral Neuroscience, 1999, 113, 204-210.	0.6	55
34	Learning Induces a CDC2-Related Protein Kinase, KKIAMRE. Journal of Neuroscience, 1999, 19, 9530-9537.	1.7	53
35	Effects of Paired and Unpaired Eye-Blink Conditioning on Purkinje Cell Morphology. Learning and Memory, 1999, 6, 128-137.	0.5	10
36	Selective changes in AMPA receptors in rabbit cerebellum following classical conditioning of the eyelid-nictitating membrane response. Brain Research, 1998, 803, 9-18.	1.1	20

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37	Importance of the Intracellular Domain of NR2 Subunits for NMDA Receptor Function In Vivo. Cell, 1998, 92, 279-289.	13.5	419
38	The Nature of Reinforcement in Cerebellar Learning. Neurobiology of Learning and Memory, 1998, 70, 150-176.	1.0	85
39	Inhibitory Cerebello-Olivary Projections and Blocking Effect in Classical Conditioning. Science, 1998, 279, 570-573.	6.0	254
40	Evidence of plasticity in the pontocerebellar conditioned stimulus pathway during classical conditioning of the eyeblink response in the rabbit.. Behavioral Neuroscience, 1998, 112, 267-285.	0.6	71
41	Cerebellar Brain-Derived Neurotrophic Factorâ€“TrkB Defect Associated with Impairment of Eyeblink Conditioning inStargazerMutant Mice. Journal of Neuroscience, 1998, 18, 6990-6999.	1.7	78
42	Impaired Eye-Blink Conditioning in waggler, a Mutant Mouse With Cerebellar BDNF Deficiency. Learning and Memory, 1998, 5, 355-364.	0.5	40
43	Associative Learning. International Review of Neurobiology, 1997, 41, 151-189.	0.9	132
44	Motor cortex lesions do not affect learning or performance of the eyeblink response in rabbits.. Behavioral Neuroscience, 1997, 111, 727-738.	0.6	24
45	Time-dependent blockade of STP and LTP in hippocampal slices following acute stress in mice. Neuroscience Letters, 1997, 233, 41-44.	1.0	79
46	Classical conditioning has much to do with LTP. Behavioral and Brain Sciences, 1997, 20, 632-633.	0.4	3
47	Hippocampal lesions impair contextual fear conditioning in two strains of mice.. Behavioral Neuroscience, 1996, 110, 1177-1180.	0.6	107
48	Deficient Cerebellar Long-Term Depression, Impaired Eyeblink Conditioning, and Normal Motor Coordination in GFAP Mutant Mice. Neuron, 1996, 16, 587-599.	3.8	415
49	Motor learning and synaptic plasticity in the cerebellum. Behavioral and Brain Sciences, 1996, 19, 475-477.	0.4	4
50	Classical conditioning with electrical stimulation of cerebellum as both conditioned and unconditioned stimulus.. Behavioral Neuroscience, 1996, 110, 914-921.	0.6	31
51	Inactivation of brainstem motor nuclei blocks expression but not acquisition of the rabbit's classically conditioned eyeblink response.. Behavioral Neuroscience, 1996, 110, 219-227.	0.6	54
52	Hippocampectomy impairs the memory of recently, but not remotely, acquired trace eyeblink conditioned responses.. Behavioral Neuroscience, 1995, 109, 195-203.	0.6	475
53	Impaired motor coordination correlates with persistent multiple climbing fiber innervation in PKCÎ³ mutant mice. Cell, 1995, 83, 1233-1242.	13.5	410
54	Parallel augmentation of hippocampal long-term potentiation, theta rhythm, and contextual fear conditioning in water-deprived rats.. Behavioral Neuroscience, 1994, 108, 44-56.	0.6	97

