

# Ali Sharafi

## List of Publications by Year in descending order

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74  
papers

1,754  
citations

279798

23  
h-index

315739

38  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2079  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bovine Serum Albumin (BSA) coated iron oxide magnetic nanoparticles as biocompatible carriers for curcumin-anticancer drug. <i>Bioorganic Chemistry</i> , 2018, 76, 501-509.	4.1	217
2	Niosome: A Promising Nanocarrier for Natural Drug Delivery through Blood-Brain Barrier. <i>Advances in Pharmacological Sciences</i> , 2018, 2018, 1-15.	3.7	105
3	CRISPR Systems for COVID-19 Diagnosis. <i>ACS Sensors</i> , 2021, 6, 1430-1445.	7.8	100
4	Enhanced production of hyoscyamine and scopolamine from genetically transformed root culture of <i>Hyoscyamus reticulatus</i> L. elicited by iron oxide nanoparticles. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2017, 53, 104-111.	2.1	93
5	Sulforaphane delivery using mPEG-PCL co-polymer nanoparticles to breast cancer cells. <i>Pharmaceutical Development and Technology</i> , 2017, 22, 642-651.	2.4	88
6	PAMAM-modified citric acid-coated magnetic nanoparticles as pH sensitive biocompatible carrier against human breast cancer cells. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1377-1384.	2.0	61
7	Influence of nano-zinc oxide on tropane alkaloid production, <i>h6h</i> gene transcription and antioxidant enzyme activity in <i>Hyoscyamus reticulatus</i> L. hairy roots. <i>Engineering in Life Sciences</i> , 2019, 19, 73-89.	3.6	54
8	Poly(caprolactone)-poly(ethylene glycol)-poly(caprolactone) (PCL-PEG-PCL) nanoparticles: a valuable and efficient system for in vitro and in vivo delivery of curcumin. <i>RSC Advances</i> , 2016, 6, 14403-14415.	3.6	51
9	Enhanced flavonoid production in hairy root cultures of <i>Scutellaria bornmuelleri</i> by elicitor induced over-expression of MYB7 and FNS2 genes. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 35-44.	5.8	50
10	A reliable and efficient protocol for inducing hairy roots in <i>Papaver bracteatum</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 113, 1-9.	2.3	47
11	Hairy root induction and plant regeneration of medicinal plant <i>Dracocephalum kotschyi</i> . <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 257-262.	3.1	42
12	Co <sup>1</sup> XZnFe <sub>2</sub> O <sub>4</sub> based nanocarriers for dual-targeted anticancer drug delivery: Synthesis, characterization and in vivo and in vitro biocompatibility study. <i>Journal of Molecular Liquids</i> , 2019, 274, 60-67.	4.9	42
13	Pharmacokinetics and in vitro and in vivo delivery of sulforaphane by PCL-PEG-PCL copolymeric-based micelles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1728-1739.	2.8	41
14	Hybrid of niosomes and bio-synthesized selenium nanoparticles as a novel approach in drug delivery for cancer treatment. <i>Molecular Biology Reports</i> , 2020, 47, 6517-6529.	2.3	40
15	In vivo and in vitro biocompatibility study of novel microemulsion hybridized with bovine serum albumin as nanocarrier for drug delivery. <i>Heliyon</i> , 2019, 5, e01858.	3.2	38
16	Prodrug Polymeric Nanoconjugates Encapsulating Gold Nanoparticles for Enhanced X-Ray Radiation Therapy in Breast Cancer. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102321.	7.6	38
17	Metabolic engineering of morphinan alkaloids by over-expression of codeinone reductase in transgenic hairy roots of <i>Papaver bracteatum</i> , the Iranian poppy. <i>Biotechnology Letters</i> , 2013, 35, 445-453.	2.2	37
18	Enhanced morphinan alkaloid production in hairy root cultures of <i>Papaver bracteatum</i> by over-expression of salutaridinol 7-o-acetyltransferase gene via <i>Agrobacterium rhizogenes</i> mediated transformation. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 2125-2131.	3.6	34

