Hamid Reza Motaghian

List of Publications by Year
in descending order

37 papers	445 citations	1039406 9 h-index	752256 20 g-index
37 all docs	37 docs citations	37 times ranked	619 citing authors

#	Article	IF	Citations
1	Citric Acid (CA)â€“Modified Biochar Improved Available Phosphorus Concentration and Its Half-Life in a P-Fertilized Calcareous Sandy Soil. Journal of Soil Science and Plant Nutrition, 2022, 22, 465-474.	1.7	22
2	The aging effects of biochar and Zn²⁺ on adsorption and desorption kinetics of Pb²⁺ in a calcareous sandy soil. Archives of Agronomy and Soil Science, 2021, 67, 1217-1230.	1.3	1
3	Impact of Biochar on Release Kinetics of Pb (II) and Zn (II) in a Calcareous Soil Polluted with Mining Activities. Journal of Soil Science and Plant Nutrition, 2021, 21, 22-34.	1.7	8
4	Response of stevia (stevia rebaudiana) to copper, iron and zinc. Journal of Plant Nutrition, 2021, 44, 875-884.	0.9	4
5	Predicting soil nitrogen availability to grain corn in Ontario, Canada. Canadian Journal of Soil Science, 2021, 101, 389-401.	0.5	2
6	The Effects of Sugarcane-Derived Biochar on Phosphorus Release Characteristics in a Calcareous Soil. Journal of Soil Science and Plant Nutrition, 2020, 20, 66-74.	1.7	10
7	The sublethal lead (Pb) toxicity to the earthworm Eisenia fetida (Annelida, Oligochaeta) as affected by NaCl salinity and manure addition in a calcareous clay loam soil during an indoor mesocosm experiment. Ecotoxicology and Environmental Safety, 2020, 190, 110083.	2.9	14
8	Effects of sugarcane residue biochar and P fertilizer on P availability and its fractions in a calcareous clay loam soil. Biochar, 2020, 2, 357-367.	6.2	10
9	Effect of the soil biochar aging on the sorption and desorption of Pb2+ under competition of Zn2+ in a sandy calcareous soil. Environmental Earth Sciences, 2020, 79, 1.	1.3	10
10	Effects of Walnut Leaves Biochars on Lead and Zinc Fractionation and Phytotoxicity in a Naturally Calcareous Highly Contaminated Soil. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	12
11	Adsorption Characteristics of Zn2+ Ions onto Different Aggregate Size Fractions of Some Calcareous Soils and their Relationship with Soil Properties. Eurasian Soil Science, 2019, 52, 916-925.	0.5	3
12	Distribution and availability of copper in aggregate size fractions of some calcareous soils. Journal of Soils and Sediments, 2019, 19, 1866-1874.	1.5	5
13	Release kinetics and distribution of lead in various size fraction of aggregates. Journal of Soils and Sediments, 2018, 18, 179-188.	1.5	8
14	The Effect of Vermicompost on Transformation Rate of Available P Applied as Chemical Fertilizer in a Calcareous Clay Soil. Communications in Soil Science and Plant Analysis, 2018, 49, 2131-2142.	0.6	5
15	Zn fractionation and availability in different soil aggregate fractions from Isfahan region, Central Iran. Archives of Agronomy and Soil Science, 2017, 63, 1419-1430.	1.3	5
16	The Effects of Cow Manure and Vermicompost on Availability and Desorption Characteristics of Zinc in a Loamy Calcareous Soil. Communications in Soil Science and Plant Analysis, 2017, 48, 2126-2136.	0.6	5
17	Rhizosphere effects on Cu availability and fractionation in sewage sludge-amended calcareous soils. Journal of Plant Nutrition and Soil Science, 2015, 178, 713-721.	1.1	8
18	Evaluating of many chemical extractants for assessment of Zn and Pb uptake by bean in polluted soils. Journal of Soil Science and Plant Nutrition, 2015, , 0-0.	1.7	7

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19	Effect of Bean (Phaseolus vulgarisL.) Rhizosphere on Zinc-Release Kinetics. Communications in Soil Science and Plant Analysis, 2015, 46, 367-381.	0.6	1
20	Zinc desorption kinetics in bean (Phaseolus vulgaris L.) rhizosphere in sewage sludge-amended calcareous soils. Environmental Earth Sciences, 2014, 71, 965-973.	1.3	2
21	Effect of wheat (Triticum aestivumL.) rhizosphere and sewage sludge application on zinc desorption with dilute citric acid. Archives of Agronomy and Soil Science, 2014, 60, 907-923.	1.3	3
22	Potassium-Release Characteristics and Their Correlation with Bean (Phaseolus vulgaris) Plant Indices in Some Calcareous Soils. Communications in Soil Science and Plant Analysis, 2014, 45, 726-740.	0.6	7
23	Impact of sewage sludge application on zinc desorption kinetics in some calcareous soils. Environmental Earth Sciences, 2014, 71, 4647-4655.	1.3	6
24	Copper desorption kinetics in wheat (Triticum aestivum L.) rhizosphere in some sewage sludge amended soils. Environmental Earth Sciences, 2013, 70, 1571-1580.	1.3	2
25	Application of Kinetic Models in Describing Soil Potassium Release Characteristics and Their Correlations with Potassium Extracted by Chemical Methods. Pedosphere, 2013, 23, 482-492.	2.1	20
26	Evaluation of copper desorption characteristics using DTPA and citric acid for wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Science, 2013, 176, 921-928.	1.1	1
27	Zinc fractionation in the rhizosphere of wheat (Triticum aestivumL.) plant in soils treated with sewage sludge. E3S Web of Conferences, 2013, 1, 04004.	0.2	0
28	Effect of wheat (Triticum aestivumL.) rhizosphere on fractionations of copper in some sewage sludge amended soils. E3S Web of Conferences, 2013, 1, 04009.	0.2	1
29	Zinc desorption kinetics in wheat (Triticum Aestivum L.) rhizosphere in some sewage sludge amended soils. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	1.7	6
30	Geostatistical Assessment of the Spatial Distribution of Some Chemical Properties in Calcareous Soils. Journal of Integrative Agriculture, 2012, 11, 1729-1737.	1.7	12
31	Copper release kinetics: Effect of two extractants and wheat (Triticum aestivum L.) rhizosphere. Plant, Soil and Environment, 2012, 58, 471-476.	1.0	3
32	Potassium release kinetics and its correlation with pinto bean (Phaseolus vulgaris) plant indices. Plant, Soil and Environment, 2012, 58, 328-333.	1.0	19
33	Spatial Estimation of Saturated Hydraulic Conductivity from Terrain Attributes Using Regression, Kriging, and Artificial Neural Networks. Pedosphere, 2011, 21, 170-177.	2.1	56
34	Spatial Prediction of Soil Aggregate Stability and Aggregate-Associated Organic Carbon Content at the Catchment Scale Using Geostatistical Techniques. Pedosphere, 2011, 21, 389-399.	2.1	20
35	Refining Soil Organic Matter Determination by Loss-on-Ignition. Pedosphere, 2011, 21, 473-482.	2.1	144
36	Predictive Infiltration Rate Mapping with Improved Soil and Terrain Predictors. Journal of Applied Sciences, 2009, 9, 1562-1567.	0.1	2

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37	The Effects of Biochar on Sorption - Desorption Characteristics of Pb (II) in a Calcareous Clay Loam Soil: Isotherm and Kinetic Studies. Communications in Soil Science and Plant Analysis, 0, , 1-17.	0.6	1