

# Mehrdad Faizi

## List of Publications by Year in descending order

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87  
papers

2,619  
citations

236925

25  
h-index

197818

49  
g-index

88  
all docs

88  
docs citations

88  
times ranked

3957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and anticonvulsant activity of new 2-substituted-5-[2-(2-fluorophenoxy)phenyl]-1,3,4-oxadiazoles and 1,2,4-triazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 6057-6059.	2.2	304
2	Mouse model of Timothy syndrome recapitulates triad of autistic traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15432-15437.	7.1	186
3	Synthesis and anticonvulsant activity of new 2-substituted-5-(2-benzoyloxyphenyl)-1,3,4-oxadiazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 1863-1865.	2.2	181
4	Deficits in Cognition and Synaptic Plasticity in a Mouse Model of Down Syndrome Ameliorated by GABAB Receptor Antagonists. <i>Journal of Neuroscience</i> , 2012, 32, 9217-9227.	3.6	160
5	Restoration of Norepinephrine-Modulated Contextual Memory in a Mouse Model of Down Syndrome. <i>Science Translational Medicine</i> , 2009, 1, 7ra17.	12.4	150
6	Comprehensive behavioral phenotyping of Ts65Dn mouse model of Down Syndrome: Activation of $\beta$ 2-adrenergic receptor by xamoterol as a potential cognitive enhancer. <i>Neurobiology of Disease</i> , 2011, 43, 397-413.	4.4	130
7	Errors in preparation and administration of intravenous medications in the intensive care unit of a teaching hospital: An observational study. <i>Australian Critical Care</i> , 2008, 21, 110-116.	1.3	88
8	Thy1 $\alpha$ ChAPP <sup>Lond/Swe+</sup> mouse model of Alzheimer's disease displays broad behavioral deficits in sensorimotor, cognitive and social function. <i>Brain and Behavior</i> , 2012, 2, 142-154.	2.2	78
9	Reversal effects of crocin on amyloid $\beta$ -induced memory deficit: Modification of autophagy or apoptosis markers. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 139, 47-58.	2.9	77
10	Design, synthesis, pharmacological evaluation, and docking study of new acridone-based 1,2,4-oxadiazoles as potential anticonvulsant agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 112, 91-98.	5.5	75
11	Total phenolic and flavonoid content and antibacterial activity of <i>Punica granatum</i> L. var. <i>pleniflora</i> flowers (Golnar) against bacterial strains causing foodborne diseases. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 366.	3.7	71
12	Interaction between the protective effects of cannabidiol and palmitoylethanolamide in experimental model of multiple sclerosis in C57BL/6 mice. <i>Neuroscience</i> , 2015, 290, 279-287.	2.3	66
13	Toxicity of cuprizone a Cu <sup>2+</sup> chelating agent on isolated mouse brain mitochondria: a justification for demyelination and subsequent behavioral dysfunction. <i>Toxicology Mechanisms and Methods</i> , 2016, 26, 276-283.	2.7	64
14	Using mouse models to explore genotype-phenotype relationship in Down syndrome. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2007, 13, 207-214.	3.6	62
15	Design and synthesis of new 2-substituted-5-(2-benzylthiophenyl)-1,3,4-oxadiazoles as benzodiazepine receptor agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3126-3129.	2.2	60
16	Evidence for the involvement of NMDA receptors in the antidepressant-like effect of nicotine in mouse forced swimming and tail suspension tests. <i>Psychopharmacology</i> , 2015, 232, 3551-3561.	3.1	50
17	Novel agonists of benzodiazepine receptors: Design, synthesis, binding assay and pharmacological evaluation of 1,2,4-triazolo[1,5-a]pyrimidinone and 3-amino-1,2,4-triazole derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 480-487.	3.0	48
18	Design and Synthesis of New 2-Substituted-5-[2-(2-halobenzoyloxy)phenyl]-1,3,4-oxadiazoles as Anticonvulsant Agents. <i>Chemical and Pharmaceutical Bulletin</i> , 2008, 56, 509-512.	1.3	41