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55	Cerebellar cortical lesions and reacquisition in classical conditioning of the nictitating membrane response in rabbits. Brain Research, 1993, 608, 67-77.	1.1	46
56	Projections from the auditory cortex to the pontine nuclei in the rabbit. Behavioural Brain Research, 1993, 56, 23-30.	1.2	43
57	Mammalian Brain Substrates of Aversive Classical Conditioning. Annual Review of Psychology, 1993, 44, 317-342.	9.9	272
58	Lidocaine infusion in a critical region of cerebellum completely prevents learning of the conditioned eyeblink response.. Behavioral Neuroscience, 1993, 107, 882-886.	0.6	58
59	Interpositus lesion abolition of the eyeblink conditioned response is not due to effects on performance.. Behavioral Neuroscience, 1993, 107, 530-532.	0.6	20
60	Individual differences in emergence neophobia predict magnitude of perforant-path long-term potentiation (LTP) and plasma corticosterone levels in rats. Cognitive, Affective and Behavioral Neuroscience, 1993, 21, 2-10.	1.2	13
61	Conditioning using a cerebral cortical conditioned stimulus is dependent on the cerebellum and brain stem circuitry.. Behavioral Neuroscience, 1992, 106, 509-517.	0.6	59
62	Cerebellar stimulation as an unconditioned stimulus in classical conditioning.. Behavioral Neuroscience, 1992, 106, 739-750.	0.6	87
63	Learning of a hippocampal-dependent conditioning task changes the binding properties of AMPA receptors in rabbit hippocampus. Behavioral and Neural Biology, 1992, 58, 222-231.	2.3	34
64	Delayed acquisition of eyeblink conditioning in aged F1 hybrid (Fischer-344 Ã— brown Norway) rats. Neurobiology of Aging, 1992, 13, 319-323.	1.5	30
65	Long-term potentiation is associated with increased [3H]AMPA binding in rat hippocampus. Brain Research, 1992, 573, 228-234.	1.1	131
66	Acute stress impairs (or induces) synaptic long-term potentiation (LTP) but does not affect paired-pulse facilitation in the stratum radiatum of rat hippocampus. Synapse, 1992, 11, 262-265.	0.6	114
67	Classical conditioning selectively increases AMPA receptor binding in rabbit hippocampus. Brain Research, 1991, 559, 331-336.	1.1	77
68	Selective increase of AMPA binding to the AMPA/quisqualate receptor in the hippocampus in response to acute stress. Brain Research, 1991, 559, 168-171.	1.1	85
69	Are eyeblink responses to tone in the decerebrate, decerebellate rabbit conditioned responses?. Behavioural Brain Research, 1991, 44, 27-34.	1.2	41
70	Are memory traces localized or distributed?. Neuropsychologia, 1991, 29, 571-582.	0.7	61
71	Sensorimotor Learning and the Cerebellum. Research Notes in Neural Computing, 1991, , 381-396.	0.1	16
72	Manipulation of Pituitary-Adrenal Activity Affects Neural Plasticity in Rodent Hippocampus. Psychological Science, 1990, 1, 201-204.	1.8	15

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73	Unpredictable and uncontrollable stress impairs neuronal plasticity in the rat hippocampus. Brain Research Bulletin, 1990, 24, 663-667.	1.4	120
74	Neurobiological Substrates of Classical Conditioning across the Life Span. Annals of the New York Academy of Sciences, 1990, 608, 150-178.	1.8	39
75	Opioid antagonist eliminates the stress-induced impairment of long-term potentiation (LTP). Brain Research, 1990, 506, 316-318.	1.1	34
76	Classical conditioning in rabbits using pontine nucleus stimulation as a conditioned stimulus and inferior olive stimulation as an unconditioned stimulus. Synapse, 1989, 3, 225-233.	0.6	324
77	Integrating Behavioral and Biological Models of Classical Conditioning. Psychology of Learning and Motivation - Advances in Research and Theory, 1989, , 109-156.	0.5	37
78	Stimulation of the lateral septum is a more effective conditioned stimulus than stimulation of the medial septum during classical conditioning of the eye-blink response.. Behavioral Neuroscience, 1989, 103, 206-208.	0.6	9
79	Learning and Memory, Neural Mechanisms. , 1989, , 8-10.		0
80	Learning and Memory. , 1989, , 5-7.		0
81	Modeling the neural substrates of associative learning and memory: A computational approach.. Psychological Review, 1987, 94, 176-191.	2.7	218
82	Behavioral stress impairs long-term potentiation in rodent hippocampus. Behavioral and Neural Biology, 1987, 48, 138-149.	2.3	432
83	Classical conditioning in 3-, 30-, and 45-month-old rabbits: Behavioral learning and hippocampal unit activity. Neurobiology of Aging, 1987, 8, 101-108.	1.5	91
84	Classical conditioning of the rabbit eyelid response with a mossy-fiber stimulation CS: I. Pontine nuclei and middle cerebellar peduncle stimulation.. Behavioral Neuroscience, 1986, 100, 878-887.	0.6	166
85	Hippocampus and trace conditioning of the rabbit's classically conditioned nictitating membrane response.. Behavioral Neuroscience, 1986, 100, 729-744.	0.6	680
86	Role of the Hippocampus in Classical Conditioning of Aversive and Appetitive Behaviors. , 1986, , 203-239.		54
87	THE SEARCH FOR THE ENGRAM. , 1986, , 3-52.		2
88	Classical conditioning of the eyelid response in rabbits as a model system for the study of brain mechanisms of learning and memory in aging. Experimental Aging Research, 1985, 11, 109-122.	0.6	52
89	Cochlear nucleus, inferior colliculus, and medial geniculate responses during the behavioral detection of thresholdâ€level auditory stimuli in the rabbit. Journal of the Acoustical Society of America, 1985, 77, 2111-2127.	0.5	15
90	Trace conditioning: Abolished by cerebellar nuclear lesions but not lateral cerebellar cortex aspirations. Brain Research, 1985, 348, 249-260.	1.1	178

