

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	HPLC-DAD-ESI/MS ⁿ analysis of phenolic components of <i>Scutellaria araxensis</i> , <i>S. bornmuelleri</i> and <i>S. orientalis</i> . Natural Product Research, 2022, 36, 2440-2445.	1.8	10
2	<i>Scutellaria orientalis</i> subsp. <i>Bornmuelleri</i> : phytochemical composition and biological activities. Natural Product Research, 2022, 36, 1385-1390.	1.8	10
3	Fractional analysis of dichloromethane extract of <i>Scutellaria araxensis</i> Grossh root and shoot by HPLC-PDA-ESI-MS ⁿ . Natural Product Research, 2022, 36, 4031-4035.	1.8	3
4	Neuroprotective Effect of Apigenin on Depressive-Like Behavior: Mechanistic Approach. Neurochemical Research, 2022, 47, 644-655.	3.3	17
5	Prodrug Polymeric Nanoconjugates Encapsulating Gold Nanoparticles for Enhanced X-Ray Radiation Therapy in Breast Cancer. Advanced Healthcare Materials, 2022, 11, e2102321.	7.6	38
6	Targeted drug delivery via folate decorated nanocarriers based on linear polymer for treatment of breast cancer. Pharmaceutical Development and Technology, 2022, 27, 19-24.	2.4	10
7	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
8	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
9	In vivo study of miktoarm star copolymers as a promising nanocarrier to transfer hydrophobic chemotherapeutic agents to breast cancer tumor. Journal of Drug Delivery Science and Technology, 2022, 74, 103500.	3.0	1
10	Biogenic and facile synthesis of selenium nanoparticles using <i>Vaccinium arctostaphylos</i> L. fruit extract and anticancer activity against in vitro model of breast cancer. Cell Biology International, 2022, 46, 1612-1624.	3.0	16
11	Phytochemical screening and Cytotoxicity assessment of <i>Plantago lanceolata</i> 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
12	Establishment and elicitation of transgenic root culture of <i>Plantago lanceolata</i> and evaluation of its anti-bacterial and cytotoxicity activity. Preparative Biochemistry and Biotechnology, 2021, 51, 207-224.	1.9	8
13	CRISPR Systems for COVID-19 Diagnosis. ACS Sensors, 2021, 6, 1430-1445.	7.8	100
14	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
15	Immuno-informatics analysis and expression of a novel multi-domain antigen as a vaccine candidate against glioblastoma. International Immunopharmacology, 2021, 91, 107265.	3.8	8
16	Anti-Proliferative Properties, Biocompatibility, and Chemical Composition of Different Extracts of <i>Plantago major</i> Medicinal Plant. Iranian Biomedical Journal, 2021, 25, 116-117.	0.7	1
17	The role of PGC α 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
18	The protective effects of <i>Ziziphora tenuior</i> L. against chlorpyrifos induced toxicity: Involvement of inflammatory and cell death signaling pathways. Journal of Ethnopharmacology, 2021, 272, 113959.	4.1	10

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19	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. <i>Drug Research</i> , 2021, 71, 395-406.	1.7	4
20	Study of tissue culture and in vitro organogenesis of <i>Scutellaria bornmuelleri</i> using benzylaminopurine, Isopentenyl adenine and thidiazuron. <i>South African Journal of Botany</i> , 2021, 139, 458-469.	2.5	4
21	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
22	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
23	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
24	Preparation of bismuth sulfide nanoparticles as targeted biocompatible nano-radiosensitizer and carrier of methotrexate. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5251.	3.5	10
25	Enhanced flavonoid production in hairy root cultures of <i>Scutellaria bornmuelleri</i> by elicitor induced over-expression of MYB7 and FNSD γ 2 genes. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 35-44.	5.8	50
26	The effects of <i>Hemiscorpius lepturus</i> induced-acute kidney injury on PGC-1 α gene expression: From induction to suppression in mice. <i>Toxicol</i> , 2020, 174, 57-63.	1.6	7
27	Toxicological assessment of 3-monochloropropane-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. <i>Journal of Food Science</i> , 2020, 85, 4061-4069.	3.1	12
28	NANOG Decoy Oligodeoxynucleotide-Encapsulated Niosomes Nanocarriers: A Promising Approach to Suppress the Metastatic Properties of U87 Human Glioblastoma Multiforme Cells. <i>ACS Chemical Neuroscience</i> , 2020, 11, 4499-4515.	3.5	29
29	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
30	Chemical Composition and Antimicrobial Activity of <i>Scutellaria araxensis</i> Essential Oil from Iran. <i>Chemistry of Natural Compounds</i> , 2020, 56, 745-747.	0.8	5
31	The Effect of Calcination Temperature on the Anticancer Activity of CaFe ₂ O ₄ @PVA Nanocarriers: Photodynamic Therapy and Drug Delivery Study. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 5261-5269.	3.7	13
32	Cholesterol-conjugated bovine serum albumin nanoparticles as a tamoxifen tumor-targeted delivery system. <i>Cell Biology International</i> , 2020, 44, 2485-2498.	3.0	19
33	Selegiline (L-Deprenyl) Mitigated Oxidative Stress, Cognitive Abnormalities, and Histopathological Change in Rats: Alternative Therapy in Transient Global Ischemia. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 1639-1648.	2.3	13
34	Microemulsion and bovine serum albumin nanoparticles as a novel hybrid nanocarrier system for efficient multifunctional drug delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1688-1702.	4.0	26
35	Improving the anti-cancer activity of quercetin-loaded AgFeO ₂ 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
36	Establishment of in vitro genetically engineered cultures in <i>Scutellaria orientalis</i> and <i>S. araxensis</i> . <i>Biologia (Poland)</i> , 2020, 75, 2383-2393.	1.5	2

