Joyce Keifer

List of Publications by Year
in descending order

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	Regulation of <scp>AMPAR</scp> trafficking in synaptic plasticity by <scp>BDNF</scp> and the impact of neurodegenerative disease. Journal of Neuroscience Research, 2022, 100, 979-991.	1.3	20
2	Learning-Dependent Transcriptional Regulation of BDNF by its Truncated Protein Isoform in Turtle. Journal of Molecular Neuroscience, 2021, 71, 999-1014.	1.1	3
3	Comparative Genomics of the BDNF Gene, Non-Canonical Modes of Transcriptional Regulation, and Neurological Disease. Molecular Neurobiology, 2021, 58, 2851-2861.	1.9	14
4	The Neuroscience Community Has a Role in Environmental Conservation. ENeuro, 2021, 8, ENEURO.0454-20.2021.	0.9	3
5	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
6	Subunit-specific synaptic delivery of AMPA receptors by auxiliary chaperone proteins TARPÎ³8 and GSG1L in classical conditioning. Neuroscience Letters, 2017, 645, 53-59.	1.0	7
7	Cold block of in vitro eyeblink reflexes: evidence supporting the use of hypothermia as an anesthetic in pond turtles. Journal of Experimental Biology, 2017, 220, 4370-4373.	0.8	8
8	Primetime for Learning Genes. Genes, 2017, 8, 69.	1.0	10
9	MeCP2 regulates Tet1-catalyzed demethylation, CTCF binding, and learning-dependent alternative splicing of the BDNF gene in Turtle. ELife, 2017, 6, .	2.8	23
10	Putting the â€œBiologyâ€•Back into â€œNeurobiologyâ€: The Strength of Diversity in Animal Model Systems for Neuroscience Research. Frontiers in Systems Neuroscience, 2016, 10, 69.	1.2	77
11	Coincidence detection in a neural correlate of classical conditioning is initiated by bidirectional 3â€•phosphoinositideâ€•dependent kinaseâ€•1 signalling and modulated by adenosine receptors. Journal of Physiology, 2015, 593, 1581-1595.	1.3	7
12	Regulation of<i>BDNF</i>chromatin status and promoter accessibility in a neural correlate of associative learning. Epigenetics, 2015, 10, 981-993.	1.3	22
13	A MicroRNA-BDNF Negative Feedback Signaling Loop in Brain: Implications for Alzheimerâ€™s Disease. MicroRNA (Shariqah, United Arab Emirates), 2015, 4, 101-108.	0.6	32
14	Sequential Delivery of Synaptic GluA1- and GluA4-containing AMPA Receptors (AMPARs) by SAP97 Anchored Protein Complexes in Classical Conditioning. Journal of Biological Chemistry, 2014, 289, 10540-10550.	1.6	16
15	Genomic Organization and Identification of Promoter Regions for the BDNF Gene in the Pond Turtle Trachemys scripta elegans. Journal of Molecular Neuroscience, 2014, 53, 626-636.	1.1	5
16	Identification of a Functionally Distinct Truncated BDNF mRNA Splice Variant and Protein in Trachemys scripta elegans. PLoS ONE, 2013, 8, e67141.	1.1	13
17	Two-stage AMPA receptor trafficking in classical conditioning and selective role for glutamate receptor subunit 4 (tGluA4) flop splice variant. Journal of Neurophysiology, 2012, 108, 101-111.	0.9	14
18	Modeling Signal Transduction in Classical Conditioning with Network Motifs. Frontiers in Molecular Neuroscience, 2011, 4, 9.	1.4	11

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19	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
20	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
21	Transsynaptic EphB/Ephrin-B Signaling Regulates Growth of Presynaptic Boutons Required for Classical Conditioning. Journal of Neuroscience, 2011, 31, 8441-8449.	1.7	14
22	AMPA receptor trafficking and learning. European Journal of Neuroscience, 2010, 32, 269-277.	1.2	79
23	Oligomeric Amyloid-Î² 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
24	Cleavage of proBDNF to BDNF by a Tolloid-Like Metalloproteinase Is Required for Acquisition of<i>In Vitro</i>Eyeblink Classical Conditioning. Journal of Neuroscience, 2009, 29, 14956-14964.	1.7	37
25	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
26	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
27	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
28	Synaptic localization of GluR4-containing AMPARs and Arc during acquisition, extinction, and reacquisition of in vitro classical conditioning. Neurobiology of Learning and Memory, 2008, 90, 301-308.	1.0	9
29	MAPK Signaling Pathways Mediate AMPA Receptor Trafficking in an In Vitro Model of Classical Conditioning. Journal of Neurophysiology, 2007, 97, 2067-2074.	0.9	17
30	Conversion of Silent Synapses Into the Active Pool by Selective GluR1-3 and GluR4 AMPAR Trafficking During In Vitro Classical Conditioning. Journal of Neurophysiology, 2007, 98, 1278-1286.	0.9	30
31	Characterization of a novel reptilian tolloid-like gene in the pond turtle, Pseudemys scripta elegans. Brain Research, 2007, 1154, 22-30.	1.1	5
32	Immediate-Early Gene-Encoded Protein Arc Is Associated With Synaptic Delivery of GluR4-containing AMPA Receptors During In Vitro Classical Conditioning. Journal of Neurophysiology, 2006, 95, 215-224.	0.9	31
33	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
34	Thalamocortical Connections in the Pond Turtle <i>Pseudemys scripta elegans</i>. Brain, Behavior and Evolution, 2005, 65, 278-292.	0.9	28
35	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
36	Distribution of facial motor neurons in the pond turtle Pseudemys scripta elegans. Neuroscience Letters, 2005, 373, 134-137.	1.0	1