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91	Unit activity recorded from the globus pallidus during classical conditioning of the rabbit nictitating membrane response. Brain Research, 1985, 332, 219-229.	1.1	11
92	Lesions of the inferior olivary complex cause extinction of the classically conditioned eyeblink response. Brain Research, 1985, 359, 120-130.	1.1	355
93	Cerebellar lesions abolish an avoidance response in rabbit. Behavioral and Neural Biology, 1985, 44, 221-227.	2.3	35
94	Classical conditioning of the rabbit eyelid response with mossy fiber stimulation as the conditioned stimulus. Bulletin of the Psychonomic Society, 1985, 23, 245-248.	0.2	59
95	Increased responsivity of dentate granule cells during nictitating membrane response conditioning in rabbit. Behavioural Brain Research, 1984, 12, 145-154.	1.2	133
96	A nonrecoverable learning deficit. Physiological Psychology, 1984, 12, 103-110.	0.8	50
97	Effects of lesions of cerebellar nuclei on conditioned behavioral and hippocampal neuronal responses. Brain Research, 1984, 291, 125-136.	1.1	376
98	Neuronal responses of the rabbit brainstem during performance of the classically conditioned nictitating membrane (NM)/eyelid response. Brain Research, 1983, 271, 73-88.	1.1	79
99	Neuronal substrates of simple associative learning: classical conditioning. Trends in Neurosciences, 1983, 6, 270-275.	4.2	47
100	Auditory signal detection and decision processes in the nervous system.. Journal of Comparative and Physiological Psychology, 1982, 96, 328-331.	1.8	30
101	Superior cerebellar peduncle lesions selectively abolish the ipsilateral classically conditioned nictitating membrane/eyelid response of the rabbit. Brain Research, 1982, 244, 347-350.	1.1	141
102	Ipsilateral cerebellar lesions prevent learning of the classically conditioned nictitating membrane/eyelid response. Brain Research, 1982, 242, 190-193.	1.1	158
103	Locus coeruleus lesions and resistance to extinction of a classically conditioned response: Involvement of the neocortex and hippocampus. Brain Research, 1982, 245, 239-249.	1.1	63
104	Concomitant classical conditioning of the rabbit nictitating membrane and eyelid responses: Correlations and implications. Physiology and Behavior, 1982, 28, 769-775.	1.0	115
105	Hippocampal cellular plasticity during extinction of classically conditioned nictitating membrane behavior. Behavioural Brain Research, 1982, 4, 63-76.	1.2	39
106	The engram found? Role of the cerebellum in classical conditioning of nictitating membrane and eyelid responses. Bulletin of the Psychonomic Society, 1981, 18, 103-105.	0.2	255
107	Effects of ipsilateral rostral pontine reticular lesions on retention of classically conditioned nictitating membrane and eyelid responses. Physiological Psychology, 1981, 9, 335-339.	0.8	73
108	Effect of the interstimulus (CSâ€“UCS) interval on hippocampal unit activity during classical conditioning of the nictitating membrane response of the rabbit (Oryctolagus cuniculus).. Journal of Comparative and Physiological Psychology, 1980, 94, 201-215.	1.8	116

