

# Abbas Ali - Vafaei

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

1,666  
citations

279487

23  
h-index

329751

37  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2448  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective effects of saffron extract and its active constituent crocin against oxidative stress and spatial learning and memory deficits induced by chronic stress in rats. <i>European Journal of Pharmacology</i> , 2011, 667, 222-229.	1.7	230
2	Protective Effects of Crocus Sativus L. Extract and Crocin against Chronic-Stress Induced Oxidative Damage of Brain, Liver and Kidneys in Rats. <i>Advanced Pharmaceutical Bulletin</i> , 2014, 4, 493-9.	0.6	88
3	Serotonergic and noradrenergic lesions suppress the enhancing effect of maternal exercise during pregnancy on learning and memory in rat pups. <i>Neuroscience</i> , 2008, 151, 1173-1183.	1.1	73
4	Effects of moderate treadmill exercise and fluoxetine on behavioural and cognitive deficits, hypothalamic-pituitary-adrenal axis dysfunction and alternations in hippocampal BDNF and mRNA expression of apoptosis related proteins in a rat model of post-traumatic stress disorder. <i>Neurobiology of Learning and Memory</i> , 2017, 139, 165-178.	1.0	69
5	The effects of acute restraint stress and dexamethasone on retrieval of long-term memory in rats: an interaction with opiate system. <i>Behavioural Brain Research</i> , 2004, 154, 193-198.	1.2	64
6	Effects of environmental enrichment on behavioral deficits and alterations in hippocampal BDNF induced by prenatal exposure to morphine in juvenile rats. <i>Neuroscience</i> , 2015, 305, 372-383.	1.1	61
7	Central mineralocorticoid receptors are indispensable for corticosterone-induced impairment of memory retrieval in rats. <i>Neuroscience</i> , 2007, 149, 729-738.	1.1	53
8	Systemic and intrahippocampal administrations of the glucocorticoid receptor antagonist RU38486 impairs fear memory reconsolidation in rats. <i>Stress</i> , 2011, 14, 459-464.	0.8	47
9	Reversible lesion of the rat's orbitofrontal cortex interferes with hippocampus-dependent spatial memory. <i>Behavioural Brain Research</i> , 2004, 149, 61-68.	1.2	45
10	Effects of maternal hypothyroidism during pregnancy on learning, memory and hippocampal BDNF in rat pups: Beneficial effects of exercise. <i>Neuroscience</i> , 2016, 329, 151-161.	1.1	41
11	Orexin A in the ventral tegmental area induces conditioned place preference in a dose-dependent manner: Involvement of D1/D2 receptors in the nucleus accumbens. <i>Peptides</i> , 2012, 37, 225-232.	1.2	40
12	Evaluation of topical <i>Matricaria chamomilla</i> extract activity on linear incisional wound healing in albino rats. <i>Natural Product Research</i> , 2010, 24, 697-702.	1.0	37
13	The glucocorticoid system is required for the voluntary exercise-induced enhancement of learning and memory in rats. <i>Behavioural Brain Research</i> , 2011, 219, 75-81.	1.2	36
14	Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 578-587.	2.5	36
15	Mesolimbic dopamine system and its modulation by vitamin D in a chronic mild stress model of depression in the rat. <i>Behavioural Brain Research</i> , 2019, 356, 156-169.	1.2	36
16	Probiotic supplementation attenuates hippocampus injury and spatial learning and memory impairments in a cerebral hypoperfusion mouse model. <i>Molecular Biology Reports</i> , 2019, 46, 4985-4995.	1.0	35
17	Effects of voluntary and treadmill exercise on spontaneous withdrawal signs, cognitive deficits and alterations in apoptosis-associated proteins in morphine-dependent rats. <i>Behavioural Brain Research</i> , 2014, 271, 160-170.	1.2	33
18	Voluntary exercise does not ameliorate spatial learning and memory deficits induced by chronic administration of nandrolone decanoate in rats. <i>Hormones and Behavior</i> , 2013, 63, 158-165.	1.0	32