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19	Determination of dibutyl phthalate neurobehavioral toxicity in mice. <i>Food and Chemical Toxicology</i> , 2016, 94, 221-226.	3.6	39
20	Antiulcer activities of liquorice and its derivatives in experimental gastric lesion induced by ibuprofen in rats. <i>International Journal of Pharmaceutics</i> , 1995, 119, 133-138.	5.2	37
21	Synthesis and calcium antagonist activity of 1,4-dihydropyridines containing phenylaminoimidazolyl substituents. <i>Il Farmaco</i> , 2003, 58, 1077-1081.	0.9	36
22	Schizophrenia induces oxidative stress and cytochrome C release in isolated rat brain mitochondria: a possible pathway for induction of apoptosis and neurodegeneration. <i>Iranian Journal of Pharmaceutical Research</i> , 2014, 13, 93-100.	0.5	34
23	Synthesis and Pharmacological Evaluation of New <i>Pharmaceutica</i> , 2008, 76, 185-201.	2.0	31
24	Encapsulation of eptifibatid in RGD-modified nanoliposomes improves platelet aggregation inhibitory activity. <i>Journal of Thrombosis and Thrombolysis</i> , 2017, 43, 184-193.	2.1	29
25	Coenzyme Q10 supplementation improves acute outcomes of stroke in rats pretreated with atorvastatin. <i>Nutritional Neuroscience</i> , 2019, 22, 264-272.	3.1	29
26	In vitro toxicity of perfluorooctane sulfonate on rat liver hepatocytes: probability of destructive binding to CYP 2E1 and involvement of cellular proteolysis. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23382-23388.	5.3	25
27	The effect of mebudipine and dibudipine, two new Ca <sup>2+</sup> channel blockers, in comparison with nifedipine on Ca <sup>2+</sup> spikes of F1 <sup>Å</sup> neuronal soma membrane in <i>Helix aspersa</i> . <i>Acta Physiologica Hungarica</i> , 2003, 90, 243-254.	0.9	25
28	Determination of impurities in illicit methamphetamine samples seized in Iran. <i>Forensic Science International</i> , 2012, 217, 204-206.	2.2	24
29	Novel 4-thiazolidinone derivatives as agonists of benzodiazepine receptors: Design, synthesis and pharmacological evaluation. <i>EXCLI Journal</i> , 2017, 16, 52-62.	0.7	22
30	Evaluation and comparison of the antidepressant-like activity of <i>Artemisia dracuncululus</i> and <i>Stachys lavandulifolia</i> ethanolic extracts: an in vivo study. <i>Research in Pharmaceutical Sciences</i> , 2019, 14, 544.	1.8	22
31	Preliminary investigation of the effects of topical mixture of <i>Lawsonia inermis</i> L. and <i>Ricinus communis</i> L. leaves extract in treatment of osteoarthritis using MIA model in rats. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2016, 24, 12.	2.0	21
32	Design, Synthesis and Pharmacological Evaluation of Novel 2-[2-(2-Chlorophenoxy) phenyl]-1,3,4-oxadiazole Derivatives as Benzodiazepine Receptor Agonists. <i>Iranian Journal of Pharmaceutical Research</i> , 2012, 11, 83-90.	0.5	20
33	A Search for Mitochondrial Damage in Alzheimer's Disease Using Isolated Rat Brain Mitochondria. <i>Iranian Journal of Pharmaceutical Research</i> , 2016, 15, 185-195.	0.5	17
34	Zolpidem-induced suicide attempt: a case report. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2013, 21, 77.	2.0	16
35	Design, Synthesis and Biological Evaluation of Some Oxadiazole Derivatives as Novel Amide-Based Inhibitors of Soluble Epoxide Hydrolase. <i>Letters in Drug Design and Discovery</i> , 2014, 11, 721-730.	0.7	16
36	An Intensified Acrolein Exposure Can Affect Memory and Cognition in Rat. <i>Neurotoxicity Research</i> , 2021, 39, 277-291.	2.7	15