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109	Simultaneous behavioral and neural (cochlear nucleus) measurement during signal detection in the rabbit. Perception & Psychophysics, 1980, 28, 504-513.	2.3	16
110	Alterations in spontaneous miniature potential activity during habituation of a vertebrate monosynaptic pathway. Brain Research, 1980, 189, 377-390.	1.1	8
111	Reciprocal anatomical connections between hippocampus and subiculum in the rabbit: Evidence for subicular innervation of regio superior. Brain Research, 1980, 183, 265-276.	1.1	97
112	Hippocampal unit-behavior correlations during classical conditioning. Brain Research, 1980, 193, 229-248.	1.1	106
113	Learning-dependent neuronal responses recorded from limbic system brain structures during classical conditioning. Physiological Psychology, 1980, 8, 155-167.	0.8	72
114	Neural unit activity in an anterior â€œnonspecificâ€•cortical area during classical conditioning of the rabbitâ€™s nictitating membrane response. Bulletin of the Psychonomic Society, 1980, 15, 61-64.	0.2	3
115	The Search for the Engram, II. , 1980, , 172-222.		36
116	Brain Mechanisms of Learning. , 1980, , 221-239.		8
117	The effect of temporal single alternation on learned increases in hippocampal unit activity in classical conditioning of the rabbit nictitating membrane response. Physiological Psychology, 1979, 7, 345-351.	0.8	99
118	Neuronal plasticity recorded from cat hippocampus during classical conditioning. Brain Research, 1979, 163, 339-343.	1.1	74
119	Neuronal unit activity in the abducens nucleus during classical conditioning of the nictitating membrane response in the rabbit (Oryctolagus cuniculus).. Journal of Comparative and Physiological Psychology, 1979, 93, 595-609.	1.8	61
120	Hippocampal activity as a temporal template for learned behavior. Behavioral and Brain Sciences, 1979, 2, 348-348.	0.4	0
121	â€œModel systemsâ€•versus â€œneuroethologicalâ€•approach to hippocampal function. Behavioral and Brain Sciences, 1979, 2, 517-518.	0.4	1
122	Neuronal plasticity in the limbic system during classical conditioning of the rabbit nictitating membrane response. II: Septum and mammillary bodies. Brain Research, 1978, 156, 293-314.	1.1	129
123	Neuronal plasticity in the limbic system during classical conditioning of the rabbit nictitating membrane response. I. The hippocampus. Brain Research, 1978, 145, 323-346.	1.1	530
124	Response properties of single units in an association area of the kitten neocortex. Physiology and Behavior, 1976, 16, 151-161.	1.0	4
125	Mechanisms of efferent neuronal control of the reflex nictitating membrane response in rabbit (Oryctolagus cuniculus).. Journal of Comparative and Physiological Psychology, 1976, 90, 411-423.	1.8	130
126	Tone-induced changes in excitability of abducens motoneurons and of the reflex path of nictitating membrane response in rabbit (Oryctolagus cuniculus).. Journal of Comparative and Physiological Psychology, 1976, 90, 424-434.	1.8	92

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127	The search for the engram.. American Psychologist, 1976, 31, 209-227.	3.8	408
128	A Dual-Process Theory of Habituation: Theory and Behavior. , 1973, , 239-271.		108
129	A Dual-Process Theory of Habituation: Neural Mechanisms. , 1973, , 175-205.		36
130	Stimulus generalization of habituation in spinal interneurons. Physiology and Behavior, 1972, 8, 155-158.	1.0	20
131	Habituation of the pyramidal response in unanesthetized cat. Physiology and Behavior, 1972, 8, 201-205.	1.0	8
132	Habituation and dishabituation to dorsal root stimulation in the isolated frog spinal cord. Behavioral Biology, 1972, 7, 37-45.	2.3	12
133	Habituation: A dual-process theory.. Psychological Review, 1970, 77, 419-450.	2.7	1,950
134	Effects of stimulus frequency and intensity on habituation and sensitization in acute spinal cat. Physiology and Behavior, 1969, 4, 383-388.	1.0	81
135	Habituation and sensitization of spinal interneuron activity in acute spinal cat. Brain Research, 1969, 14, 521-525.	1.1	48
136	Effects of stimulation of frontal cortex on neuronal activity in association and sensory areas of the cortex. Learning and Behavior, 1968, 12, 167-168.	0.6	1
137	Sensory preconditioning of cats in a shuttle box avoidance situation. Learning and Behavior, 1968, 13, 37-38.	0.6	4
138	Classical conditioning of the hindlimb flexion reflex in the acute spinal cat. Learning and Behavior, 1967, 8, 213-214.	0.6	40
139	Cortical control of specific and nonspecific sensory projections to the cerebral cortex. Learning and Behavior, 1966, 4, 93-94.	0.6	8
140	Habituation: A model phenomenon for the study of neuronal substrates of behavior.. Psychological Review, 1966, 73, 16-43.	2.7	2,294
141	Behavioral correlates of evoked activity recorded from association areas of the cerebral cortex.. Journal of Comparative and Physiological Psychology, 1965, 60, 329-339.	1.8	53
142	Dependence of evoked cortical association responses on behavioral variables. Learning and Behavior, 1964, 1, 153-154.	0.6	14
143	Inverse relation between evoked cortical association responses and behavioral orienting to repeated auditory stimuli. Learning and Behavior, 1964, 1, 399-400.	0.6	5
144	Role of auditory cortex in reflex head orientation by cats to auditory stimuli.. Journal of Comparative and Physiological Psychology, 1963, 56, 996-1002.	1.8	73

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145	Learning and memory: basic principles and model systems. , 0, , 26-43.		0
146	Learning and memory: basic principles and model systems. , 0, , 22-35.		1