Naser Karimi

List of Publications by Year in descending order

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54 papers	2,391 citations	236925 25 h-index	214800 47 g-index
55 all docs	55 docs citations	55 times ranked	3049 citing authors

#	Article	IF	Citations
1	Application of Various Types of Liposomes in Drug Delivery Systems. Advanced Pharmaceutical Bulletin, 2017, 7, 3-9.	1.4	308
2	Acquiring control: The evolution of ROS-Induced oxidative stress and redox signaling pathways in plant stress responses. Plant Physiology and Biochemistry, 2019, 141, 353-369.	5.8	246
3	Silicon and Plants: Current Knowledge and Future Prospects. Journal of Plant Growth Regulation, 2021, 40, 906-925.	5.1	113
4	An arsenicâ€accumulating, hypertolerant brassica, Isatis capadocica. New Phytologist, 2009, 184, 41-47.	7.3	101
5	Antibacterial, Antibiofilm, Antiquorum Sensing, Antimotility, and Antioxidant Activities of Green Fabricated Ag, Cu, TiO₂, ZnO, and Fe₃O₄ NPs via Protoparmeliopsis muralis Lichen Aqueous Extract against Multi-Drug-Resistant Bacteria. ACS Biomaterials Science and Engineering, 2019, 5, 4228-4243.	5.2	95
6	Arsenic Hyperaccumulation Strategies: An Overview. Frontiers in Cell and Developmental Biology, 2017, 5, 67.	3.7	91
7	Green approach for synthesis of gold nanoparticles from Nigella arvensis leaf extract and evaluation of their antibacterial, antioxidant, cytotoxicity and catalytic activities. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 579-588.	2.8	84
8	Characterization, antibacterial, total antioxidant, scavenging, reducing power and ion chelating activities of green synthesized silver, copper and titanium dioxide nanoparticles using Artemisia haussknechtii leaf extract. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1-16.	2.8	81
9	Antiplanktonic, antibiofilm, antiswarming motility and antiquorum sensing activities of green synthesized Agâ€“TiO₂, TiO₂â€“Ag, Agâ€“Cu and Cuâ€“Ag nanocomposites against multi-drug-resistant bacteria. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 399-413.	2.8	75
10	Salicylic acid nanoparticles (SANPs) improve growth and phytoremediation efficiency of Isatis cappadocica Desv., under As stress. IET Nanobiotechnology, 2017, 11, 650-655.	3.8	70
11	Nigella arvensis leaf extract mediated green synthesis of silver nanoparticles: Their characteristic properties and biological efficacy. Advanced Powder Technology, 2018, 29, 202-210.	4.1	70
12	Nitric oxide improves tolerance to arsenic stress in Isatis cappadocica desv. Shoots by enhancing antioxidant defenses. Chemosphere, 2020, 239, 124523.	8.2	66
13	Biosynthesis of Ag and Cu NPs by secondary metabolites of usnic acid and thymol with biological macromolecules aggregation and antibacterial activities against multi drug resistant (MDR) bacteria. International Journal of Biological Macromolecules, 2019, 128, 893-901.	7.5	63
14	Effects of engineered aluminum and nickel oxide nanoparticles on the growth and antioxidant defense systems of Nigella arvensis L.. Scientific Reports, 2020, 10, 3847.	3.3	60
15	Antioxidant enzymes responses in shoots of arsenic hyperaccumulator, Isatis cappadocica Desv., under interaction of arsenate and phosphate. Environmental Technology (United Kingdom), 2018, 39, 1316-1327.	2.2	59
16	Analysis of Arsenic in Soil and Vegetation of a Contaminated Area in Zarshuran, Iran. International Journal of Phytoremediation, 2009, 12, 159-173.	3.1	55
17	phytosynthesis of zinc oxide nanoparticles and its antibacterial, antiquorum sensing, antimotility, and antioxidant capacities against multidrug resistant bacteria. Journal of Industrial and Engineering Chemistry, 2019, 72, 457-473.	5.8	55
18	Ultrasound assisted-phytofabricated Fe ₃ O ₄ NPs with antioxidant properties and antibacterial effects on growth, biofilm formation, and spreading ability of multidrug resistant bacteria. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 2405-2423.	2.8	52

