

# Omid Sabzevari

## List of Publications by Year in descending order

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76  
papers

2,732  
citations

218677

26  
h-index

182427

51  
g-index

81  
all docs

81  
docs citations

81  
times ranked

4139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prooxidant activity and cellular effects of the phenoxyl radicals of dietary flavonoids and other polyphenolics. <i>Toxicology</i> , 2002, 177, 91-104.	4.2	467
2	Biochemical evidence for free radical-induced lipid peroxidation as a mechanism for subchronic toxicity of malathion in blood and liver of rats. <i>Human and Experimental Toxicology</i> , 2003, 22, 205-211.	2.2	284
3	Biosynthesis and recovery of selenium nanoparticles and the effects on matrix metalloproteinase expression. <i>Biotechnology and Applied Biochemistry</i> , 2010, 56, 7-15.	3.1	151
4	Acute and subacute toxicity of novel biogenic selenium nanoparticles in mice. <i>Pharmaceutical Biology</i> , 2013, 51, 58-63.	2.9	146
5	Idiosyncratic NSAID drug induced oxidative stress. <i>Chemico-Biological Interactions</i> , 2002, 142, 25-41.	4.0	115
6	Molecular cytotoxic mechanisms of anticancer hydroxychalcones. <i>Chemico-Biological Interactions</i> , 2004, 148, 57-67.	4.0	114
7	A Retrospective Study of Poisoning in Tehran. <i>Journal of Toxicology: Clinical Toxicology</i> , 1997, 35, 387-393.	1.5	105
8	Differentiation of bovine and porcine gelatins using principal component analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 34, 485-492.	2.8	88
9	Impact of Gold Nanoparticles on Amyloid $\beta$ -Induced Alzheimer's Disease in a Rat Animal Model: Involvement of STIM Proteins. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2299-2309.	3.5	74
10	Comparative study of in vitro prooxidative properties and genotoxicity induced by aflatoxin B1 and its laccase-mediated detoxification products. <i>Chemosphere</i> , 2015, 135, 1-6.	8.2	66
11	Biofunctionalized peptide-based hydrogel as an injectable scaffold for BDNF delivery can improve regeneration after spinal cord injury. <i>Injury</i> , 2019, 50, 278-285.	1.7	65
12	Acetyl-L-carnitine attenuates arsenic-induced liver injury by abrogation of mitochondrial dysfunction, inflammation, and apoptosis in rats. <i>Environmental Toxicology and Pharmacology</i> , 2018, 58, 11-20.	4.0	62
13	Chronic morphine treatment induces oxidant and apoptotic damage in the mice liver. <i>Life Sciences</i> , 2006, 79, 972-980.	4.3	60
14	Sublethal exposures of diazinon alters glucose homostasis in Wistar rats: Biochemical and molecular evidences of oxidative stress in adipose tissues. <i>Pesticide Biochemistry and Physiology</i> , 2013, 105, 57-61.	3.6	58
15	Protective role of thymoquinone against paraquat-induced hepatotoxicity in mice. <i>Pesticide Biochemistry and Physiology</i> , 2018, 148, 16-21.	3.6	46
16	Ellagic acid reduces methotrexate-induced apoptosis and mitochondrial dysfunction via up-regulating Nrf2 expression and inhibiting the I $\kappa$ B/NF $\kappa$ B in rats. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2019, 27, 721-733.	2.0	45
17	Effects of phloretin on oxidative and inflammatory reaction in rat model of cecal ligation and puncture induced sepsis. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2016, 24, 15.	2.0	44
18	New tacrine-derived AChE/BuChE inhibitors: Synthesis and biological evaluation of 5-amino-2-phenyl-4H-pyrano[2,3-b]quinoline-3-carboxylates. <i>European Journal of Medicinal Chemistry</i> , 2017, 128, 237-246.	5.5	41