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37	Design, synthesis and biological evaluation of 4-benzamidobenzoic Acid hydrazide derivatives as novel soluble epoxide hydrolase inhibitors. Iranian Journal of Pharmaceutical Research, 2014, 13, 51-9.	0.5	15
38	Hydroalcoholic extract of <i>Myrtus communis</i> can alter anxiety and sleep parameters: a behavioural and EEG sleep pattern study in mice and rats. Pharmaceutical Biology, 2016, 54, 2141-2148.	2.9	14
39	Evaluation of Anti-Inflammatory and Anti-Nociceptive Effects of Defatted Fruit Extract of <i>Olea europaea</i> . Iranian Journal of Pharmaceutical Research, 2014, 13, 119-23.	0.5	14
40	Novel soluble epoxide hydrolase inhibitors with a dihydropyrimidinone scaffold: design, synthesis and biological evaluation. MedChemComm, 2016, 7, 2128-2135.	3.4	12
41	Investigation of sedative and hypnotic effects of <i>Amygdalus communis</i> L. extract: behavioral assessments and EEG studies on rat. Journal of Natural Medicines, 2016, 70, 190-197.	2.3	12
42	Comparison of transmission FTIR and ATR spectra for discrimination between beef and chicken meat and quantification of chicken in beef meat mixture using ATR-FTIR combined with chemometrics. Journal of Food Science and Technology, 2020, 57, 1430-1438.	2.8	12
43	Phenolic Bioactives as Antiplatelet Aggregation Factors: The Pivotal Ingredients in Maintaining Cardiovascular Health. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	4.0	11
44	Novel Application of Near-infrared Spectroscopy and Chemometrics Approach for Detection of Lime Juice Adulteration. Iranian Journal of Pharmaceutical Research, 2020, 19, 34-44.	0.5	11
45	Nimodipine-Loaded Pluronic Block Copolymer Micelles: Preparation, Characterization, and Studies. Iranian Journal of Pharmaceutical Research, 2016, 15, 641-661.	0.5	11
46	Comparison [3H]-flumazenil binding parameters in rat cortical membrane using different separation methods, filtration and centrifugation. Nuclear Medicine and Biology, 2013, 40, 896-900.	0.6	10
47	Synthesis and radioligand binding assay of 2,5-disubstituted thiadiazoles and evaluation of their anticonvulsant activities. Archiv Der Pharmazie, 2020, 353, e2000066.	4.1	9
48	Repeated Administration of Mercury Intensifies Brain Damage in Multiple Sclerosis through Mitochondrial Dysfunction. Iranian Journal of Pharmaceutical Research, 2016, 15, 834-841.	0.5	9
49	LC-ESI-QTOF-MS/MS characterization of phenolic compounds from <i>Prosopis farcta</i> (Banks & Sol.) J.F.Macbr. and their potential antioxidant activities. Cellular and Molecular Biology, 2021, 67, 189-200.	0.9	8
50	An Study on Anticonvulsant, Anxiolytic, and Sedative-Hypnotic Effects of the Polyphenol-Rich Extract; Evidence for the Involvement of GABA Receptors. Iranian Journal of Pharmaceutical Research, 2019, 18, 1456-1465.	0.5	8
51	Hydroethanolic extract of <i>Lavandula angustifolia</i> ameliorates vincristine-induced peripheral neuropathy in rats. Research in Pharmaceutical Sciences, 2022, 17, 265.	1.8	8
52	Optimum conditions of radioligand receptor binding assay of ligands of benzodiazepine receptors. Iranian Journal of Pharmaceutical Research, 2014, 13, 79-86.	0.5	7
53	Preparation and Characterization of Lidocaine-Loaded, Microemulsion-Based Topical Gels. Iranian Journal of Pharmaceutical Research, 2022, 21, .	0.5	7
54	Assessment of possible protective roles of selenium, zinc, and <i>cis</i> -Stilbene oxide against acute Tâ€š toxin poisoning: A preliminary report. Natural Toxins, 1997, 5, 133-135.	1.0	6