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19	Biosynthesis, Characterization, Antimicrobial and Cytotoxic Effects of Silver Nanoparticles Using Seed Extract. Iranian Journal of Pharmaceutical Research, 2017, 16, 1167-1175.	0.5	42
20	Eco-Friendly Synthesis and Antimicrobial Activity of Silver Nanoparticles Using Dracocephalum moldavica Seed Extract. Applied Sciences (Switzerland), 2016, 6, 69.	2.5	41
21	Hemoglobin self-assembly and antibacterial activities of bio-modified Ag-MgO nanocomposites by different concentrations of Artemisia haussknechtii and Protoparmeliopsis muralis extracts. International Journal of Biological Macromolecules, 2020, 152, 1174-1185.	7.5	36
22	EFFECT OF ARSENIC ON GERMINATION, PHOTOSYNTHESIS AND GROWTH PARAMETERS OF TWO WINTER WHEAT VARIETIES IN IRAN. Journal of Plant Nutrition, 2013, 36, 651-664.	1.9	35
23	Effect of Phosphorus on Arsenic Accumulation and Detoxification in Arsenic Hyperaccumulator, Isatis cappadocica. Journal of Plant Growth Regulation, 2015, 34, 88-95.	5.1	34
24	Salicylic acid and jasmonic acid restrains nickel toxicity by ameliorating antioxidant defense system in shoots of metallicolous and non-metallicolous Alyssum inflatum NÃ¡yr. Populations. Plant Physiology and Biochemistry, 2019, 135, 450-459.	5.8	34
25	The effects of salicylic acid and glucose on biochemical traits and taxane production in a Taxus baccata callus culture. Plant Physiology and Biochemistry, 2018, 132, 271-280.	5.8	30
26	Uptake, translocation, phytotoxicity, and hormetic effects of titanium dioxide nanoparticles (TiO2NPs) in Nigella arvensis L.. Science of the Total Environment, 2022, 806, 151222.	8.0	30
27	Molecular phylogenetic and pathogenetic characterization of Fusarium solani species complex (FSSC), the cause of dry rot on potato in Iran. Microbial Pathogenesis, 2014, 67-68, 14-19.	2.9	29
28	Improved effects of polyethylene glycol on the growth, antioxidative enzymes activity and taxanes production in a Taxus baccata L. callus culture. Plant Cell, Tissue and Organ Culture, 2019, 137, 319-328.	2.3	26
29	Variations of glaucine, quercetin and kaempferol contents in Nigella arvensis against Al2O3, NiO, and TiO2 nanoparticles. Heliyon, 2020, 6, e04265.	3.2	25
30	Biological applications of phytosynthesized gold nanoparticles using leaf extract of Dracocephalum kotschyi. Journal of Biomedical Materials Research - Part A, 2019, 107, 621-630.	4.0	22
31	Antibacterial Activities of Phytofabricated ZnO and CuO NPs by Mentha pulegium Leaf/flower Mixture Extract against Antibiotic Resistant Bacteria. Advanced Pharmaceutical Bulletin, 2021, 11, 497-504.	1.4	21
32	Antioxidant enzymes and compounds complement each other during arsenic detoxification in shoots ofIsatis cappadocicaDesv.. Chemistry and Ecology, 2016, 32, 937-951.	1.6	20
33	Elucidating the physiological mechanisms underlying enhanced arsenic hyperaccumulation by glutathione modified superparamagnetic iron oxide nanoparticles in Isatis cappadocica. Ecotoxicology and Environmental Safety, 2020, 206, 111336.	6.0	20
34	Enhanced Phytoextraction by As HyperaccumulatorIsatis cappadocicaSpiked with Sodium Nitroprusside. Soil and Sediment Contamination, 2017, 26, 457-468.	1.9	18
35	Comparison of antibacterial and cytotoxic activities of phytosynthesized ZnONPs by leaves extract of Daphne mucronata at different salt sources. Materials Technology, 2021, 36, 747-759.	3.0	16
36	Phytotoxicity of green synthesized silver nanoparticles on Camelina sativa L. Physiology and Molecular Biology of Plants, 2021, 27, 417-427.	3.1	16

