

Hamid Reza Motaghian

List of Publications by Year in descending order

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papers

445
citations

1039406

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619
citing authors

#	ARTICLE	IF	CITATIONS
1	Refining Soil Organic Matter Determination by Loss-on-Ignition. <i>Pedosphere</i> , 2011, 21, 473-482.	2.1	144
2	Spatial Estimation of Saturated Hydraulic Conductivity from Terrain Attributes Using Regression, Kriging, and Artificial Neural Networks. <i>Pedosphere</i> , 2011, 21, 170-177.	2.1	56
3	Citric Acid (CA) Modified Biochar Improved Available Phosphorus Concentration and Its Half-Life in a P-Fertilized Calcareous Sandy Soil. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 465-474.	1.7	22
4	Spatial Prediction of Soil Aggregate Stability and Aggregate-Associated Organic Carbon Content at the Catchment Scale Using Geostatistical Techniques. <i>Pedosphere</i> , 2011, 21, 389-399.	2.1	20
5	Application of Kinetic Models in Describing Soil Potassium Release Characteristics and Their Correlations with Potassium Extracted by Chemical Methods. <i>Pedosphere</i> , 2013, 23, 482-492.	2.1	20
6	Potassium release kinetics and its correlation with pinto bean (<i>Phaseolus vulgaris</i>) plant indices. <i>Plant, Soil and Environment</i> , 2012, 58, 328-333.	1.0	19
7	The sublethal lead (Pb) toxicity to the earthworm <i>Eisenia fetida</i> (Annelida, Oligochaeta) as affected by NaCl salinity and manure addition in a calcareous clay loam soil during an indoor mesocosm experiment. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110083.	2.9	14
8	Geostatistical Assessment of the Spatial Distribution of Some Chemical Properties in Calcareous Soils. <i>Journal of Integrative Agriculture</i> , 2012, 11, 1729-1737.	1.7	12
9	Effects of Walnut Leaves Biochars on Lead and Zinc Fractionation and Phytotoxicity in a Naturally Calcareous Highly Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	12
10	The Effects of Sugarcane-Derived Biochar on Phosphorus Release Characteristics in a Calcareous Soil. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 66-74.	1.7	10
11	Effects of sugarcane residue biochar and P fertilizer on P availability and its fractions in a calcareous clay loam soil. <i>Biochar</i> , 2020, 2, 357-367.	6.2	10
12	Effect of the soil biochar aging on the sorption and desorption of Pb ²⁺ under competition of Zn ²⁺ in a sandy calcareous soil. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	10
13	Rhizosphere effects on Cu availability and fractionation in sewage sludge-amended calcareous soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 713-721.	1.1	8
14	Release kinetics and distribution of lead in various size fraction of aggregates. <i>Journal of Soils and Sediments</i> , 2018, 18, 179-188.	1.5	8
15	Impact of Biochar on Release Kinetics of Pb (II) and Zn (II) in a Calcareous Soil Polluted with Mining Activities. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 22-34.	1.7	8
16	Potassium-Release Characteristics and Their Correlation with Bean (<i>Phaseolus vulgaris</i>) Plant Indices in Some Calcareous Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 726-740.	0.6	7
17	Evaluating of many chemical extractants for assessment of Zn and Pb uptake by bean in polluted soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2015, , 0-0.	1.7	7
18	Impact of sewage sludge application on zinc desorption kinetics in some calcareous soils. <i>Environmental Earth Sciences</i> , 2014, 71, 4647-4655.	1.3	6

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19	Zinc desorption kinetics in wheat (<i>Triticum Aestivum</i> L.) rhizosphere in some sewage sludge amended soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2013, , 0-0.	1.7	6
20	Zn fractionation and availability in different soil aggregate fractions from Isfahan region, Central Iran. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1419-1430.	1.3	5
21	The Effects of Cow Manure and Vermicompost on Availability and Desorption Characteristics of Zinc in a Loamy Calcareous Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 2126-2136.	0.6	5
22	The Effect of Vermicompost on Transformation Rate of Available P Applied as Chemical Fertilizer in a Calcareous Clay Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 2131-2142.	0.6	5
23	Distribution and availability of copper in aggregate size fractions of some calcareous soils. <i>Journal of Soils and Sediments</i> , 2019, 19, 1866-1874.	1.5	5
24	Response of stevia (<i>stevia rebaudiana</i>) to copper, iron and zinc. <i>Journal of Plant Nutrition</i> , 2021, 44, 875-884.	0.9	4
25	Copper release kinetics: Effect of two extractants and wheat (<i>Triticum aestivum</i> L.) rhizosphere. <i>Plant, Soil and Environment</i> , 2012, 58, 471-476.	1.0	3
26	Effect of wheat (<i>Triticum aestivum</i> L.) rhizosphere and sewage sludge application on zinc desorption with dilute citric acid. <i>Archives of Agronomy and Soil Science</i> , 2014, 60, 907-923.	1.3	3
27	Adsorption Characteristics of Zn ²⁺ Ions onto Different Aggregate Size Fractions of Some Calcareous Soils and their Relationship with Soil Properties. <i>Eurasian Soil Science</i> , 2019, 52, 916-925.	0.5	3
28	Copper desorption kinetics in wheat (<i>Triticum aestivum</i> L.) rhizosphere in some sewage sludge amended soils. <i>Environmental Earth Sciences</i> , 2013, 70, 1571-1580.	1.3	2
29	Zinc desorption kinetics in bean (<i>Phaseolus vulgaris</i> L.) rhizosphere in sewage sludge-amended calcareous soils. <i>Environmental Earth Sciences</i> , 2014, 71, 965-973.	1.3	2
30	Predicting soil nitrogen availability to grain corn in Ontario, Canada. <i>Canadian Journal of Soil Science</i> , 2021, 101, 389-401.	0.5	2
31	Predictive Infiltration Rate Mapping with Improved Soil and Terrain Predictors. <i>Journal of Applied Sciences</i> , 2009, 9, 1562-1567.	0.1	2
32	Evaluation of copper desorption characteristics using DTPA and citric acid for wheat (<i>Triticum</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 Science</i> , 2013, 176, 921-928.	1.1	1
33	Effect of wheat (<i>Triticum aestivum</i> L.) rhizosphere on fractionations of copper in some sewage sludge amended soils. <i>E3S Web of Conferences</i> , 2013, 1, 04009.	0.2	1
34	Effect of Bean (<i>Phaseolus vulgaris</i> L.) Rhizosphere on Zinc-Release Kinetics. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 367-381.	0.6	1
35	The aging effects of biochar and Zn ²⁺ on adsorption and desorption kinetics of Pb ²⁺ in a calcareous sandy soil. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 1217-1230.	1.3	1
36	The Effects of Biochar on Sorption - Desorption Characteristics of Pb (II) in a Calcareous Clay Loam Soil: Isotherm and Kinetic Studies. <i>Communications in Soil Science and Plant Analysis</i> , 0, , 1-17.	0.6	1

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37	Zinc fractionation in the rhizosphere of wheat (<i>Triticum aestivum</i> L.) plant in soils treated with sewage sludge. E3S Web of Conferences, 2013, 1, 04004.	0.2	0