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19	Effects of systemic administration of oxytocin on contextual fear extinction in a rat model of post-traumatic stress disorder. <i>Basic and Clinical Neuroscience</i> , 2013, 4, 315-22.	0.3	32
20	Beneficial Effects of Physical Activity and Crocin Against Adolescent Stress Induced Anxiety or Depressive-Like Symptoms and Dendritic Morphology Remodeling in Prefrontal Cortex in Adult Male Rats. <i>Neurochemical Research</i> , 2019, 44, 917-929.	1.6	29
21	Central $\hat{I}^2$ -adrenergic receptors play an important role in the enhancing effect of voluntary exercise on learning and memory in rat. <i>Behavioural Brain Research</i> , 2010, 208, 189-193.	1.2	28
22	Low- and high-intensity treadmill exercise attenuates chronic morphine-induced angiogenesis and memory impairment but not reductions in hippocampal BDNF in female rats. <i>Brain Research</i> , 2017, 1663, 20-28.	1.1	28
23	Involvement of CB1 receptors in the ventral tegmental area in the potentiation of morphine rewarding properties in acquisition but not expression in the conditioned place preference model. <i>Behavioural Brain Research</i> , 2013, 247, 259-267.	1.2	26
24	Post-training reversible inactivation of the rat's basolateral amygdala interferes with hippocampus-dependent place avoidance memory in a time-dependent manner. <i>Neurobiology of Learning and Memory</i> , 2007, 88, 87-93.	1.0	23
25	Effects of the combined treatment of bone marrow stromal cells with mild exercise and thyroid hormone on brain damage and apoptosis in a mouse focal cerebral ischemia model. <i>Metabolic Brain Disease</i> , 2017, 32, 1267-1277.	1.4	21
26	Propranolol-induced Impairment of Contextual Fear Memory Reconsolidation in Rats: A similar Effect on Weak and Strong Recent and Remote Memories. <i>Basic and Clinical Neuroscience</i> , 2014, 5, 231-9.	0.3	20
27	Infralimbic dopamine D2 receptors mediate glucocorticoid-induced facilitation of auditory fear memory extinction in rats. <i>Brain Research</i> , 2018, 1682, 84-92.	1.1	19
28	Time-dependent protective effects of morphine against behavioral and morphological deficits in an animal model of posttraumatic stress disorder. <i>Behavioural Brain Research</i> , 2019, 364, 19-28.	1.2	19
29	Oxytocin Reduces Brain Injury and Maintains Blood-Brain Barrier Integrity After Ischemic Stroke in Mice. <i>NeuroMolecular Medicine</i> , 2020, 22, 557-571.	1.8	19
30	Voluntary exercise and estradiol reverse ovariectomy-induced spatial learning and memory deficits and reduction in hippocampal brain-derived neurotrophic factor in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 187, 172819.	1.3	17
31	Neuronal Nitric Oxide Inhibitor 7-Nitroindazole Improved Brain-Derived Neurotrophic Factor and Attenuated Brain Tissues Oxidative Damage and Learning and Memory Impairments of Hypothyroid Juvenile Rats. <i>Neurochemical Research</i> , 2020, 45, 2775-2785.	1.6	17
32	Antispasmodic effect of hydroalcoholic extract of <i>Thymus vulgaris</i> on the guinea-pig ileum. <i>Natural Product Research</i> , 2008, 22, 1143-1150.	1.0	16
33	Impact of different intensities of forced exercise on deficits of spatial and aversive memory, anxiety-like behavior, and hippocampal BDNF during morphine abstinence period in male rats. <i>Metabolic Brain Disease</i> , 2020, 35, 135-147.	1.4	16
34	Involvement of dopaminergic receptors of the rat nucleus accumbens in decreasing the conditioned place preference induced by lateral hypothalamus stimulation. <i>Neuroscience Letters</i> , 2013, 556, 10-14.	1.0	15
35	Effects of Saffron ( <i>Crocus sativus</i> L.) Stigma Extract and its Active Constituent Crocin on Neuropathic Pain Responses in a Rat Model of Chronic Constriction Injury. <i>Iranian Journal of Pharmaceutical Research</i> , 2016, 15, 253-61.	0.3	14
36	Peripheral injection of dexamethasone modulates anxiety related behaviors in mice: an interaction with opioidergic neurons. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2008, 21, 285-9.	0.2	14