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19	Amphiphilic Y shaped miktoarm star copolymer for anticancer hydrophobic and hydrophilic drugs codelivery: Synthesis, characterization, <i>in vitro</i> , and <i>in vivo</i> biocompatibility study. Journal of Biomedical Materials Research - Part A, 2018, 106, 2817-2826.	4.0	32
20	NANOG Decoy Oligodeoxynucleotide-Encapsulated Niosomes Nanocarriers: A Promising Approach to Suppress the Metastatic Properties of U87 Human Glioblastoma Multiforme Cells. ACS Chemical Neuroscience, 2020, 11, 4499-4515.	3.5	29
21	A reliable and efficient protocol for inducing genetically transformed roots in medicinal plant <i>Nepeta pogonosperma</i> . Physiology and Molecular Biology of Plants, 2014, 20, 351-356.	3.1	27
22	Microemulsion and bovine serum albumin nanoparticles as a novel hybrid nanocarrier system for efficient multifunctional drug delivery. Journal of Biomedical Materials Research - Part A, 2020, 108, 1688-1702.	4.0	26
23	The role of miktoarm star copolymers in drug delivery systems. Journal of Macromolecular Science - Pure and Applied Chemistry, 2018, 55, 559-571.	2.2	24
24	<i>In vivo</i> and <i>in vitro</i> biocompatibility study of MnFe <sub>2</sub> O <sub>4</sub> and Cr <sub>2</sub> Fe <sub>6</sub> O <sub>12</sub> as photosensitizer for photodynamic therapy and drug delivery of anti-cancer drugs. Drug Development and Industrial Pharmacy, 2020, 46, 846-851.	2.0	22
25	<i>In vitro</i> regeneration and transient expression of recombinant sesquiterpene cyclase (SQC) in <i>Artemisia annua</i> L. South African Journal of Botany, 2016, 104, 225-231.	2.5	20
26	Thidiazuron induced efficient <i>in vitro</i> organogenesis and regeneration of <i>Scutellaria bornmuelleri</i> : an important medicinal plant. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2019, 55, 133-138.	2.1	19
27	Cholesterol-conjugated bovine serum albumin nanoparticles as a tamoxifen tumor-targeted delivery system. Cell Biology International, 2020, 44, 2485-2498.	3.0	19
28	<i>In vitro</i> regeneration and Agrobacterium mediated genetic transformation of <i>Artemisia aucheri</i> Boiss. Physiology and Molecular Biology of Plants, 2014, 20, 487-494.	3.1	17
29	Neuroprotective Effect of Apigenin on Depressive-Like Behavior: Mechanistic Approach. Neurochemical Research, 2022, 47, 644-655.	3.3	17
30	Cell Suspension Culture of <i>Plumbago europaea</i> L. Towards Production of Plumbagin. Iranian Journal of Biotechnology, 2019, 17, 46-54.	0.3	16
31	The effect of baicalein-loaded Y-shaped miktoarm copolymer on spatial memory and hippocampal expression of DHCR24, SELADIN and SIRT6 genes in rat model of Alzheimer. International Journal of Pharmaceutics, 2020, 586, 1195-46.	5.2	16
32	Biogenic and facile synthesis of selenium nanoparticles using <i>Vaccinium arctostaphylos</i> L. fruit extract and anticancer activity against <i>in vitro</i> model of breast cancer. Cell Biology International, 2022, 46, 1612-1624.	3.0	16
33	The Effect of Calcination Temperature on the Anticancer Activity of CaFe <sub>2</sub> O <sub>4</sub> @PVA Nanocarriers: Photodynamic Therapy and Drug Delivery Study. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 5261-5269.	3.7	13
34	Selegiline (L-Deprenyl) Mitigated Oxidative Stress, Cognitive Abnormalities, and Histopathological Change in Rats: Alternative Therapy in Transient Global Ischemia. Journal of Molecular Neuroscience, 2020, 70, 1639-1648.	2.3	13
35	Genetic variation assessment of acid lime accessions collected from south of Iran using SSR and ISSR molecular markers. Physiology and Molecular Biology of Plants, 2016, 22, 87-95.	3.1	12
36	Toxicological assessment of 3-chloropropane-1,2-diol (3-MCPD) as a main contaminant of foodstuff in three different <i>in vitro</i> models: Involvement of oxidative stress and cell death signaling pathway. Journal of Food Science, 2020, 85, 4061-4069.	3.1	12