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37	EFFECTS OF CADMIUM AND ZINC ON GROWTH AND METAL ACCUMULATION OF Mathiola flavida BOISS. Environmental Engineering and Management Journal, 2014, 13, 2937-2944.	0.6	15
38	Arsenic in soil and vegetation of a contaminated area. International Journal of Environmental Science and Technology, 2013, 10, 743-752.	3.5	14
39	Larvicidal Effects of Essential Oil and Methanolic Extract ofHymenocarter longiflorus(Lamiaceae) AgainstEchinococcus granulosus. Journal of Essential Oil-bearing Plants: JEOP, 2013, 16, 85-91.	1.9	12
40	A comparison of antimony accumulation and tolerance among Achillea wilhelmsii, Silene vulgaris and Thlaspi arvense. Plant and Soil, 2017, 412, 267-281.	3.7	12
41	The effect of NADPH oxidase inhibitor diphenyleneiodonium (DPI) and glutathione (GSH) on Isatis cappadocica, under Arsenic (As) toxicity. International Journal of Phytoremediation, 2021, 23, 945-957.	3.1	12
42	Multiple effects of silicon on alleviation of arsenic and cadmium toxicity in hyperaccumulator Isatis cappadocica Desv.. Plant Physiology and Biochemistry, 2021, 168, 177-187.	5.8	10
43	A comparative study of antimony accumulation in plants growing in two mining areas in Iran, Moghanlo, and Patyar. Environmental Science and Pollution Research, 2015, 22, 16542-16553.	5.3	7
44	The role of selenium on mitigating arsenic accumulation, enhancing growth and antioxidant responses in metallicolous and non-metallicolous population of Isatis cappadocica Desv. and Brassica oleracea L. Environmental Science and Pollution Research, 2019, 26, 21704-21716.	5.3	7
45	Application of high frequency ultrasound in different irradiation systems for photosynthesis pigment extraction from Chlorella microalgae. Korean Journal of Chemical Engineering, 2017, 34, 1100-1108.	2.7	5
46	Role of Jasmonic and Salicylic Acid on Enzymatic Changes in the Root of Two Alyssum inflatum NÃ¡yr. Populations Exposed to Nickel Toxicity. Journal of Plant Growth Regulation, 2023, 42, 1647-1664.	5.1	5
47	Regression estimator under inverse sampling to estimate arsenic contamination. Environmetrics, 2011, 22, 894-900.	1.4	4
48	Improved physiological defense responses by application of sodium nitroprusside in Isatis cappadocica Desv. under cadmium stress. Physiologia Plantarum, 2021, 173, 100-115.	5.2	4
49	Physiological, biochemical, and metabolic responses of a Taxus baccata L. callus culture under drought stress. In Vitro Cellular and Developmental Biology - Plant, 2020, 56, 703-717.	2.1	4
50	Shikonin Production by Callus Culture of as Active Pharmaceutical Ingredient. Iranian Journal of Pharmaceutical Research, 2018, 17, 495-504.	0.5	4
51	Exogenous supplementation of Sulfur (S) and Reduced Glutathione (GSH) Alleviates Arsenic Toxicity in Shoots of Isatis cappadocica Desv and Erysimum allionii L. Environmental Science and Pollution Research, 2022, 29, 64205-64214.	5.3	4
52	Qualitative and quantitative analysis of diosmin content of hyssop (Hyssopus officinalis) in response to salinity stress. Heliyon, 2021, 7, e08228.	3.2	3
53	Usnic acid improves memory impairment after cerebral ischemia/reperfusion injuries by anti-neuroinflammatory, anti-oxidant, and anti-apoptotic properties. Iranian Journal of Basic Medical Sciences, 2020, 23, 1225-1231.	1.0	2
54	Cellular and physiological responses to drought stress in Aegilops tauschii genotypes. Cellular and Molecular Biology, 2019, 65, 84-94.	0.9	0