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37	Verapamil enhances acute stress or glucocorticoid-induced deficits in retrieval of long-term memory in rats. <i>Behavioural Brain Research</i> , 2009, 203, 76-80.	1.2	13
38	G-CSF for mobilizing transplanted bone marrow stem cells in rat model of Parkinson's disease. <i>Iranian Journal of Basic Medical Sciences</i> , 2016, 19, 1318-1324.	1.0	13
39	Opiate System Mediate the Antinociceptive Effects of <i>Coriandrum sativum</i> in Mice. <i>Iranian Journal of Pharmaceutical Research</i> , 2012, 11, 679-88.	0.3	13
40	Protective effects of morphine in a rat model of post-traumatic stress disorder: Role of hypothalamic-pituitary-adrenal axis and beta- adrenergic system. <i>Behavioural Brain Research</i> , 2020, 395, 112867.	1.2	12
41	Cannabidiol attenuated the maintenance and reinstatement of extinguished methylphenidate-induced conditioned place preference in rats. <i>Brain Research Bulletin</i> , 2021, 166, 118-127.	1.4	12
42	The Effects of Valerian on Sleep Quality, Depression, and State Anxiety in Hemodialysis Patients: A Randomized, Double-blind, Crossover Clinical Trial. <i>Oman Medical Journal</i> , 2021, 36, e255-e255.	0.3	12
43	Protective Effects of Water Extract of Propolis on Dopaminergic Neurons, Brain Derived Neurotrophic Factor and Stress Oxidative Factors in the Rat Model of Parkinson's Disease. <i>International Journal of Pharmacology</i> , 2015, 11, 300-308.	0.1	12
44	Antinociceptive effects of hydroalcoholic extract of <i>Thymus vulgaris</i> . <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2009, 22, 83-9.	0.2	11
45	Effect of valerian on cognitive disorders and electroencephalography in hemodialysis patients: a randomized, cross over, double-blind clinical trial. <i>BMC Nephrology</i> , 2018, 19, 379.	0.8	10
46	The care preferences of patients under hemodialysis. <i>Journal of Renal Injury Prevention</i> , 2017, 6, 210-215.	0.6	10
47	<i>Spirulina microalgae</i> improves memory deficit induced by scopolamine in male pup rats: Role of oxidative stress. <i>South African Journal of Botany</i> , 2019, 127, 220-225.	1.2	9
48	Temporary inactivation of the infralimbic cortex impairs while the blockade of its dopamine D2 receptors enhances auditory fear extinction in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2021, 203, 173131.	1.3	9
49	Antimotility Effect of Hydroalcoholic Extract of Yarrow ( <i>Achillea millefolium</i> ) on the Guinea-Pig Ileum. <i>Pakistan Journal of Biological Sciences</i> , 2007, 10, 3673-3677.	0.2	9
50	Glucocorticoids Interact with Cholinergic System in Impairing Memory Reconsolidation of an Inhibitory Avoidance Task in Mice. <i>Basic and Clinical Neuroscience</i> , 2015, 6, 155-62.	0.3	9
51	Glucocorticoid-induced impairment of long-term memory retrieval in female rats: Influences of estrous cycle and estrogen. <i>Neurobiology of Learning and Memory</i> , 2015, 118, 209-215.	1.0	8
52	Hippocampal Up-Regulation of Apolipoprotein D in a Rat Model of Maternal Hypo- and Hyperthyroidism: Implication of Oxidative Stress. <i>Neurochemical Research</i> , 2019, 44, 2190-2201.	1.6	8
53	Oxytocin in dorsal hippocampus facilitates auditory fear memory extinction in rats. <i>Neuropharmacology</i> , 2022, 202, 108844.	2.0	8
54	<p></p>Role of Cannabinoid Receptors in Crocin-Induced Hypoalgesia in Neuropathic Pain in Rats</p>. <i>Journal of Experimental Pharmacology</i> , 2020, Volume 12, 97-106.	1.5	7

