

# 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	Role of Jasmonic and Salicylic Acid on Enzymatic Changes in the Root of Two <i>Alyssum inflatum</i> NÄjyr. Populations Exposed to Nickel Toxicity. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1647-1664.	5.1	5
2	Uptake, translocation, phytotoxicity, and hormetic effects of titanium dioxide nanoparticles (TiO <sub>2</sub> NPs) in <i>Nigella arvensis</i> L.. <i>Science of the Total Environment</i> , 2022, 806, 151222.	8.0	30
3	Exogenous supplementation of Sulfur (S) and Reduced Glutathione (GSH) Alleviates Arsenic Toxicity in Shoots of <i>Isatis cappadocica</i> Desv and <i>Erysimum allionii</i> L. <i>Environmental Science and Pollution Research</i> , 2022, 29, 64205-64214.	5.3	4
4	Improved physiological defense responses by application of sodium nitroprusside in <i>Isatis cappadocica</i> Desv. under cadmium stress. <i>Physiologia Plantarum</i> , 2021, 173, 100-115.	5.2	4
5	Comparison of antibacterial and cytotoxic activities of phytosynthesized ZnONPs by leaves extract of <i>Daphne mucronata</i> at different salt sources. <i>Materials Technology</i> , 2021, 36, 747-759.	3.0	16
6	Silicon and Plants: Current Knowledge and Future Prospects. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 906-925.	5.1	113
7	The effect of NADPH oxidase inhibitor diphenyleneiodonium (DPI) and glutathione (GSH) on <i>Isatis cappadocica</i> , under Arsenic (As) toxicity. <i>International Journal of Phytoremediation</i> , 2021, 23, 945-957.	3.1	12
8	Phytotoxicity of green synthesized silver nanoparticles on <i>Camelina sativa</i> L. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 417-427.	3.1	16
9	Multiple effects of silicon on alleviation of arsenic and cadmium toxicity in hyperaccumulator <i>Isatis cappadocica</i> Desv.. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 177-187.	5.8	10
10	Antibacterial Activities of Phytofabricated ZnO and CuO NPs by <i>Mentha pulegium</i> Leaf/flower Mixture Extract against Antibiotic Resistant Bacteria. <i>Advanced Pharmaceutical Bulletin</i> , 2021, 11, 497-504.	1.4	21
11	Qualitative and quantitative analysis of diosmin content of hyssop ( <i>Hyssopus officinalis</i> ) in response to salinity stress. <i>Heliyon</i> , 2021, 7, e08228.	3.2	3
12	Nitric oxide improves tolerance to arsenic stress in <i>Isatis cappadocica</i> desv. Shoots by enhancing antioxidant defenses. <i>Chemosphere</i> , 2020, 239, 124523.	8.2	66
13	Hemoglobin self-assembly and antibacterial activities of bio-modified Ag-MgO nanocomposites by different concentrations of <i>Artemisia haussknechtii</i> and <i>Protoparmeliopsis muralis</i> extracts. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 1174-1185.	7.5	36
14	Physiological, biochemical, and metabolic responses of a <i>Taxus baccata</i> L. callus culture under drought stress. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2020, 56, 703-717.	2.1	4
15	Elucidating the physiological mechanisms underlying enhanced arsenic hyperaccumulation by glutathione modified superparamagnetic iron oxide nanoparticles in <i>Isatis cappadocica</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111336.	6.0	20
16	Effects of engineered aluminum and nickel oxide nanoparticles on the growth and antioxidant defense systems of <i>Nigella arvensis</i> L.. <i>Scientific Reports</i> , 2020, 10, 3847.	3.3	60
17	Variations of glaucine, quercetin and kaempferol contents in <i>Nigella arvensis</i> against Al <sub>2</sub> O <sub>3</sub> , NiO, and TiO <sub>2</sub> nanoparticles. <i>Heliyon</i> , 2020, 6, e04265.	3.2	25
