

Joyce Keifer

List of Publications by Year in descending order

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65
papers

1,554
citations

257357

24
h-index

330025

37
g-index

66
all docs

66
docs citations

66
times ranked

1379
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed motor commands in the limb premotor network. Trends in Neurosciences, 1993, 16, 27-33.	4.2	189
2	AMPA receptor trafficking and learning. European Journal of Neuroscience, 2010, 32, 269-277.	1.2	79
3	Putting the "Biology" Back into "Neurobiology": The Strength of Diversity in Animal Model Systems for Neuroscience Research. Frontiers in Systems Neuroscience, 2016, 10, 69.	1.2	77
4	Oligomeric Amyloid- β^2 Inhibits the Proteolytic Conversion of Brain-derived Neurotrophic Factor (BDNF), AMPA Receptor Trafficking, and Classical Conditioning. Journal of Biological Chemistry, 2010, 285, 34708-34717.	1.6	56
5	Somatosensory and movement-related properties of red nucleus: a single unit study in the turtle. Experimental Brain Research, 1996, 108, 1-17.	0.7	52
6	BDNF-induced synaptic delivery of AMPAR subunits is differentially dependent on NMDA receptors and requires ERK. Neurobiology of Learning and Memory, 2009, 91, 243-249.	1.0	52
7	Organization of face representation in the cingulate cortex of the rhesus monkey. NeuroReport, 1996, 7, 1343-1348.	0.6	49
8	Motor neuron synaptic potentials during fictive scratch reflex in turtle. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1982, 146, 401-409.	0.7	47
9	In vitro motor program for the rostral scratch reflex generated by the turtle spinal cord. Brain Research, 1983, 266, 148-151.	1.1	40
10	PKA Has a Critical Role in Synaptic Delivery of GluR1- and GluR4-Containing AMPARs During Initial Stages of Acquisition of In Vitro Classical Conditioning. Journal of Neurophysiology, 2009, 101, 2539-2549.	0.9	38
11	Cleavage of proBDNF to BDNF by a Tollid-Like Metalloproteinase Is Required for Acquisition of <i>In Vitro</i> Eyeblink Classical Conditioning. Journal of Neuroscience, 2009, 29, 14956-14964.	1.7	37
12	<i>In Vitro</i> Eye-Blink Classical Conditioning Is NMDA Receptor Dependent and Involves Redistribution of AMPA Receptor Subunit GluR4. Journal of Neuroscience, 2001, 21, 2434-2441.	1.7	35
13	Glutamate Receptor Subunits are Altered in Forebrain and Cerebellum in Rats Chronically Exposed to the NMDA Receptor Antagonist Phencyclidine. Neuropsychopharmacology, 2004, 29, 2065-2073.	2.8	35
14	Quantitative analysis of immunofluorescent punctate staining of synaptically localized proteins using confocal microscopy and stereology. Journal of Neuroscience Methods, 2006, 157, 218-224.	1.3	34
15	Expression of the immediate-early gene-encoded protein Egr-1 (zif268) during in vitro classical conditioning. Learning and Memory, 2005, 12, 144-149.	0.5	33
16	The Cerebellum and Red Nucleus Are Not Required for <i>In Vitro</i> Classical Conditioning of the Turtle Abducens Nerve Response. Journal of Neuroscience, 1997, 17, 9736-9745.	1.7	32
17	A MicroRNA-BDNF Negative Feedback Signaling Loop in Brain: Implications for Alzheimer's Disease. MicroRNA (Sharjah, United Arab Emirates), 2015, 4, 101-108.	0.6	32
18	Properties of Conditioned Abducens Nerve Responses in a Highly Reduced In Vitro Brain Stem Preparation From the Turtle. Journal of Neurophysiology, 1999, 81, 1242-1250.	0.9	31