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55	Microinjection of the BDNF receptor antagonist ANA-12 into the nucleus accumbens and medial-prefrontal cortex attenuates morphine-induced reward memory, and alterations of BDNF levels and apoptotic cells in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2021, 201, 173111.	1.3	7
56	Exercise and crocin prevent adolescent-stress induced impairment of spatial navigation and dendritic retraction in the hippocampal CA3 area in adult male rats. <i>Brain Research</i> , 2021, 1754, 147274.	1.1	7
57	Neuroprotective Effects of Chemerin on a Mouse Stroke Model: Behavioral and Molecular Dimensions. <i>Neurochemical Research</i> , 2021, 46, 3301-3313.	1.6	7
58	Effects of treadmill exercise and sex hormones on learning, memory and hippocampal brain-derived neurotrophic factor levels in transient congenital hypothyroid rats. <i>Behavioural Pharmacology</i> , 2020, 31, 641-651.	0.8	5
59	Mesenchymal stem cells that located in the electromagnetic fields improves rat model of Parkinson's disease. <i>Iranian Journal of Basic Medical Sciences</i> , 2016, 19, 741-8.	1.0	5
60	Effects of extremely low frequency magnetic field on the development of tolerance to the analgesic effect of morphine in rats. <i>Bioelectromagnetics</i> , 2017, 38, 618-625.	0.9	3
61	Role of Amygdala-Infralimbic Cortex Circuitry in Glucocorticoid-induced Facilitation of Auditory Fear Memory Extinction. <i>Basic and Clinical Neuroscience</i> , 2022, 13, 193-206.	0.3	3
62	Chronic light deprivation induces different effects on spatial and fear memory and hippocampal BDNF/TRKB expression during light and dark phases of rat diurnal rhythm. <i>Behavioural Brain Research</i> , 2022, 418, 113638.	1.2	3
63	Role of Muscarinic Receptors in Hypoalgesia Induced by Crocin in Neuropathic Pain Rats. <i>Scientific World Journal, The</i> , 2020, 2020, 1-7.	0.8	2
64	Interaction between 5-HT6 receptors and acute stress and corticosterone on fear memory reconsolidation in mice. <i>Koomesh</i> , 2020, 22, 185-191.	0.1	2
65	Effects of different intensities of treadmill exercise on cued fear extinction failure, hippocampal BDNF decline, and Bax/Bcl-2 ratio alteration in chronic morphine treated male rats. <i>Behavioural Brain Research</i> , 2022, 421, 113732.	1.2	2
66	Corticosterone impairs contextual fear recall after reactivation in the ovariectomized rat model of menopause. <i>Behavioural Brain Research</i> , 2020, 394, 112817.	1.2	1
67	Neurotoxicity of pre-incubated alpha-synuclein with neutral nanoliposomes on PC12 and SHSY5Y cell lines. <i>Scientia Iranica</i> , 2017, .	0.3	1
68	Effect of Vitamin D on Hippocampus Brain-Derived Neurotrophic Factor Level in Chronic Mild Stress Model of Depression in Rats. <i>Middle East Journal of Rehabilitation and Health Studies</i> , 2018, 5, .	0.1	1
69	Interactive Effects of Exercise, Sex Hormones, and Transient Congenital Hypothyroidism on Long-Term Potentiation in Hippocampal Slices of Rat Offspring. <i>Basic and Clinical Neuroscience</i> , 2019, 10, 119-135.	0.3	1
70	Role of Hippocampal 5-HT6 Receptors in Glucocorticoid-Induced Enhancement of Memory Consolidation in Rats. <i>Basic and Clinical Neuroscience</i> , 2020, 11, 507-516.	0.3	1
71	EMF promote BMSCs differentiation and functional recovery in hemiparkinsonian rats. <i>Neuroscience Letters</i> , 2022, 784, 136765.	1.0	1
72	P009 Evaluation the role of hippocampal kappa opioid receptors in retrieval of spatial memory in rats. <i>Clinical Neurophysiology</i> , 2008, 119, S73.	0.7	0

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73	P216 Effects of intra-hippocampal injection of kappa opioid receptor agonist and antagonist on glucocorticoid-induced impairment of spatial memory retrieval in rats. <i>Clinical Neurophysiology</i> , 2008, 119, S126.	0.7	0
74	Interaction between glucocorticoids and opiate system on memory retrieval. <i>International Journal of Psychophysiology</i> , 2008, 69, 241.	0.5	0
75	Evaluation of interactions between acute stress and Ca <sup>++</sup> channels on pain in Tail-flick and Hot-plate tests in mice. <i>International Journal of Psychophysiology</i> , 2008, 69, 309.	0.5	0
76	The effect of turmeric and curcumin on neuropathic pain behavioral response of CCI model in rats. <i>Journal of Medicinal Plants</i> , 2020, 19, 141-153.	0.3	0
77	Effects of forced exercise on object location memory and anxiety behaviour in morphine dependent ovariectomized rats. <i>Koomesh</i> , 2020, 22, 704-710.	0.1	0
78	Prophylactic effect of intranasal oxytocin on brain damage and neurological disorders in global cerebral ischemia in mice. <i>Iranian Journal of Basic Medical Sciences</i> , 2021, 24, 79-84.	1.0	0
79	Pre-ischemic Interventions with Recombinant Human Chemerin Diminish Brain Injury and Spatial Memory Dysfunction in an Experimental Model of Stroke. <i>Middle East Journal of Rehabilitation and Health Studies</i> , 2022, 9, .	0.1	0