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55	Evaluation of Anxiolytic, Sedative-hypnotic and Amnesic Effects of Novel 2-phenoxy phenyl-1,3,4-oxadiazole Derivatives Using Experimental Models. Iranian Journal of Pharmaceutical Research, 2015, 14, 51-7.	0.5	6
56	Study of Sedative-Hypnotic Effects of Aloe vera L. Aqueous Extract through Behavioral Evaluations and EEG Recording in Rats. Iranian Journal of Pharmaceutical Research, 2016, 15, 293-300.	0.5	6
57	Optimized Transferosomal Bovine Lactoferrin (BLF) as a Promising Novel Non-Invasive Topical Treatment for Genital Warts Caused by Human Papiluma Virus (HPV). Iranian Journal of Pharmaceutical Research, 2018, 17, 12-23.	0.5	6
58	Design, synthesis, and preliminary pharmacological evaluation of novel thiazolidinone derivatives as potential benzodiazepine agonists. Molecular Diversity, 2022, 26, 769-780.	3.9	5
59	In vitro differentiation of neural stem cells into noradrenergic-like cells. International Journal of Molecular and Cellular Medicine, 2015, 4, 22-31.	1.1	5
60	Isotopic signatures and patterns of volatile compounds for discrimination of genuine lemon, genuine lime and adulterated lime juices. Food Control, 2022, 136, 108837.	5.5	5
61	Toxicity of 4-methylimidazole on isolated brain mitochondria: using both in vivo and in vitro methods. Toxicological and Environmental Chemistry, 2015, 97, 663-673.	1.2	4
62	Synthesis of novel norsufentanil analogs via a four-component Ugi reaction and in vivo, docking, and QSAR studies of their analgesic activity. Chemical Biology and Drug Design, 2018, 91, 902-914.	3.2	4
63	Novel Triazole-Ethered Derivatives of Norcodeine: Synthesis, Radioligand Binding Assay, Docking Study and Evaluation of Their Analgesic Properties. ChemistrySelect, 2020, 5, 14753-14758.	1.5	4
64	Optimization binding studies of opioid receptors, saturation and competition, using [3H]-DAMGO. Pharmacological Reports, 2021, 73, 1390-1395.	3.3	4
65	Sedative-hypnotic, anxiolytic and possible side effects of Salvia limbata C. A. Mey. Extracts and the effects of phenological stage and altitude on the rosmarinic acid content. Journal of Ethnopharmacology, 2022, 282, 114630.	4.1	4
66	Induction of Apoptosis by an Extract of Persian Gulf Marine Mollusc, Turbo Coronatus through the Production of Reactive Oxygen Species in Mouse Melanoma Cells. Asian Pacific Journal of Cancer Prevention, 2018, 19, 3479-3488.	1.2	4
67	Induction of Apoptosis by Extract of Persian Gulf Marine Mollusk, through the ROS-Mediated Mitochondrial Targeting on Human Epithelial Ovarian Cancer Cells. Iranian Journal of Pharmaceutical Research, 2019, 18, 263-274.	0.5	4
68	Semi-synthesis of Novel Buprenorphine Derivatives and their Anti-nociceptive Properties and Dependency Potential. Canadian Journal of Chemistry, 0, .	1.1	3
69	Development of an RP-HPLC-UV Method for Simultaneous Detection of Nimodipine and its Metabolite in Cerebrospinal Fluid of Rat. Iranian Journal of Pharmaceutical Research, 2017, 16, 471-477.	0.5	3
70	Evaluation of Anticonvulsant Effect of Aqueous and Methanolic Extracts of Seven Species. Iranian Journal of Pharmaceutical Research, 2019, 18, 208-220.	0.5	3
71	Synthesis of 4,6-diphenylpyrimidin-2-ol derivatives as new benzodiazepine receptor ligands. Bioorganic Chemistry, 2021, 109, 104737.	4.1	2
72	Exposure to 4-methylimidazole as a food pollutant induces neurobehavioral toxicity in mother and developmental impairments in the offspring. Toxin Reviews, 2021, 40, 1441-1446.	3.4	2