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19	Immediate-Early Gene-Encoded Protein Arc Is Associated With Synaptic Delivery of GluR4-containing AMPA Receptors During In Vitro Classical Conditioning. <i>Journal of Neurophysiology</i> , 2006, 95, 215-224.	0.9	31
20	Conversion of Silent Synapses Into the Active Pool by Selective GluR1-3 and GluR4 AMPAR Trafficking During In Vitro Classical Conditioning. <i>Journal of Neurophysiology</i> , 2007, 98, 1278-1286.	0.9	30
21	Central Trigeminal and Posterior Eighth Nerve Projections in the Turtle <i>Chrysemys picta</i> Studied in vitro. <i>Brain, Behavior and Evolution</i> , 1998, 51, 183-201.	0.9	29
22	In vitro eye-blink reflex model: role of excitatory amino acids and labeling of network activity with sulforhodamine. <i>Experimental Brain Research</i> , 1993, 97, 239-53.	0.7	28
23	Thalamocortical Connections in the Pond Turtle <i>Pseudemys scripta elegans</i> . <i>Brain, Behavior and Evolution</i> , 2005, 65, 278-292.	0.9	28
24	Immunocytochemical localization of glutamate receptor subunits in the brain stem and cerebellum of the turtle <i>Chrysemys picta</i> . <i>Journal of Comparative Neurology</i> , 2000, 427, 455-468.	0.9	27
25	MeCP2 regulates Tet1-catalyzed demethylation, CTCF binding, and learning-dependent alternative splicing of the BDNF gene in Turtle. <i>ELife</i> , 2017, 6, .	2.8	23
26	Evidence for GABAergic interneurons in the red nucleus of the painted turtle. <i>Synapse</i> , 1992, 11, 197-213.	0.6	22
27	Regulation of <i>BDNF</i> chromatin status and promoter accessibility in a neural correlate of associative learning. <i>Epigenetics</i> , 2015, 10, 981-993.	1.3	22
28	Targeting of GLUR4-containing AMPA receptors to synaptic sites during in vitro classical conditioning. <i>Neuroscience</i> , 2004, 128, 219-228.	1.1	21
29	In vitro classical conditioning of the turtle eyeblink reflex: approaching cellular mechanisms of acquisition. <i>Cerebellum</i> , 2003, 2, 55-61.	1.4	20
30	Regulation of <i>AMPA</i> trafficking in synaptic plasticity by <i>BDNF</i> and the impact of neurodegenerative disease. <i>Journal of Neuroscience Research</i> , 2022, 100, 979-991.	1.3	20
31	An in vitro preparation for studying motor pattern generation in the cerebellorubrospinal circuit of the turtle. <i>Neuroscience Letters</i> , 1989, 97, 123-128.	1.0	19
32	Effects of infant versus adult pyramidal tract lesions on locomotor behavior in hamsters. <i>Experimental Neurology</i> , 1991, 111, 98-105.	2.0	18
33	MAPK Signaling Pathways Mediate AMPA Receptor Trafficking in an In Vitro Model of Classical Conditioning. <i>Journal of Neurophysiology</i> , 2007, 97, 2067-2074.	0.9	17
34	Distribution of anterogradely labeled trigeminal and auditory nerve boutons on abducens motor neurons in turtles: Implications for in vitro classical conditioning. <i>Journal of Comparative Neurology</i> , 2004, 471, 144-152.	0.9	16
35	Sequential Delivery of Synaptic GluA1- and GluA4-containing AMPA Receptors (AMPA) by SAP97 Anchored Protein Complexes in Classical Conditioning. <i>Journal of Biological Chemistry</i> , 2014, 289, 10540-10550.	1.6	16
36	Abducens conditioning in in vitro turtle brain stem without cerebellum requires NMDA receptors and involves upregulation of GluR4-containing AMPA receptors. <i>Experimental Brain Research</i> , 2003, 151, 405-410.	0.7	15

