Yiwen Zheng

List of Publications by Year
in descending order

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95 papers	2,416 citations	201575 27 h-index	265120 42 g-index
96 all docs	96 docs citations	96 times ranked	1538 citing authors

#	Article	IF	Citations
1	Tinnitus and tinnitus disorder: Theoretical and operational definitions (an international) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74	0.9	150
2	From ear to uncertainty: vestibular contributions to cognitive function. Frontiers in Integrative Neuroscience, 2013, 7, 84.	1.0	99
3	Does vestibular damage cause cognitive dysfunction in humans?. Journal of Vestibular Research: Equilibrium and Orientation, 2005, 15, 1-9.	0.8	99
4	Evidence that spatial memory deficits following bilateral vestibular deafferentation in rats are probably permanent. Neurobiology of Learning and Memory, 2010, 94, 402-413.	1.0	91
5	The effects of vestibular lesions on hippocampal function in rats. Progress in Neurobiology, 2005, 75, 391-405.	2.8	85
6	Move it or lose itâ€”Is stimulation of the vestibular system necessary for normal spatial memory?. Hippocampus, 2010, 20, 36-43.	0.9	81
7	Impairment and recovery on a food foraging task following unilateral vestibular deafferentation in rats. Hippocampus, 2006, 16, 368-378.	0.9	71
8	Longâ€term deficits on a foraging task after bilateral vestibular deafferentation in rats. Hippocampus, 2009, 19, 480-486.	0.9	62
9	Damage to the vestibular inner ear causes long-term changes in neuronal nitric oxide synthase expression in the rat hippocampus. Neuroscience, 2001, 105, 1-5.	1.1	51
10	Long-term changes in hippocampal n-methyl-d-aspartate receptor subunits following unilateral vestibular damage in rat. Neuroscience, 2003, 117, 965-970.	1.1	51
11	Locomotor and exploratory behavior in the rat following bilateral vestibular deafferentation.. Behavioral Neuroscience, 2008, 122, 448-459.	0.6	49
12	Bilateral vestibular deafferentation impairs performance in a spatial forced alternation task in rats. Hippocampus, 2007, 17, 253-256.	0.9	48
13	Cannabinoid CB₂receptor expression in the rat brainstem cochlear and vestibular nuclei. Acta Oto-Laryngologica, 2008, 128, 961-967.	0.3	48
14	Modulation of Memory by Vestibular Lesions and Galvanic Vestibular Stimulation. Frontiers in Neurology, 2010, 1, 141.	1.1	47
15	Cannabinoid receptor down-regulation in the ventral cochlear nucleus in a salicylate model of tinnitus. Hearing Research, 2007, 228, 105-111.	0.9	44
16	Does vestibular damage cause cognitive dysfunction in humans?. Journal of Vestibular Research: Equilibrium and Orientation, 2005, 15, 1-9.	0.8	42
17	Unilateral inner ear damage results in lasting changes in hippocampal CA1 field potentials in vitro. Hippocampus, 2003, 13, 873-878.	0.9	38
18	Bilateral labyrinthectomy causes long-term deficit in object recognition in rat. NeuroReport, 2004, 15, 1913-1916.	0.6	38