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73	Development of an Analytical Method for Dibutyl Phthalate Determination Using Surrogate Analyte Approach. Iranian Journal of Pharmaceutical Research, 2017, 16, 140-145.	0.5	2
74	Identification and Quantification of Texture Soy Protein in A Mixture with Beef Meat Using ATR-FTIR Spectroscopy in Combination with Chemometric Methods. Iranian Journal of Pharmaceutical Research, 2019, 18, 190-197.	0.5	2
75	Cyclic AMP pathway modifies memory through neural cell adhesion molecule alterations in the rat hippocampus. Acta Medica Iranica, 2014, 52, 246-55.	0.8	2
76	Synthesis of a quaternary bis derivative of imipramine as a novel compound with potential anti-enuretic effect. Journal of Pharmacy and Pharmacology, 2010, 61, 1229-1232.	2.4	1
77	Creatine Revealed Anticonvulsant Properties on Chemically and Electrically Induced Seizures in Mice. Iranian Journal of Pharmaceutical Research, 2016, 15, 843-850.	0.5	1
78	Neuro-Behavioral Profile and Toxicity of the Essential Oil of Gum as an Anti-seizure, Anti-nociceptive, and Hypnotic Agent with Memory-enhancing Properties in D-Galactose Induced Aging Mice. Iranian Journal of Pharmaceutical Research, 2020, 19, 110-121.	0.5	1
79	Evaluation of Formulated Herbal Syrup (Containing Fennel, Anise, and Celery) on the Letrozole-Induced Polycystic Ovary Syndrome Model. Jundishapur Journal of Natural Pharmaceutical Products, 2022, In Press, .	0.6	1
80	A Neglected Challenge in the Analysis of Active Pharmaceutical Substances with Aldehyde Functional Group in Aqueous Matrices. Iranian Journal of Pharmaceutical Research, 2022, In Press, .	0.5	1
81	Challenges for the determination of spiramycin in aqueous matrices using LC-MS/MS: evidence for the solvent intrusion on the molecule integrity. RSC Advances, 2022, 12, 17096-17103.	3.6	1
82	Synthesis and Anticonvulsant Activity of New 2-Substituted-5-[2-(2-fluorophenoxy)phenyl]-1,3,4-oxadiazoles and 1,2,4-Triazoles.. ChemInform, 2005, 36, no.	0.0	0
83	Synthesis and Anticonvulsant Activity of New 2-Substituted-5-(2-benzyloxyphenyl)-1,3,4-oxadiazoles.. ChemInform, 2005, 36, no.	0.0	0
84	Design and Synthesis of New 2-Substituted-5-(2-benzylthiophenyl)-1,3,4-oxadiazoles as Benzodiazepine Receptor Agonists.. ChemInform, 2005, 36, no.	0.0	0
85	High-performance thin-layer chromatography fingerprinting, total phenolic and total flavonoid contents and anti-platelet-aggregation activities of Prosopis farcta extracts. Cellular and Molecular Biology, 2020, 66, 8-14.	0.9	0
86	Novel norsufentanil analogues containing triazole ring; synthesis, radioligand binding assay, and pharmacological evaluation. Medicinal Chemistry Research, 0, , 1.	2.4	0
87	Novel Derivatives of diphenyl-1,3,4-oxadiazol as Ligands of Benzodiazepine Receptors; Synthesize, Binding Assay and Pharmacological Evaluation.. Iranian Journal of Pharmaceutical Research, 2021, 20, 47-58.	0.5	0