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19	Synthesis and characterization of novel <sup>99m</sup> Tc-DGC nano-complexes for improvement of heart diagnostic. <i>Bioorganic Chemistry</i> , 2020, 96, 103572.	4.1	41
20	Acetyl-L-Carnitine Attenuates Arsenic-Induced Oxidative Stress and Hippocampal Mitochondrial Dysfunction. <i>Biological Trace Element Research</i> , 2018, 184, 422-435.	3.5	39
21	Effect of Acetyl-L-Carnitine on Antioxidant Status, Lipid Peroxidation, and Oxidative Damage of Arsenic in Rat. <i>Biological Trace Element Research</i> , 2016, 171, 107-115.	3.5	38
22	Benefit of nanocarrier of magnetic magnesium in rat malathion-induced toxicity and cardiac failure using non-invasive monitoring of electrocardiogram and blood pressure. <i>Toxicology and Industrial Health</i> , 2011, 27, 417-429.	1.4	36
23	Potentiating role of copper on spatial memory deficit induced by beta amyloid and evaluation of mitochondrial function markers in the hippocampus of rats. <i>Metallomics</i> , 2017, 9, 969-980.	2.4	34
24	Evaluation of the teratogenicity of fennel essential oil (FEO) on the rat embryo limb buds culture. <i>Toxicology in Vitro</i> , 2004, 18, 623-627.	2.4	29
25	Occurrence of melamine contamination in powder and liquid milk in market of Iran. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 413-420.	2.3	29
26	Effects of protein kinase A and G inhibitors on hippocampal cholinergic markers expressions in rolipram- and sildenafil-induced spatial memory improvement. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 101, 311-319.	2.9	27
27	Improvement single-wall carbon nanotubes (SWCNTs) based on functionalizing with monomers 2-hydroxyethylmethacrylate (HEMA) and N-vinylpyrrolidone (NVP) for pharmaceutical applications as cancer therapy. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2895-2900.	5.8	27
28	Technetium-99m chelator-free radiolabeling of specific glutamine tumor imaging nanoprobe: in vitro and in vivo evaluations. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4671-4683.	6.7	27
29	Effects of <i>Cymbopogon citratus</i> and <i>Ferula assa-foetida</i> extracts on glutamate-induced neurotoxicity. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013, 49, 706-715.	1.5	26
30	A rechargeable drug delivery system based on pNIPAM hydrogel for the local release of curcumin. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51167.	2.6	23
31	<sup>99m</sup> Tc-radiolabeled GE11-modified peptide for ovarian tumor targeting. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2017, 25, 13.	2.0	20
32	Application of a simple and sensitive GC/MS method for determination of morphine in the hair of opium abusers. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 120-124.	3.7	19
33	β-Sitosterol Alters the Inflammatory Response in CLP Rat Model of Sepsis by Modulation of NF-κB Signaling. <i>BioMed Research International</i> , 2021, 2021, 1-11.	1.9	19
34	Bisphenol-A in biological samples of breast cancer mastectomy and mammoplasty patients and correlation with levels measured in urine and tissue. <i>Scientific Reports</i> , 2021, 11, 18411.	3.3	18
35	Monomethyl fumarate alleviates sepsis-induced hepatic dysfunction by regulating TLR-4/NF-κB signalling pathway. <i>Life Sciences</i> , 2018, 215, 152-158.	4.3	16
36	Preparation and radiolabeling of a lyophilized (kit) formulation of DOTA-rituximab with <sup>90</sup> Y and <sup>111</sup> In for domestic radioimmunotherapy and radioscinigraphy of Non-Hodgkin's Lymphoma. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2014, 22, 58.	2.0	14