18	Usnic acid improves memory impairment after cerebral ischemia/reperfusion injuries by anti-neuroinflammatory, anti-oxidant, and anti-apoptotic properties. <i>Iranian Journal of Basic Medical Sciences</i> , 2020, 23, 1225-1231.	1.0	2

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19	Antibacterial, Antibiofilm, Antiquorum Sensing, Antimotility, and Antioxidant Activities of Green Fabricated Ag, Cu, TiO <sub>2</sub> , ZnO, and Fe <sub>3</sub> O <sub>4</sub> NPs via <i>Protopermaliopsis muralis</i> Lichen Aqueous Extract against Multi-Drug-Resistant Bacteria. ACS Biomaterials Science and Engineering, 2019, 5, 4228-4243.	5.2	95
20	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
21	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
22	The role of selenium on mitigating arsenic accumulation, enhancing growth and antioxidant responses in metallicolous and non-metallicolous population of <i>Isatis cappadocica</i> Desv. and <i>Brassica oleracea</i> L. Environmental Science and Pollution Research, 2019, 26, 21704-21716.	5.3	7
23	Ultrasound assisted-phytofabricated Fe <sub>3</sub> O <sub>4</sub> 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
24	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
25	Improved effects of polyethylene glycol on the growth, antioxidative enzymes activity and taxanes production in a <i>Taxus baccata</i> L. callus culture. Plant Cell, Tissue and Organ Culture, 2019, 137, 319-328.	2.3	26
26	Biological applications of phytosynthesized gold nanoparticles using leaf extract of <i>Dracocephalum kotschyi</i> . Journal of Biomedical Materials Research - Part A, 2019, 107, 621-630.	4.0	22
27	Salicylic acid and jasmonic acid restrains nickel toxicity by ameliorating antioxidant defense system in shoots of metallicolous and non-metallicolous <i>Alyssum inflatum</i> N <sup>o</sup> yr. Populations. Plant Physiology and Biochemistry, 2019, 135, 450-459.	5.8	34
28	Cellular and physiological responses to drought stress in <i>Aegilops tauschii</i> genotypes. Cellular and Molecular Biology, 2019, 65, 84-94.	0.9	0
29	Characterization, antibacterial, total antioxidant, scavenging, reducing power and ion chelating activities of green synthesized silver, copper and titanium dioxide nanoparticles using <i>Artemisia haussknechtii</i> leaf extract. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1-16.	2.8	81
30	Antioxidant enzymes responses in shoots of arsenic hyperaccumulator, <i>Isatis cappadocica</i> Desv., under interaction of arsenate and phosphate. Environmental Technology (United Kingdom), 2018, 39, 1316-1327.	2.2	59
31	Green approach for synthesis of gold nanoparticles from <i>Nigella arvensis</i> leaf extract and evaluation of their antibacterial, antioxidant, cytotoxicity and catalytic activities. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 579-588.	2.8	84
32	<i>Nigella arvensis</i> leaf extract mediated green synthesis of silver nanoparticles: Their characteristic properties and biological efficacy. Advanced Powder Technology, 2018, 29, 202-210.	4.1	70
33	The effects of salicylic acid and glucose on biochemical traits and taxane production in a <i>Taxus baccata</i> callus culture. Plant Physiology and Biochemistry, 2018, 132, 271-280.	5.8	30
34	Antiplanktonic, antibiofilm, antiswarming motility and antiquorum sensing activities of green synthesized Ag@TiO <sub>2</sub> , TiO <sub>2</sub> @Ag, Ag@Cu and Cu@Ag nanocomposites against multi-drug-resistant bacteria. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 399-413.	2.8	75