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37	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
38	Pathways Controlling Trigeminal and Auditory Nerve-Evoked Abducens Eyeblink Reflexes in Pond Turtles. Brain, Behavior and Evolution, 2004, 64, 207-222.	0.9	12
39	Distribution of anterogradely labeled trigeminal and auditory nerve boutons on abducens motor neurons in turtles: Implications for in vitro classical conditioning. Journal of Comparative Neurology, 2004, 471, 144-152.	0.9	16
40	Targeting of GLUR4-containing AMPA receptors to synaptic sites during in vitro classical conditioning. Neuroscience, 2004, 128, 219-228.	1.1	21
41	In vitro classical conditioning of the turtle eyeblink reflex: approaching cellular mechanisms of acquisition. Cerebellum, 2003, 2, 55-61.	1.4	20
42	Abducens conditioning in in vitro turtle brain stem without cerebellum requires NMDA receptors and involves upregulation of GluR4-containing AMPA receptors. Experimental Brain Research, 2003, 151, 405-410.	0.7	15
43	Role for calbindin-D28K in in vitro classical conditioning of abducens nerve responses in turtles. Synapse, 2003, 49, 106-115.	0.6	11
44	In vitro classical conditioning of the turtle eyeblink reflex: approaching cellular mechanisms of acquisition. Cerebellum, 2003, 2, 55-61.	1.4	1
45	<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
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. Journal of Comparative Neurology, 2000, 416, 101-111.	0.9	9
47	Immunocytochemical localization of glutamate receptor subunits in the brain stem and cerebellum of the turtleChrysemys picta. Journal of Comparative Neurology, 2000, 427, 455-468.	0.9	27
48	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
49	Comparison of cortically and subcortically controlled motor systems: I. Morphology of intracellularly filled rubrospinal neurons in rat and turtle. , 1998, 396, 521-530.		4
50	Evidence for a photosensitive region in the caudal mesencephalon of the turtle brain. Experimental Brain Research, 1998, 119, 453-459.	0.7	1
51	Distribution of hypoglossal motor neurons innervating the prehensile tongue of the African pig-nosed frog, Hemisus marmoratum. Neuroscience Letters, 1998, 244, 5-8.	1.0	8
52	Central Trigeminal and Posterior Eighth Nerve Projections in the Turtle <i>Chrysemys picta</i> Studied in vitro. Brain, Behavior and Evolution, 1998, 51, 183-201.	0.9	29
53	The Cerebellum and Red Nucleus Are Not Required forIn VitroClassical Conditioning of the Turtle Abducens Nerve Response. Journal of Neuroscience, 1997, 17, 9736-9745.	1.7	32
54	Organization of face representation in the cingulate cortex of the rhesus monkey. NeuroReport, 1996, 7, 1343-1348.	0.6	49

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55	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
56	In vitro eye-blink reflex model: role of excitatory amino acids and labeling of network activity with sulforhodamine. Experimental Brain Research, 1993, 97, 239-53.	0.7	28
57	Intrinsic and synaptic properties of turtle red nucleus neurons in vitro. Brain Research, 1993, 608, 349-352.	1.1	4
58	Distributed motor commands in the limb premotor network. Trends in Neurosciences, 1993, 16, 27-33.	4.2	189
59	Anatomy of the turtle cerebellorubral circuit studied in vitro using neurobiotin and biocytin. Neuroscience Letters, 1993, 149, 59-62.	1.0	13
60	Evidence for GABAergic interneurons in the red nucleus of the painted turtle. Synapse, 1992, 11, 197-213.	0.6	22
61	Positive Feedback in the Cerebro-Cerebellar Recurrent Network May Explain Rotation of Population Vectors. , 1992, , 371-376.		4
62	Effects of infant versus adult pyramidal tract lesions on locomotor behavior in hamsters. Experimental Neurology, 1991, 111, 98-105.	2.0	18
63	An in vitro preparation for studying motor pattern generation in the cerebellorubrospinal circuit of the turtle. Neuroscience Letters, 1989, 97, 123-128.	1.0	19
64	In vitro motor program for the rostral scratch reflex generated by the turtle spinal cord. Brain Research, 1983, 266, 148-151.	1.1	40
65	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