

# Zahra Ghasemi

## List of Publications by Year in descending order

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Version: 2024-02-01

77  
papers

1,219  
citations

394421

19  
h-index

454955

30  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1396  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alpha adrenergic receptors have role in the inhibitory effect of electrical low frequency stimulation on epileptiform activity in rats. <i>International Journal of Neuroscience</i> , 2023, 133, 496-504.	1.6	4
2	Modeling plasticity during epileptogenesis by long short term memory neural networks. <i>Cognitive Neurodynamics</i> , 2022, 16, 401-409.	4.0	1
3	Effect of ramosetron, a 5-HT <sub>3</sub> receptor antagonist on the severity of seizures and memory impairment in electrical amygdala kindled rats. <i>Journal of Physiological Sciences</i> , 2022, 72, 1.	2.1	4
4	Disrupted connectivity in the olfactory bulb-entorhinal cortex-dorsal hippocampus circuit is associated with recognition memory deficit in Alzheimer's disease model. <i>Scientific Reports</i> , 2022, 12, 4394.	3.3	8
5	Proteomic profiling of the rat hippocampus from the kindling and pilocarpine models of epilepsy: potential targets in calcium regulatory network. <i>Scientific Reports</i> , 2021, 11, 8252.	3.3	15
6	Pulsed high magnetic field-induced reversible blood-brain barrier permeability to enhance brain-targeted drug delivery. <i>Electromagnetic Biology and Medicine</i> , 2021, 40, 361-374.	1.4	11
7	Allergic rhinitis impairs working memory in association with drop of hippocampal Prefrontal coupling. <i>Brain Research</i> , 2021, 1758, 147368.	2.2	16
8	Rhythmic air-puff into nasal cavity modulates activity across multiple brain areas: A non-invasive brain stimulation method to reduce ventilator-induced memory impairment. <i>Respiratory Physiology and Neurobiology</i> , 2021, 287, 103627.	1.6	9
9	Low-Frequency Stimulation Prevents Kindling-Induced Impairment through the Activation of the Endocannabinoid System. <i>BioMed Research International</i> , 2021, 2021, 1-9.	1.9	0
10	Electromagnetic field protects against cognitive and synaptic plasticity impairment induced by electrical kindling in rats. <i>Brain Research Bulletin</i> , 2021, 171, 75-83.	3.0	13
11	The role of $\alpha_1$ adrenergic receptors in mediating the inhibitory effect of electrical brain stimulation on epileptiform activity in rat hippocampal slices. <i>Brain Research</i> , 2021, 1765, 147492.	2.2	2
12	CD38 and MGluR1 as possible signaling molecules involved in epileptogenesis: A potential role for NAD <sup>+</sup> homeostasis. <i>Brain Research</i> , 2021, 1765, 147509.	2.2	5
13	5-HT <sub>7</sub> receptor activation rescues impaired synaptic plasticity in an autistic-like rat model induced by prenatal VPA exposure. <i>Neurobiology of Learning and Memory</i> , 2021, 183, 107462.	1.9	7
14	The role of FOXP3 rs3761548 and rs2294021 polymorphisms in pediatrics acute lymphoblastic leukemia: association with risk and response to therapy. <i>Molecular Biology Reports</i> , 2021, 48, 1139-1150.	2.3	2
15	Deep brain stimulation effects on learning, memory and glutamate and GABAA receptor subunit gene expression in kindled rats. <i>Acta Neurobiologiae Experimentalis</i> , 2021, 81, 43-57.	0.7	4
16	Group I metabotropic glutamate receptors contribute to the antiepileptic effect of electrical stimulation in hippocampal CA1 pyramidal neurons. <i>Epilepsy Research</i> , 2021, 178, 106821.	1.6	3
17	Wireless, miniaturized, semi-implantable electrocorticography microsystem validated in vivo. <i>Scientific Reports</i> , 2020, 10, 21261.	3.3	5
18	Therapeutic Effects of Transplanted Exosomes Containing miR-29b to a Rat Model of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 564.	2.8	83