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37	177Lu-labeled cyclic RGD peptide as an imaging and targeted radionuclide therapeutic agent in non-small cell lung cancer: Biological evaluation and preclinical study. <i>Bioorganic Chemistry</i> , 2020, 102, 104100.	4.1	14
38	HYNIC a bifunctional prosthetic group for the labelling of peptides with 99mTc and 18FDG. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 1125-1134.	1.5	12
39	Design, synthesis, radiolabeling and biological evaluation of new urea-based peptides targeting prostate specific membrane antigen. <i>Bioorganic Chemistry</i> , 2020, 99, 103743.	4.1	12
40	Comparative induction of cytochrome P4504A in rat hepatocyte culture by the peroxisome proliferators, bifonazole and clofibrate. <i>Xenobiotica</i> , 1995, 25, 395-403.	1.1	11
41	Radiosynthesis, Biological Evaluation, and Preclinical Study of a <sup>68</sup> Ga-Labeled Cyclic RGD Peptide as an Early Diagnostic Agent for Overexpressed $\alpha_3\beta_1$ Integrin Receptors in Non-Small-Cell Lung Cancer. <i>Contrast Media and Molecular Imaging</i> , 2020, 2020, 1-11.	0.8	11
42	99mTc labeled HYNIC-EDDA/tricine-GE11 peptide as a successful tumor targeting agent. <i>Medicinal Chemistry Research</i> , 2018, 27, 890-902.	2.4	10
43	Design, preparation and biological evaluation of a 177Lu-labeled somatostatin receptor antagonist for targeted therapy of neuroendocrine tumors. <i>Bioorganic Chemistry</i> , 2020, 94, 103381.	4.1	10
44	Synthesis, biological evaluation and preclinical study of a novel 99mTc-peptide: A targeting probe of amyloid- $\beta$ plaques as a possible diagnostic agent for Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2020, 99, 103857.	4.1	10
45	Protective Activity of <i>Fumaria vaillantii</i> Extract and Monomethyl Fumarate on Acetaminophen Induced Hepatotoxicity in Mice. <i>International Journal of Pharmacology</i> , 2012, 8, 177-184.	0.3	10
46	Development of a <sup>99m</sup> Tc-Labeled CXCR4 Antagonist Derivative as a New Tumor Radiotracer. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2018, 33, 17-24.	1.0	9
47	18FDG-labeled LIKKPF: a PET tracer for apoptosis imaging. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 413-421.	1.5	8
48	Synthesis and evaluation of a 99m Tc-labeled chemokine receptor antagonist peptide for imaging of chemokine receptor expressing tumors. <i>Nuclear Medicine and Biology</i> , 2017, 54, 10-17.	0.6	8
49	Ethanol Extract of <i>Crataegus oxyacantha</i> L. Ameliorate Dietary Non-Alcoholic Fatty Liver Disease in Rat. <i>Drug Research</i> , 2018, 68, 553-559.	1.7	8
50	Aqueous Extract of Iranian Green Tea Prevents Lipid Peroxidation and Chronic Ethanol Liver Toxicity in Rat. <i>Journal of Pharmacology and Toxicology</i> , 2011, 6, 691-700.	0.2	8
51	Influence of reducing agents on in situ synthesis of gold nanoparticles and scaffold conductivity with emphasis on neural differentiation. <i>Materials Science and Engineering C</i> , 2022, 134, 112634.	7.3	8
52	Phloretin and hydroxychalcones hepatoprotective activity against acetaminophen-induced liver damage in mice. <i>Toxicology Letters</i> , 2010, 196, S213.	0.8	7
53	Bifonazole, but not the structurally-related clotrimazole, induces both peroxisome proliferation and members of the cytochrome P4504A sub-family in rat liver. <i>Toxicology</i> , 1996, 106, 19-26.	4.2	6
54	Development of [ <sup>62</sup> Zn/ <sup>62</sup> Cu]-DOTA-rituximab as a possible novel in vivo PET generator for anti-CD20 antigen imaging. <i>Radiochimica Acta</i> , 2014, .	1.2	5