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19	Role of brain nitric oxide in (Â±)3,4-methylenedioxymethamphetamine (MDMA)-induced neurotoxicity in rats. Brain Research, 1998, 795, 257-263.	1.1	36
20	The effects of acoustic trauma that can cause tinnitus on spatial performance in rats. Neuroscience, 2011, 186, 48-56.	1.1	34
21	The effects of chronic tinnitus caused by acoustic trauma on social behaviour and anxiety in rats. Neuroscience, 2011, 193, 143-153.	1.1	34
22	A doseâ€“response analysis of the effects of L-baclofen on chronic tinnitus caused by acoustic trauma in rats. Neuropharmacology, 2012, 62, 940-946.	2.0	34
23	The D2 dopamine receptor and locomotor hyperactivity following bilateral vestibular deafferentation in the rat. Behavioural Brain Research, 2012, 227, 150-158.	1.2	32
24	Neuronal nitric oxide synthase expression in the cochlear nucleus in a salicylate model of tinnitus. Brain Research, 2006, 1123, 201-206.	1.1	30
25	The effects of the synthetic cannabinoid receptor agonists, WIN55,212-2 and CP55,940, on salicylate-induced tinnitus in rats. Hearing Research, 2010, 268, 145-150.	0.9	30
26	Acoustic trauma that can cause tinnitus impairs impulsive control but not performance accuracy in the 5-choice serial reaction time task in rats. Neuroscience, 2011, 180, 75-84.	1.1	30
27	The modulation of hippocampal theta rhythm by the vestibular system. Journal of Neurophysiology, 2018, 119, 548-562.	0.9	30
28	Evidence that Memantine Reduces Chronic Tinnitus Caused by Acoustic Trauma in Rats. Frontiers in Neurology, 2012, 3, 127.	1.1	29
29	Immunohistochemical characterisation and localisation of cannabinoid CB1 receptor protein in the rat vestibular nucleus complex and the effects of unilateral vestibular deafferentation. Brain Research, 2004, 1021, 264-271.	1.1	28
30	Increased BrdU incorporation reflecting DNA repair, neuronal de-differentiation or possible neurogenesis in the adult cochlear nucleus following bilateral cochlear lesions in the rat. Experimental Brain Research, 2011, 210, 477-487.	0.7	28
31	Brain Metabolic Changes in Rats following Acoustic Trauma. Frontiers in Neuroscience, 2017, 11, 148.	1.4	28
32	Cytosolic glucocorticoid receptor expression in the rat vestibular nucleus and hippocampus following unilateral vestibular deafferentation. Experimental Brain Research, 2005, 162, 309-314.	0.7	27
33	Cannabinoid CB1 Receptor Agonists Do Not Decrease, but may Increase Acoustic Trauma-Induced Tinnitus in Rats. Frontiers in Neurology, 2015, 6, 60.	1.1	27
34	Carbamazepine reduces the behavioural manifestations of tinnitus following salicylate treatment in rats. Acta Oto-Laryngologica, 2008, 128, 48-52.	0.3	25
35	The Effects of Bilateral Vestibular Loss on Hippocampal Volume, Neuronal Number, and Cell Proliferation in Rats. Frontiers in Neurology, 2012, 3, 20.	1.1	24
36	Septal elicitation of hippocampal theta rhythm did not repair cognitive and emotional deficits resulting from vestibular lesions. Hippocampus, 2012, 22, 1176-1187.	0.9	24

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37	Bilateral vestibular deafferentation causes deficits in a 5-choice serial reaction time task in rats. Behavioural Brain Research, 2009, 203, 113-117.	1.2	23
38	Monoamine transporter and enzyme expression in the medial temporal lobe and frontal cortex following chronic bilateral vestibular loss. Neuroscience Letters, 2008, 437, 107-110.	1.0	22
39	NMDA and AMPA receptor subunit protein expression in the rat vestibular nucleus following unilateral labyrinthectomy. NeuroReport, 2002, 13, 1541-1545.	0.6	21
40	Hippocampal and striatal M₁â€muscarinic acetylcholine receptors are downâ€regulated following bilateral vestibular loss in rats. Hippocampus, 2016, 26, 1509-1514.	0.9	21
41	Nitric oxide synthase and arginase expression in the vestibular nucleus and hippocampus following unilateral vestibular deafferentation in the rat. Brain Research, 2003, 966, 19-25.	1.1	20
42	Using Idiothetic Cues to Swim a Path With a Fixed Trajectory and Distance: Necessary Involvement of the Hippocampus, but Not the Retrosplenial Cortex.. Behavioral Neuroscience, 2003, 117, 1363-1377.	0.6	20
43	The CB1 receptor agonist, WIN 55,212-2, dose-dependently disrupts object recognition memory in adult rats. Neuroscience Letters, 2009, 464, 71-73.	1.0	20
44	Effects of bilateral vestibular deafferentation on anxiety-related behaviours in Wistar rats. Behavioural Brain Research, 2008, 193, 55-62.	1.2	19
45	Glutamate Receptor Subunit and Calmodulin Kinase II Expression, with and without T Maze Training, in the Rat Hippocampus following Bilateral Vestibular Deafferentation. PLoS ONE, 2013, 8, e54527.	1.1	19
46	Effects of early and late treatment with l-baclofen on the development and maintenance of tinnitus caused by acoustic trauma in rats. Neuroscience, 2014, 258, 410-421.	1.1	19
47	Ginkgo biloba extracts for tinnitus: More hype than hope?. Journal of Ethnopharmacology, 2005, 100, 95-99.	2.0	18
48	Effects of the Putative Cognitive-Enhancing Ampakine, CX717, on Attention and Object Recognition Memory. Current Alzheimer Research, 2011, 8, 876-882.	0.7	18
49	Performance in anxiety and spatial memory tests following bilateral vestibular loss in the rat and effects of anxiolytic and anxiogenic drugs. Behavioural Brain Research, 2012, 235, 21-29.	1.2	18
50	Cannabinoids, cannabinoid receptors and tinnitus. Hearing Research, 2016, 332, 210-216.	0.9	18
51	Effects of bilateral vestibular deafferentation in rat on hippocampal theta response to somatosensory stimulation, acetylcholine release, and cholinergic neurons in the pedunculopontine tegmental nucleus. Brain Structure and Function, 2017, 222, 3319-3332.	1.2	18
52	Hippocampal synaptic transmission and LTP in vivo are intact following bilateral vestibular deafferentation in the rat. Hippocampus, 2010, 20, 461-468.	0.9	17
53	Balance before Reason in Rats and Humans. Annals of the New York Academy of Sciences, 2009, 1164, 127-133.	1.8	17
54	Galvanic vestibular stimulation impairs cell proliferation and neurogenesis in the rat hippocampus but not spatial memory. Hippocampus, 2014, 24, 541-552.	0.9	17