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19	Long-term potentiation enhancing effect of epileptic insult in the CA1 area is dependent on prior-application of primed-burst stimulation. <i>Experimental Brain Research</i> , 2020, 238, 897-903.	1.5	1
20	The locus coeruleus noradrenergic system gates deficits in visual attention induced by chronic pain. <i>Behavioural Brain Research</i> , 2020, 387, 112600.	2.2	8
21	The role of dopamine D2-like receptors in a "depression-like effect" of deep brain stimulation in kindled rats. <i>Brain Research</i> , 2020, 1738, 146820.	2.2	9
22	Online analysis of local field potentials for seizure detection in freely moving rats. <i>Iranian Journal of Basic Medical Sciences</i> , 2020, 23, 173-177.	1.0	2
23	PuraMatrix hydrogel enhances the expression of motor neuron progenitor marker and improves adhesion and proliferation of motor neuron-like cells. <i>Iranian Journal of Basic Medical Sciences</i> , 2020, 23, 431-438.	1.0	5
24	COVID-19 and Central Nervous System: Entry Routes And Probable Damages. <i>Basic and Clinical Neuroscience</i> , 2020, 11, 217-224.	0.6	13
25	Low-frequency Stimulation Decreases Hyperexcitability Through Adenosine A1 Receptors in the Hippocampus of Kindled Rats. <i>Basic and Clinical Neuroscience</i> , 2020, 11, 333-348.	0.6	0
26	Deep brain stimulation restores the glutamatergic and GABAergic synaptic transmission and plasticity to normal levels in kindled rats. <i>PLoS ONE</i> , 2019, 14, e0224834.	2.5	10
27	Potential Therapeutic Effects of Exosomes Packed With a miR-21-Sponge Construct in a Rat Model of Glioblastoma. <i>Frontiers in Oncology</i> , 2019, 9, 782.	2.8	78
28	PKC inhibitor reversed the suppressive effect of orexin-A on IPSCs of locus coeruleus neurons in naloxone-induced morphine withdrawal. <i>Journal of Neural Transmission</i> , 2019, 126, 1425-1435.	2.8	2
29	Distraction of olfactory bulb-medial prefrontal cortex circuit may induce anxiety-like behavior in allergic rhinitis. <i>PLoS ONE</i> , 2019, 14, e0221978.	2.5	26
30	Low-Frequency Electrical Stimulation Reduces the Impairment in Synaptic Plasticity Following Epileptiform Activity in Rat Hippocampal Slices through $\alpha_1$ , But Not $\alpha_2$ , Adrenergic Receptors. <i>Neuroscience</i> , 2019, 406, 176-185.	2.3	6
31	Ca <sup>2+</sup> Channels Involvement in Low-Frequency Stimulation-Mediated Suppression of Intrinsic Excitability of Hippocampal CA1 Pyramidal Cells in a Rat Amygdala Kindling Model. <i>Neuroscience</i> , 2019, 406, 234-248.	2.3	2
32	Intrahippocampal 5-HT <sub>1A</sub> receptor antagonist inhibits the improving effect of low-frequency stimulation on memory impairment in kindled rats. <i>Brain Research Bulletin</i> , 2019, 148, 109-117.	3.0	13
33	Allergen-induced anxiety-like behavior is associated with disruption of medial prefrontal cortex - amygdala circuit. <i>Scientific Reports</i> , 2019, 9, 19586.	3.3	33
34	Decrease of inhibitory synaptic currents of locus coeruleus neurons via orexin type 1 receptors in the context of naloxone-induced morphine withdrawal. <i>Journal of Physiological Sciences</i> , 2019, 69, 281-293.	2.1	9
35	The inhibitory effect of different patterns of low frequency stimulation on neuronal firing following epileptiform activity in rat hippocampal slices. <i>Brain Research</i> , 2019, 1706, 184-195.	2.2	9
36	Inactivation of sphingosine-1-phosphate receptor 2 (S1PR2) decreases demyelination and enhances remyelination in animal models of multiple sclerosis. <i>Neurobiology of Disease</i> , 2019, 124, 189-201.	4.4	32