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37	Induction of two independent immunological cell death signaling following hemoglobinuria -induced acute kidney injury: In vivo study. <i>Toxicol</i> , 2019, 163, 23-31.	1.6	10
38	Preparation of bismuth sulfide nanoparticles as targeted biocompatible nano- $\gamma$ -radiosensitizer and carrier of methotrexate. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5251.	3.5	10
39	HPLC-DAD-ESI/MS <sup>n</sup> analysis of phenolic components of <i>Scutellaria araxensis</i> , <i>S. bornmuelleri</i> and <i>S. orientalis</i> . <i>Natural Product Research</i> , 2022, 36, 2440-2445.	1.8	10
40	Improving the anti-cancer activity of quercetin-loaded AgFeO <sub>2</sub> through UV irradiation: Synthesis, characterization, and in vivo and in vitro biocompatibility study. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101645.	3.0	10
41	Effect of Colloidal Aqueous Solution of Fullerene (C <sub>60</sub> ) in the Presence of a P-Glycoprotein Inhibitor (Verapamil) on Spatial Memory and Hippocampal Expression of Sirtuin6, SELADIN1, and AQP1 Genes in a Rat Model of Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2549-2565.	3.5	10
42	<i>Scutellaria orientalis</i> subsp. <i>Bornmuelleri</i> : phytochemical composition and biological activities. <i>Natural Product Research</i> , 2022, 36, 1385-1390.	1.8	10
43	The protective effects of <i>Ziziphora tenuior</i> L. against chlorpyrifos induced toxicity: Involvement of inflammatory and cell death signaling pathways. <i>Journal of Ethnopharmacology</i> , 2021, 272, 113959.	4.1	10
44	Efficient in vitro organogenesis, micropropagation, and plumbagin production in <i>Plumbago europaea</i> L.. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2021, 57, 820-830.	2.1	10
45	<i>Cannabis sativa</i> L. genetically transformed root based culture via <i>Agrobacterium rhizogenes</i> . <i>Pharmaceutical and Biomedical Research</i> , 2016, 2, 13-18.	0.2	10
46	Targeted drug delivery via folate decorated nanocarriers based on linear polymer for treatment of breast cancer. <i>Pharmaceutical Development and Technology</i> , 2022, 27, 19-24.	2.4	10
47	Simultaneous determination of baicalein, chrysin and wogonin in four Iranian <i>Scutellaria</i> species by high performance liquid chromatography. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2020, 16, 100232.	1.5	9
48	Potential of the genetically transformed root cultures of <i>Plumbago europaea</i> for biomass and plumbagin production. <i>Biotechnology Progress</i> , 2020, 36, e2905.	2.6	8
49	Establishment and elicitation of transgenic root culture of <i>Plantago lanceolata</i> and evaluation of its anti-bacterial and cytotoxicity activity. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 207-224.	1.9	8
50	Immuno-informatics analysis and expression of a novel multi-domain antigen as a vaccine candidate against glioblastoma. <i>International Immunopharmacology</i> , 2021, 91, 107265.	3.8	8
51	An Optimized Protocol for <i>Agrobacterium rhizogenes</i> -Mediated Genetic Transformation of <i>Citrullus colocynthis</i> . <i>Journal of Applied Biotechnology Reports</i> , 2019, 6, 113-117.	0.9	8
52	Silver nitrate and adenine sulphate induced high regeneration frequency in the recalcitrant plant <i>Cosmos bipinnatus</i> using cotyledon explants. <i>Journal of Horticultural Science and Biotechnology</i> , 2018, 93, 204-208.	1.9	7
53	Enzymatic hydrolysis of inulin by an immobilized extremophilic inulinase from the halophile bacterium <i>Alkalibacillus filiformis</i> . <i>Carbohydrate Research</i> , 2019, 483, 107746.	2.3	7
54	The effects of <i>Hemiscorpius lepturus</i> induced-acute kidney injury on PGC-1 $\beta$ gene expression: From induction to suppression in mice. <i>Toxicol</i> , 2020, 174, 57-63.	1.6	7