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55	Noradrenaline and serotonin levels in the guinea pig hippocampus following unilateral vestibular deafferentation.. Brain Research, 1999, 836, 199-202.	1.1	16
56	Ethovisionâ„¢ analysis of open field behaviour in rats following bilateral vestibular loss. Journal of Vestibular Research: Equilibrium and Orientation, 2017, 27, 89-101.	0.8	16
57	The Effects of Aminorex and Related Compounds on Brain Monoamines and Metabolites in CBA Mice. Journal of Pharmacy and Pharmacology, 2011, 49, 89-96.	1.2	15
58	A multivariate statistical and data mining analysis of spatial memory-related behaviour following bilateral vestibular loss in the rat. Behavioural Brain Research, 2013, 246, 15-23.	1.2	15
59	The Effects of Complete Vestibular Deafferentation on Spatial Memory and the Hippocampus in the Rat: The Dunedin Experience. Multisensory Research, 2015, 28, 461-485.	0.6	15
60	Basal dendritic length is reduced in the rat hippocampus following bilateral vestibular deafferentation. Neurobiology of Learning and Memory, 2016, 131, 56-60.	1.0	15
61	Cannabinoid drugs: will they relieve or exacerbate tinnitus?. Current Opinion in Neurology, 2019, 32, 131-136.	1.8	15
62	Synaptic protein expression in the medial temporal lobe and frontal cortex following chronic bilateral vestibular loss. Hippocampus, 2008, 18, 440-444.	0.9	14
63	Anatomy and surgical approach of ratâ€™s vestibular sensors and nerves. Journal of Neuroscience Methods, 2016, 270, 1-8.	1.3	13
64	The effects of electrical stimulation of the peripheral vestibular system on neurochemical release in the rat striatum. PLoS ONE, 2018, 13, e0205869.	1.1	13
65	Single neuron activity and c-Fos expression in the rat striatum following electrical stimulation of the peripheral vestibular system. Physiological Reports, 2018, 6, e13791.	0.7	13
66	Differences in NOS protein expression and activity in the rat vestibular nucleus following unilateral labyrinthectomy. Molecular Brain Research, 2001, 88, 166-170.	2.5	12
67	The effects of l-NAME on vestibular compensation and NOS activity in the vestibular nucleus, cerebellum and cortex of the guinea pig. Brain Research, 2000, 879, 148-155.	1.1	11
68	Revisiting Baclofen for the Treatment of Severe Chronic Tinnitus. Frontiers in Neurology, 2012, 3, 34.	1.1	11
69	Anxietyâ€Related Behavior and Biogenic Amine Pathways in the Rat following Bilateral Vestibular Lesions. Annals of the New York Academy of Sciences, 2009, 1164, 134-139.	1.8	10
70	The effects of the Chinese herbal medicine EMF01 on salicylate-induced tinnitus in rats. Journal of Ethnopharmacology, 2010, 128, 545-548.	2.0	10
71	Glutamic acid decarboxylase levels in the cochlear nucleus of rats with acoustic trauma-induced chronic tinnitus. Neuroscience Letters, 2015, 586, 60-64.	1.0	10
72	Subregional analysis of amino acid levels in the guinea pig hippocampus following unilateral vestibular deafferentation. Journal of Vestibular Research: Equilibrium and Orientation, 1999, 9, 335-345.	0.8	10