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37	Spatial Learning and Memory in Barnes Maze Test and Synaptic Potentiation in Schaffer Collateral-CA1 Synapses of Dorsal Hippocampus in Freely Moving Rats. <i>Basic and Clinical Neuroscience</i> , 2019, 10, 461-468.	0.6	9
38	Characterization of Functional Effects of Two New Active Fractions Isolated From Scorpion Venom on Neuronal Ca <sup>2+</sup> Spikes: A Possible Action on Ca <sup>2+</sup> -Dependent Dependent K <sup>+</sup> Channels. <i>Basic and Clinical Neuroscience</i> , 2019, 10, 49-58.	0.6	0
39	ERK activation is required for the antiepileptogenic effect of low frequency electrical stimulation in kindled rats. <i>Brain Research Bulletin</i> , 2018, 140, 132-139.	3.0	8
40	Effect of Low-Frequency Electrical Stimulation on the High-K <sup>+</sup> -Induced Neuronal Hyperexcitability in Rat Hippocampal Slices. <i>Neuroscience</i> , 2018, 369, 87-96.	2.3	10
41	The role of 5-HT <sub>1A</sub> receptors of hippocampal CA1 region in anticonvulsant effects of low-frequency stimulation in amygdala kindled rats. <i>Physiology and Behavior</i> , 2018, 196, 119-125.	2.1	13
42	Endocannabinoid CB1 receptors are involved in antiepileptogenic effect of low frequency electrical stimulation during perforant path kindling in rats. <i>Epilepsy Research</i> , 2018, 144, 71-81.	1.6	10
43	Orexin A presynaptically decreases inhibitory synaptic transmission in rat locus coeruleus neurons. <i>Neuroscience Letters</i> , 2018, 683, 89-93.	2.1	12
44	Low Frequency Electrical Stimulation Attenuated The Epileptiform Activity-Induced Changes in Action Potential Features in Hippocampal CA1 Pyramidal Neurons. <i>Cell Journal</i> , 2018, 20, 355-360.	0.2	4
45	Low Frequency Stimulation Reverses the Kindling-Induced Impairment of Learning and Memory in the Rat Passive-avoidance Test. <i>Basic and Clinical Neuroscience</i> , 2018, 9, 51-58.	0.6	12
46	Modifications of inhibitory transmission onto pyramidal neurons by postnatal exposure to MK-801: Effects of enriched environment. <i>International Journal of Developmental Neuroscience</i> , 2017, 57, 56-61.	1.6	1
47	The PTZ kindling mouse model of epilepsy exhibits exploratory drive deficits and aberrant activity amongst VTA dopamine neurons in both familiar and novel space. <i>Behavioural Brain Research</i> , 2017, 330, 1-7.	2.2	21
48	Compact, battery-powered, eight-channel micro-electrocorticography (mECoG) system. , 2017, , .		0
49	Low frequency electrical stimulation has time dependent improving effect on kindling-induced impairment in long-term potentiation in rats. <i>Brain Research</i> , 2017, 1668, 20-27.	2.2	10
50	The antiepileptogenic effect of low-frequency stimulation on perforant path kindling involves changes in regulators of G-protein signaling in rat. <i>Journal of the Neurological Sciences</i> , 2017, 375, 450-459.	0.6	14
51	Enhancement of $\mu$ -opioid receptor desensitization by orexin-A in rat locus coeruleus neurons. <i>Neuropeptides</i> , 2017, 63, 28-36.	2.2	21
52	Development of membrane ion channels during neural differentiation from human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 166-172.	2.1	18
53	Effect of low frequency electrical stimulation on seizure-induced short- and long-term impairments in learning and memory in rats. <i>Physiology and Behavior</i> , 2017, 168, 112-121.	2.1	37
54	Fingolimod enhances myelin repair of hippocampus in pentylenetetrazol-induced kindling model. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 72-83.	4.0	44