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55	Design, Synthesis, Radiolabeling, and Biologic Evaluation of Three 18F-FDG-Radiolabeled Targeting Peptides for the Imaging of Apoptosis. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2019, 34, 271-279.	1.0	5
56	L Latex: Possible Chemo-Preventive, Apoptotic Activity and Safety Assessment. <i>Iranian Journal of Pharmaceutical Research</i> , 2020, 19, 231-240.	0.5	5
57	Facile and Rapid Synthesis of Some Crown Ethers Under Microwave Irradiation. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2006, 181, 803-807.	1.6	4
58	The Ameliorative Effect of Monomethyl Fumarate and Silymarin Against Valproic Acid Induced Hepatotoxicity in Rats. <i>Pharmaceutical Chemistry Journal</i> , 2021, 55, 240-245.	0.8	4
59	Synthesis, Radiolabeling, and Biological Evaluation of Peptide LIKKPF Functionalized with HYNIC as Apoptosis Imaging Agent. <i>Iranian Journal of Pharmaceutical Research</i> , 2016, 15, 415-24.	0.5	4
60	Is FTIR-ATR a sensitive tool for determination of aflatoxins?. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2004, 81, 719-720.	1.9	3
61	The Situation of Small Molecules Targeting Key Proteins in combatting SARS-CoV-2: Synthesis, Metabolic Pathway, Mechanism of Action, and Potential Therapeutic Applications. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, 273-311.	2.4	3
62	Synthesis, radiolabelling, and biological assessment of folic acid-conjugated $^{99m}\text{Tc}$ -dendrimer as the breast cancer molecular imaging agent. <i>IET Nanobiotechnology</i> , 2020, 14, 628-634.	3.8	3
63	Novel and Efficient Method for Solid Phase Synthesis of Urea-Containing Peptides Targeting Prostate Specific Membrane Antigen (PSMA) in Comparison with Current Methods. <i>Iranian Journal of Pharmaceutical Research</i> , 2018, 17, 917-926.	0.5	3
64	Analysis of aflatoxin B1 in human hair samples. <i>Toxicology Letters</i> , 2006, 164, S233.	0.8	2
65	Polyamide/nano Mixed Matrix Membranes for Pervaporation Dehydration Ethylene Glycols. <i>Oriental Journal of Chemistry</i> , 2015, 31, 1091-1098.	0.3	2
66	Cytotoxic Activity and DNA Binding Property of New Aminopyrimidine Derivatives. <i>Letters in Drug Design and Discovery</i> , 2020, 17, 640-654.	0.7	2
67	Preclinical study of a new Lu-labeled somatostatin receptor antagonist in HT-29 human colorectal cancer cells. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2020, 8, 109-115.	0.1	2
68	Microwave-assisted fast and efficient synthesis of some crown ethers. <i>Chinese Chemical Letters</i> , 2009, 20, 924-926.	9.0	1
69	Effects of Teratogenic Drugs on CYP1A1 Activity in Differentiating Rat Embryo Cells. <i>Drug Research</i> , 2015, 65, 238-243.	1.7	1
70	Protective Role of EGCG Against Malathion Induced Genotoxicity Using Human Lymphocytes. <i>Drug Research</i> , 2020, 70, 360-366.	1.7	1
71	Breast Tumor Targeting in Mice Bearing 4T1 Tumor with Labeled CXCR4 Antagonist Analogue. <i>International Journal of Peptide Research and Therapeutics</i> , 0, , 1.	1.9	1
72	Modification of the alginate hydrogel with fibroblast- and Schwann cell-derived extracellular matrix potentiates differentiation of mesenchymal stem cells toward neuron-like cells. <i>Journal of Applied Polymer Science</i> , 0, , .	2.6	1

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73	Effect of nasturtium officinale plant on TGF $\beta$ 21 and c-Myc gene expressions in liver tissue of rats intoxicated with acetaminophen. Toxicology Letters, 2011, 205, S182.	0.8	0
74	Protective effect of thymoquinone against liver toxicity induced by aflatoxin B1 in mice. Toxicology Letters, 2011, 205, S275-S276.	0.8	0
75	Development of a validated liquid chromatography method for the simultaneous determination of water soluble vitamins in food supplements and pharmaceutical dosage Forms with ultra-violet detection. Biosciences, Biotechnology Research Asia, 2012, 9, 165-171.	0.5	0
76	A Comparative Study of Two Novel Nanosized Radiolabeled Analogues of Methionine for SPECT Tumor Imaging. Current Medicinal Chemistry, 2012, 20, 123-133.	2.4	0