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73	Changes in NOS protein expression and activity in the rat hippocampus, entorhinal and postrhinal cortices after unilateral electrolytic perirhinal cortex lesions. Hippocampus, 2003, 13, 561-571.	0.9	9
74	Cell proliferation and survival in the vestibular nucleus following bilateral vestibular deafferentation in the adult rat. Neuroscience Letters, 2010, 468, 85-88.	1.0	8
75	Temporal bone surgery causes reduced nitric oxide synthase activity in the ipsilateral guinea pig hippocampus. Neuroscience Letters, 1999, 259, 130-132.	1.0	7
76	Principal component analysis suggests subtle changes in glutamate receptor subunit expression in the rat hippocampus following bilateral vestibular deafferentation. Neuroscience Letters, 2013, 548, 265-268.	1.0	7
77	The Effects of Acute Stress-Induced Sleep Disturbance on Acoustic Trauma-Induced Tinnitus in Rats. BioMed Research International, 2014, 2014, 1-8.	0.9	7
78	The anti-inflammatory selective melanocortin receptor subtype 4 agonist, RO27-3225, fails to prevent acoustic trauma-induced tinnitus in rats. European Journal of Pharmacology, 2015, 761, 206-210.	1.7	7
79	Stratification of hippocampal electrophysiological activation evoked by selective electrical stimulation of different angular and linear acceleration sensors in the rat peripheral vestibular system. Hearing Research, 2021, 403, 108173.	0.9	7
80	Cell proliferation in the cochlear nucleus following acoustic trauma in rat. Neuroscience, 2015, 303, 524-534.	1.1	6
81	Cannabinoid CB2 receptor immunolabelling in the healthy brainâ€”still a live possibility. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 301-301.	1.4	5
82	Vestibular-related eye movements in the rat following selective electrical stimulation of the vestibular sensors. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2018, 204, 835-847.	0.7	5
83	The effects of selective electrical stimulation of the rat cochlea on hippocampal field potentials. Hearing Research, 2020, 395, 108023.	0.9	5
84	Applications of Multivariate Statistical and Data Mining Analyses to the Search for Biomarkers of Sensorineural Hearing Loss, Tinnitus, and Vestibular Dysfunction. Frontiers in Neurology, 2021, 12, 627294.	1.1	5
85	Metabolic changes in the brain and blood of rats following acoustic trauma, tinnitus and hyperacusis. Progress in Brain Research, 2021, 262, 399-430.	0.9	5
86	Subregional variation in the effects of unilateral vestibular deafferentation on nitric oxide synthase activity and nitrite formation in the guinea pig hippocampus. Neuroscience Research Communications, 2000, 27, 109-116.	0.2	4
87	Effects Of Chronic Inhibition Of Nitric Oxide Synthase In The Genetically Hypertensive Rat. Clinical and Experimental Pharmacology and Physiology, 2000, 27, 647-649.	0.9	4
88	Adrenalectomy-induced cell death in the dentate gyrus: Further characterisation using TUNEL and effects of theGinkgo biloba extract, EGb 761, and ginkgolide B. Hippocampus, 2003, 13, 212-225.	0.9	4
89	Cannabinoid CB1 receptor expression and affinity in the rat hippocampus following bilateral vestibular deafferentation. Neuroscience Letters, 2011, 487, 330-334.	1.0	4
90	Effects of acute altered gravity during parabolic flight and/or vestibular loss on cell proliferation in the rat dentate gyrus. Neuroscience Letters, 2017, 654, 120-124.	1.0	4

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91	Vestibular Modulation of Long-Term Potentiation and NMDA Receptor Expression in the Hippocampus. Frontiers in Molecular Neuroscience, 2020, 13, 140.	1.4	4
92	Emerging Topics in the Behavioral Neuroscience of Tinnitus. Current Topics in Behavioral Neurosciences, 2021, 51, 461-483.	0.8	2
93	Pharmacological Evaluation of Drugs in Animal Models of Tinnitus. Current Topics in Behavioral Neurosciences, 2020, 51, 51-82.	0.8	2
94	The effects of the D2 dopamine receptor antagonist, eticlopride, on attention following bilateral vestibular deafferentation in the rat. Neuroscience Letters, 2012, 506, 193-197.	1.0	1
95	Noisy Galvanic Vestibular Stimulation Combined With a Multisensory Balance Programâ€¯in Older Adults With Moderate to High Fall Risk: Protocol for a Feasibility Study for a Randomized Controlled Trial. JMIR Research Protocols, 2021, 10, e32085.	0.5	1