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55	Effects of Low Frequency Stimulation on Spontaneous Inhibitory and Excitatory Post-Synaptic Currents in Hippocampal CA1 Pyramidal Cells of Kindled Rats. <i>Cell Journal</i> , 2017, 18, 547-555.	0.2	1
56	Low-frequency electrical stimulation enhances the effectiveness of phenobarbital on GABAergic currents in hippocampal slices of kindled rats. <i>Neuroscience</i> , 2016, 330, 26-38.	2.3	14
57	Effect of low frequency stimulation on impaired spontaneous alternation behavior of kindled rats in Y-maze test. <i>Epilepsy Research</i> , 2016, 126, 37-44.	1.6	62
58	The blockade of GABAA receptors attenuates the inhibitory effect of orexin type 1 receptors antagonist on morphine withdrawal syndrome in rats. <i>Neuroscience Letters</i> , 2016, 617, 201-206.	2.1	20
59	Investigation of sedative and hypnotic effects of <i>Amygdalus communis</i> L. extract: behavioral assessments and EEG studies on rat. <i>Journal of Natural Medicines</i> , 2016, 70, 190-197.	2.3	12
60	Study of Sedative-Hypnotic Effects of <i>Aloe vera</i> L. Aqueous Extract through Behavioral Evaluations and EEG Recording in Rats. <i>Iranian Journal of Pharmaceutical Research</i> , 2016, 15, 293-300.	0.5	6
61	Effect of low frequency repetitive transcranial magnetic stimulation on kindling-induced changes in electrophysiological properties of rat CA1 pyramidal neurons. <i>Brain Research</i> , 2015, 1606, 34-43.	2.2	12
62	Microinjection of orexin-A into the rat locus coeruleus nucleus induces analgesia via cannabinoid type-1 receptors. <i>Brain Research</i> , 2015, 1624, 424-432.	2.2	22
63	Orexin type 1 receptor antagonism in rat locus coeruleus prevents the analgesic effect of intra-LC met-enkephalin microinjection. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 136, 102-106.	2.9	28
64	Fibroblast Growth Factor-2 Enhanced The Recruitment of Progenitor Cells and Myelin Repair in Experimental Demyelination of Rat Hippocampal Formations. <i>Cell Journal</i> , 2015, 17, 540-456.	0.2	18
65	In vitro differentiation of neural stem cells into noradrenergic-like cells. <i>International Journal of Molecular and Cellular Medicine</i> , 2015, 4, 22-31.	1.1	5
66	Nogo Receptor Inhibition Enhances Functional Recovery following Lysolecithin-Induced Demyelination in Mouse Optic Chiasm. <i>PLoS ONE</i> , 2014, 9, e106378.	2.5	40
67	Curtailling Effect of Awakening on Visual Responses of Cortical Neurons by Cholinergic Activation of Inhibitory Circuits. <i>Journal of Neuroscience</i> , 2014, 34, 10122-10133.	3.6	22
68	Blockade of orexin type-1 receptors in locus coeruleus nucleus attenuates the development of morphine dependency in rats. <i>Neuroscience Letters</i> , 2014, 578, 90-94.	2.1	26
69	Repetitive transcranial magnetic stimulation decreases the kindling induced synaptic potentiation: Effects of frequency and coil shape. <i>Epilepsy Research</i> , 2014, 108, 190-201.	1.6	21
70	Electrical Low Frequency Stimulation of the Kindling Site Preserves the Electrophysiological Properties of the Rat Hippocampal CA1 Pyramidal Neurons From the Destructive Effects of Amygdala Kindling: The Basis for a Possible Promising Epilepsy Therapy. <i>Brain Stimulation</i> , 2013, 6, 515-523.	1.6	34
71	Comparing the anticonvulsant effects of low frequency stimulation of different brain sites on the amygdala kindling acquisition in rats. <i>Basic and Clinical Neuroscience</i> , 2013, 4, 250-6.	0.6	13
72	Effect of low-frequency electrical stimulation parameters on its anticonvulsant action during rapid perforant path kindling in rat. <i>Epilepsy Research</i> , 2012, 99, 69-77.	1.6	39

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73	Functional involvement of Ca <sup>2+</sup> and Ca <sup>2+</sup> -activated K <sup>+</sup> channels in anethol-induced changes in Ca <sup>2+</sup> -dependent excitability of F1 neurons in <i>Helix aspersa</i> . <i>FÄ-toterapÄ-Äç</i> , 2011, 82, 750-756.	2.2	14
74	Visual evoked potentials and MBP gene expression imply endogenous myelin repair in adult rat optic nerve and chiasm following local lysolecithin induced demyelination. <i>Brain Research</i> , 2010, 1351, 50-56.	2.2	59
75	Effect of different patterns of low-frequency stimulation on piriform cortex kindled seizures. <i>Neuroscience Letters</i> , 2007, 425, 162-166.	2.1	42
76	Effect of transient hippocampal inhibition on amygdaloid kindled seizures and amygdaloid kindling rate. <i>Brain Research</i> , 2002, 954, 220-226.	2.2	15
77	Medicinal Herbs and Epilepsy: A Two Edged Sword. , 0, , .		0