35	Shikonin Production by Callus Culture of as Active Pharmaceutical Ingredient. Iranian Journal of Pharmaceutical Research, 2018, 17, 495-504.	0.5	4
36	Application of high frequency ultrasound in different irradiation systems for photosynthesis pigment extraction from <i>Chlorella</i> microalgae. Korean Journal of Chemical Engineering, 2017, 34, 1100-1108.	2.7	5

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37	Enhanced Phytoextraction by As Hyperaccumulator <i>Isatis cappadocica</i> Spiked with Sodium Nitroprusside. <i>Soil and Sediment Contamination</i> , 2017, 26, 457-468.	1.9	18
38	A comparison of antimony accumulation and tolerance among <i>Achillea wilhelmsii</i> , <i>Silene vulgaris</i> and <i>Thlaspi arvense</i> . <i>Plant and Soil</i> , 2017, 412, 267-281.	3.7	12
39	Salicylic acid nanoparticles (SANPs) improve growth and phytoremediation efficiency of <i>Isatis cappadocica</i> Desv., under As stress. <i>IET Nanobiotechnology</i> , 2017, 11, 650-655.	3.8	70
40	Application of Various Types of Liposomes in Drug Delivery Systems. <i>Advanced Pharmaceutical Bulletin</i> , 2017, 7, 3-9.	1.4	308
41	Arsenic Hyperaccumulation Strategies: An Overview. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 67.	3.7	91
42	Biosynthesis, Characterization, Antimicrobial and Cytotoxic Effects of Silver Nanoparticles Using Seed Extract. <i>Iranian Journal of Pharmaceutical Research</i> , 2017, 16, 1167-1175.	0.5	42
43	Eco-Friendly Synthesis and Antimicrobial Activity of Silver Nanoparticles Using <i>Dracocephalum moldavica</i> Seed Extract. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 69.	2.5	41
44	Antioxidant enzymes and compounds complement each other during arsenic detoxification in shoots of <i>Isatis cappadocica</i> Desv.. <i>Chemistry and Ecology</i> , 2016, 32, 937-951.	1.6	20
45	Effect of Phosphorus on Arsenic Accumulation and Detoxification in Arsenic Hyperaccumulator, <i>Isatis cappadocica</i> . <i>Journal of Plant Growth Regulation</i> , 2015, 34, 88-95.	5.1	34
46	A comparative study of antimony accumulation in plants growing in two mining areas in Iran, Moghanlo, and Patyar. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16542-16553.	5.3	7
47	Molecular phylogenetic and pathogenetic characterization of <i>Fusarium solani</i> species complex (FSSC), the cause of dry rot on potato in Iran. <i>Microbial Pathogenesis</i> , 2014, 67-68, 14-19.	2.9	29
48	EFFECTS OF CADMIUM AND ZINC ON GROWTH AND METAL ACCUMULATION OF <i>Mathiola flava</i> BOISS. <i>Environmental Engineering and Management Journal</i> , 2014, 13, 2937-2944.	0.6	15
49	Arsenic in soil and vegetation of a contaminated area. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 743-752.	3.5	14
50	Larvicidal Effects of Essential Oil and Methanolic Extract of <i>Hymenocarter longiflorus</i> (Lamiaceae) Against <i>Echinococcus granulosus</i> . <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2013, 16, 85-91.	1.9	12
51	EFFECT OF ARSENIC ON GERMINATION, PHOTOSYNTHESIS AND GROWTH PARAMETERS OF TWO WINTER WHEAT VARIETIES IN IRAN. <i>Journal of Plant Nutrition</i> , 2013, 36, 651-664.	1.9	35
52	Regression estimator under inverse sampling to estimate arsenic contamination. <i>Environmetrics</i> , 2011, 22, 894-900.	1.4	4
53	Analysis of Arsenic in Soil and Vegetation of a Contaminated Area in Zarshuran, Iran. <i>International Journal of Phytoremediation</i> , 2009, 12, 159-173.	3.1	55
54	An arsenic-accumulating, hypertolerant brassica, <i>Isatis capadocica</i> . <i>New Phytologist</i> , 2009, 184, 41-47.	7.3	101