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37	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. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119546.	5.2	16
38	Effect of Colloidal Aqueous Solution of Fullerene (C60) 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
39	<i>In vivo</i> and <i>in vitro</i> biocompatibility study of MnFe ₂ O ₄ and Cr ₂ Fe ₆ O ₁₂ as photosensitizer for photodynamic therapy and drug delivery of anti-cancer drugs. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 846-851.	2.0	22
40	A recently developed approach in tumor therapy using Salmonella. <i>Biotechnologia</i> , 2020, 101, 253-267.	0.9	0
41	Mesenchymal Stem Cells: A New Generation of Therapeutic Agents as Vehicles in Gene Therapy. <i>Current Gene Therapy</i> , 2020, 20, 269-284.	2.0	3
42	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
43	Cell Suspension Culture of <i>Plumbago europaea</i> L. Towards Production of Plumbagin. <i>Iranian Journal of Biotechnology</i> , 2019, 17, 46-54.	0.3	16
44	<i>In vivo</i> and <i>in vitro</i> biocompatibility study of novel microemulsion hybridized with bovine serum albumin as nanocarrier for drug delivery. <i>Heliyon</i> , 2019, 5, e01858.	3.2	38
45	Involvement of necroptosis and ferroptosis pathway signaling in <i>Hemiscorpius lepturus</i> venom-induced acute kidney injury. <i>Toxicon</i> , 2019, 159, S10.	1.6	1
46	Preparation and Evaluation of pH Sensitive Novel Anticancer Drug Carrier Based on Magnetic Chitosan Quartets. <i>Drug Research</i> , 2019, 69, 496-504.	1.7	6
47	Induction of two independent immunological cell death signaling following hemoglobinuria-induced acute kidney injury: <i>In vivo</i> study. <i>Toxicon</i> , 2019, 163, 23-31.	1.6	10
48	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
49	Co ¹⁺ XZnFe ₂ O ₄ based nanocarriers for dual-targeted anticancer drug delivery: Synthesis, characterization and <i>in vivo</i> and <i>in vitro</i> biocompatibility study. <i>Journal of Molecular Liquids</i> , 2019, 274, 60-67.	4.9	42
50	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
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	<i>In vitro</i> regeneration and secondary metabolites of <i>Viola caspia</i> subsp. <i>sylvestrioides</i> Marcussen. <i>Biotechnologia</i> , 2019, 100, 407-415.	0.9	3
53	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
54	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

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55	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
56	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
57	The role of miktoarm star copolymers in drug delivery systems. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2018, 55, 559-571.	2.2	24
58	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. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2817-2826.	4.0	32
59	Genetically Transformed Root-Based Culture Technology in Medicinal Plant <i>Cosmos bipinnatus</i> . <i>Jundishapur Journal of Natural Pharmaceutical Products</i> , 2018, 13, .	0.6	4
60	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
61	Pharmacokinetics and <i>in vitro</i> and <i>in vivo</i> delivery of sulforaphane by PCL-PEG-PCL copolymeric-based micelles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1728-1739.	2.8	41
62	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
63	Poly(caprolactone)-poly(ethylene glycol)-poly(caprolactone) (PCL-PEG-PCL) nanoparticles: a valuable and efficient system for <i>in vitro</i> and <i>in vivo</i> delivery of curcumin. <i>RSC Advances</i> , 2016, 6, 14403-14415.	3.6	51
64	Genetic variation assessment of acid lime accessions collected from south of Iran using SSR and ISSR molecular markers. <i>Physiology and Molecular Biology of Plants</i> , 2016, 22, 87-95.	3.1	12
65	<i>In vitro</i> regeneration and transient expression of recombinant sesquiterpene cyclase (SQC) in <i>Artemisia annua</i> L.. <i>South African Journal of Botany</i> , 2016, 104, 225-231.	2.5	20
66	<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
67	Development of a High-Resolution Melting Analysis Method for CYP2C19*17 Genotyping in Healthy Volunteers. <i>Avicenna Journal of Medical Biotechnology</i> , 2016, 8, 193-199.	0.3	6
68	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
69	<i>In vitro</i> regeneration and <i>Agrobacterium</i> mediated genetic transformation of <i>Artemisia aucheri</i> Boiss. <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 487-494.	3.1	17
70	A reliable and efficient protocol for inducing genetically transformed roots in medicinal plant <i>Nepeta pogonosperma</i> . <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 351-356.	3.1	27
71	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
72	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

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73	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
74	Green Synthesized Silver Nanostructure Using <i>Rhus coriaria</i> Fruit Extract Inhibits the Growth of Malignant MCF-7 Cell Line. <i>Brazilian Archives of Biology and Technology</i> , 0, 64, .	0.5	1