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55	Clavulanic Acid: A Novel Potential Agent in Prevention and Treatment of Scopolamine-Induced Alzheimer's Disease. ACS Omega, 2022, 7, 13861-13869.	3.5	7
56	Preparation and Evaluation of pH Sensitive Novel Anticancer Drug Carrier Based on Magnetic Chitosan Quartets. Drug Research, 2019, 69, 496-504.	1.7	6
57	The role of PGC-1 $\alpha$ and metabolic signaling pathway in kidney injury following chronic administration with 3-MCPD as a food processing contaminant. Journal of Food Biochemistry, 2021, 45, e13744.	2.9	6
58	Development of a High-Resolution Melting Analysis Method for CYP2C19*17 Genotyping in Healthy Volunteers. Avicenna Journal of Medical Biotechnology, 2016, 8, 193-199.	0.3	6
59	Chemical Composition and Antimicrobial Activity of Scutellaria araxensis Essential Oil from Iran. Chemistry of Natural Compounds, 2020, 56, 745-747.	0.8	5
60	Non-viral Suicide Gene Therapy: Cytosine Deaminase Gene Directed by VEGF Promoter and 5-fluorocytosine as a Gene Directed Enzyme/prodrug System in Breast Cancer Model. Drug Research, 2021, 71, 395-406.	1.7	4
61	Study of tissue culture and in vitro organogenesis of Scutellaria bornmuelleri using benzylaminopurine, Isopentenyl adenine and thidiazuron. South African Journal of Botany, 2021, 139, 458-469.	2.5	4
62	Genetically Transformed Root-Based Culture Technology in Medicinal Plant Cosmos bipinnatus. Jundishapur Journal of Natural Pharmaceutical Products, 2018, 13, .	0.6	4
63	Fractional analysis of dichloromethane extract of <i>Scutellaria araxensis</i> Grossh root and shoot by HPLC-PDA-ESI-MS. Natural Product Research, 2022, 36, 4031-4035.	1.8	3
64	In vitro regeneration and secondary metabolites of Viola caspia subsp. sylvestrioides Marcussen. Biotechnologia, 2019, 100, 407-415.	0.9	3
65	Mesenchymal Stem Cells: A New Generation of Therapeutic Agents as Vehicles in Gene Therapy. Current Gene Therapy, 2020, 20, 269-284.	2.0	3
66	In vitro elicitation and detection of apigenin, catalpol and gallic acid in hairy root culture of <i>Plantago major</i> L. and assessment of cytotoxicity and anti-bacterial activity of its methanolic extract. Natural Product Research, 2022, , 1-5.	1.8	3
67	Establishment of in vitro genetically engineered cultures in Scutellaria orientalis and S. araxensis. Biologia (Poland), 2020, 75, 2383-2393.	1.5	2
68	Suicide gene therapy-mediated purine nucleoside phosphorylase/fludarabine system for in vitro breast cancer model with emphasis on evaluation of vascular endothelial growth factor promoter efficacy. 3 Biotech, 2021, 11, 140.	2.2	2
69	Phytochemical screening and Cytotoxicity assessment of Plantago lanceolata L. root extracts on Colorectal cancer cell lines and Brine shrimp larvae and determination of the median lethal dose in mice. South African Journal of Botany, 2022, 149, 740-747.	2.5	2
70	Involvement of necroptosis and ferroptosis pathway signaling in Hemiscorpius lepturus venom-induced acute kidney injury. Toxicon, 2019, 159, S10.	1.6	1
71	Anti-Proliferative Properties, Biocompatibility, and Chemical Composition of Different Extracts of Plantago major Medicinal Plant. Iranian Biomedical Journal, 2021, 25, 116-117.	0.7	1
72	Green Synthesized Silver Nanostructure Using Rhus coriaria Fruit Extract Inhibits the Growth of Malignant MCF-7 Cell Line. Brazilian Archives of Biology and Technology, 0, 64, .	0.5	1

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73	In vivo study of miktoarm star copolymers as a promising nanocarrier to transfer hydrophobic chemotherapeutic agents to breast cancer tumor. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 74, 103500.	3.0	1
74	A recently developed approach in tumor therapy using Salmonella. <i>Biotechnologia</i> , 2020, 101, 253-267.	0.9	0