Iman Tahmasbian

List of Publications by Year
in descending order

26 papers	1,220 citations	516561 16 h-index	552653 26 g-index
27 all docs	27 docs citations	27 times ranked	1354 citing authors

#	Article	IF	Citations
1	Combined effects of biochar and fertilizer applications on yield: A review and meta-analysis. Science of the Total Environment, 2022, 808, 152073.	3.9	75
2	Combination of Inorganic Nitrogen and Organic Soil Amendment Improves Nitrogen Use Efficiency While Reducing Nitrogen Runoff. Nitrogen, 2022, 3, 58-73.	0.6	4
3	Toxic trace element resistance genes and systems identified using the shotgun metagenomics approach in an Iranian mine soil. Environmental Science and Pollution Research, 2021, 28, 4845-4856.	2.7	6
4	Comparison of Hyperspectral Imaging and Near-Infrared Spectroscopy to Determine Nitrogen and Carbon Concentrations in Wheat. Remote Sensing, 2021, 13, 1128.	1.8	24
5	An automated non-destructive prediction of peroxide value and free fatty acid level in mixed nut samples. LWT - Food Science and Technology, 2021, 143, 110893.	2.5	9
6	A Performance Evaluation of Vis/NIR Hyperspectral Imaging to Predict Curcumin Concentration in Fresh Turmeric Rhizomes. Remote Sensing, 2021, 13, 1807.	1.8	9
7	Prediction of macronutrients in plant leaves using chemometric analysis and wavelength selection. Journal of Soils and Sediments, 2020, 20, 249-259.	1.5	23
8	Rapid Determination of Nutrient Concentrations in Hass Avocado Fruit by Vis/NIR Hyperspectral Imaging of Flesh or Skin. Remote Sensing, 2020, 12, 3409.	1.8	24
9	Increased litter input significantly changed the total and active microbial communities in degraded grassland soils. Journal of Soils and Sediments, 2020, 20, 2804-2816.	1.5	23
10	Short-term carbon and nitrogen dynamics in soil, litterfall and canopy of a suburban native forest subjected to prescribed burning in subtropical Australia. Journal of Soils and Sediments, 2019, 19, 3969-3981.	1.5	10
11	Applications of Bayesian Networks as Decision Support Tools for Water Resource Management under Climate Change and Socio-Economic Stressors: A Critical Appraisal. Water (Switzerland), 2019, 11, 2642.	1.2	25
12	Prediction of soil macro- and micro-elements in sieved and ground air-dried soils using laboratory-based hyperspectral imaging technique. Geoderma, 2019, 340, 70-80.	2.3	51
13	The effects of short term, long term and reapplication of biochar on soil bacteria. Science of the Total Environment, 2018, 636, 142-151.	3.9	105
14	Litter amendment rather than phosphorus can dramatically change inorganic nitrogen pools in a degraded grassland soil by affecting nitrogen-cycling microbes. Soil Biology and Biochemistry, 2018, 120, 145-152.	4.2	108
15	Long-term warming rather than grazing significantly changed total and active soil procaryotic community structures. Geoderma, 2018, 316, 1-10.	2.3	55
16	Using laboratory-based hyperspectral imaging method to determine carbon functional group distributions in decomposing forest litterfall. Catena, 2018, 167, 18-27.	2.2	22
17	A non-destructive determination of peroxide values, total nitrogen and mineral nutrients in an edible tree nut using hyperspectral imaging. Computers and Electronics in Agriculture, 2018, 151, 492-500.	3.7	32
18	Laboratory-based hyperspectral image analysis for predicting soil carbon, nitrogen and their isotopic compositions. Geoderma, 2018, 330, 254-263.	2.3	41

#	Article	IF	Citations
19	The potential of hyperspectral images and partial least square regression for predicting total carbon, total nitrogen and their isotope composition in forest litterfall samples. Journal of Soils and Sediments, 2017, 17, 2091-2103.	1.5	21
20	Application of manures to mitigate the harmful effects of electrokinetic remediation of heavy metals on soil microbial properties in polluted soils. Environmental Science and Pollution Research, 2017, 24, 26485-26496.	2.7	15
21	Effects of biochar on soil available inorganic nitrogen: A review and meta-analysis. Geoderma, 2017, 288, 79-96.	2.3	433
22	Improving the efficiency of phytoremediation using electrically charged plant and chelating agents. Environmental Science and Pollution Research, 2016, 23, 2479-2486.	2.7	53
23	The effects of human activities and different land-use on trace element pollution in urban topsoil of Isfahan (Iran). Environmental Earth Sciences, 2014, 71, 1551-1560.	1.3	15
24	Chelate-assisted phytoextraction of cadmium from a mine soil by negatively charged sunflower. International Journal of Environmental Science and Technology, 2014, 11, 695-702.	1.8	19
25	Monitoring the effects of chelating agents and electrical fields on active forms of Pb and Zn in contaminated soil. Environmental Monitoring and Assessment, 2013, 185, 8847-8860.	1.3	8
26	Soil electerokinetic remediation and its effects on soil microbial activity- A review. African Journal of Microbiology Research, 2012, 6, .	0.4	0