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37	Transsynaptic EphB/Ephrin-B Signaling Regulates Growth of Presynaptic Boutons Required for Classical Conditioning. <i>Journal of Neuroscience</i> , 2011, 31, 8441-8449.	1.7	14
38	Two-stage AMPA receptor trafficking in classical conditioning and selective role for glutamate receptor subunit 4 (tGluA4) flop splice variant. <i>Journal of Neurophysiology</i> , 2012, 108, 101-111.	0.9	14
39	Comparative Genomics of the BDNF Gene, Non-Canonical Modes of Transcriptional Regulation, and Neurological Disease. <i>Molecular Neurobiology</i> , 2021, 58, 2851-2861.	1.9	14
40	Anatomy of the turtle cerebellorubral circuit studied in vitro using neurobiotin and biocytin. <i>Neuroscience Letters</i> , 1993, 149, 59-62.	1.0	13
41	Identification of a Functionally Distinct Truncated BDNF mRNA Splice Variant and Protein in <i>Trachemys scripta elegans</i> . <i>PLoS ONE</i> , 2013, 8, e67141.	1.1	13
42	Pathways Controlling Trigeminal and Auditory Nerve-Evoked Abducens Eyeblink Reflexes in Pond Turtles. <i>Brain, Behavior and Evolution</i> , 2004, 64, 207-222.	0.9	12
43	Role for calbindin-D28K in in vitro classical conditioning of abducens nerve responses in turtles. <i>Synapse</i> , 2003, 49, 106-115.	0.6	11
44	Modeling Signal Transduction in Classical Conditioning with Network Motifs. <i>Frontiers in Molecular Neuroscience</i> , 2011, 4, 9.	1.4	11
45	Primetime for Learning Genes. <i>Genes</i> , 2017, 8, 69.	1.0	10
46	Comparison of cortically and subcortically controlled motor systems. II. distribution of anterogradely labeled terminal boutons on intracellularly filled rubrospinal neurons in rat and turtle. <i>Journal of Comparative Neurology</i> , 2000, 416, 101-111.	0.9	9
47	Synaptic localization of GluR4-containing AMPARs and Arc during acquisition, extinction, and reacquisition of in vitro classical conditioning. <i>Neurobiology of Learning and Memory</i> , 2008, 90, 301-308.	1.0	9
48	Distribution of hypoglossal motor neurons innervating the prehensile tongue of the African pig-nosed frog, <i>Hemisis marmoratum</i> . <i>Neuroscience Letters</i> , 1998, 244, 5-8.	1.0	8
49	Cold block of in vitro eyeblink reflexes: evidence supporting the use of hypothermia as an anesthetic in pond turtles. <i>Journal of Experimental Biology</i> , 2017, 220, 4370-4373.	0.8	8
50	Coincidence detection in a neural correlate of classical conditioning is initiated by bidirectional 3-phosphoinositide-dependent kinase-1 signalling and modulated by adenosine receptors. <i>Journal of Physiology</i> , 2015, 593, 1581-1595.	1.3	7
51	Subunit-specific synaptic delivery of AMPA receptors by auxiliary chaperone proteins TARP ³⁸ and GSG1L in classical conditioning. <i>Neuroscience Letters</i> , 2017, 645, 53-59.	1.0	7
52	Characterization of a novel reptilian tolloid-like gene in the pond turtle, <i>Pseudemys scripta elegans</i> . <i>Brain Research</i> , 2007, 1154, 22-30.	1.1	5
53	Genomic Organization and Identification of Promoter Regions for the BDNF Gene in the Pond Turtle <i>Trachemys scripta elegans</i> . <i>Journal of Molecular Neuroscience</i> , 2014, 53, 626-636.	1.1	5
54	Intrinsic and synaptic properties of turtle red nucleus neurons in vitro. <i>Brain Research</i> , 1993, 608, 349-352.	1.1	4

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55	Comparison of cortically and subcortically controlled motor systems: I. Morphology of intracellularly filled rubrospinal neurons in rat and turtle. , 1998, 396, 521-530.		4
56	Activation of mammalian Tolloid-like 1 expression by hypoxia in human neuroblastoma SH-SY5Y cells. Biochemical and Biophysical Research Communications, 2009, 389, 338-342.	1.0	4
57	Positive Feedback in the Cerebro-Cerebellar Recurrent Network May Explain Rotation of Population Vectors. , 1992, , 371-376.		4
58	Cloning and Characterization of Glutamate Receptor Subunit 4 (GLUA4) and its Alternatively Spliced Isoforms in Turtle Brain. Journal of Molecular Neuroscience, 2011, 44, 159-172.	1.1	3
59	Screening Target Specificity of siRNAs by Rapid Amplification of cDNA Ends (RACE) for Non-Sequenced Species. Journal of Molecular Neuroscience, 2011, 44, 68-75.	1.1	3
60	Characterization and Transcriptional Activation of the Immediate Early Gene ARC During a Neural Correlate of Classical Conditioning. Journal of Molecular Neuroscience, 2019, 69, 380-390.	1.1	3
61	Learning-Dependent Transcriptional Regulation of BDNF by its Truncated Protein Isoform in Turtle. Journal of Molecular Neuroscience, 2021, 71, 999-1014.	1.1	3
62	The Neuroscience Community Has a Role in Environmental Conservation. ENeuro, 2021, 8, ENEURO.0454-20.2021.	0.9	3
63	Evidence for a photosensitive region in the caudal mesencephalon of the turtle brain. Experimental Brain Research, 1998, 119, 453-459.	0.7	1
64	Distribution of facial motor neurons in the pond turtle Pseudemys scripta elegans. Neuroscience Letters, 2005, 373, 134-137.	1.0	1
65	In vitro classical conditioning of the turtle eyeblink reflex: approaching cellular mechanisms of acquisition. Cerebellum, 2003, 2, 55-61.	1.4	1