Rasoul Rahnemaie

List of Publications by Year
in descending order

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23 papers	991 citations	567281 15 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1053 citing authors

#	Article	IF	Citations
1	Interactive effect of salinity and Ca to Mg ratio of irrigation water on pistachio growth parameters and its ionic composition in a calcareous soil. New Zealand Journal of Crop and Horticultural Science, 2023, 51, 432-450.	1.3	1
2	Magnesium Coprecipitation with Calcite at Low Supersaturation: Implications for Mg-Enriched Water in Calcareous Soils. Minerals (Basel, Switzerland), 2022, 12, 265.	2.0	2
3	Estimation of phosphate extractability in flooded soils: Effect of solid-solution ratio and bicarbonate concentration. Chemosphere, 2022, 303, 135188.	8.2	1
4	Phosphate and methionine affect cadmium uptake in valerian (Valeriana officinalis L.). Plant Physiology and Biochemistry, 2021, 158, 466-474.	5.8	5
5	Phosphate concentrations and methionine application affect quantitative and qualitative traits of valerian (Valeriana officinalis L.) under hydroponic conditions. Industrial Crops and Products, 2021, 171, 113821.	5.2	1
6	The alleviation of salinity-induced stress by using boron in soilless grown rose. Journal of Plant Nutrition, 2020, 43, 526-537.	1.9	10
7	The vulnerability of calcareous soils exposed to Mgâ€enriched irrigation water. Land Degradation and Development, 2020, 31, 2295-2306.	3.9	8
8	Modeling the effects of humic acid and anoxic condition on phosphate adsorption onto goethite. Chemosphere, 2020, 253, 126691.	8.2	18
9	Interaction of boron with humic acid and natural organic matter: Experiments and modeling. Chemical Geology, 2019, 515, 1-8.	3.3	18
10	Competitive adsorption of magnesium and calcium with phosphate at the goethite water interface: Kinetics, equilibrium and CD-MUSIC modeling. Chemical Geology, 2016, 437, 19-29.	3.3	38
11	Chelate-enhanced phytoextraction and phytostabilization of lead-contaminated soils by carrot (Daucus carota). Archives of Agronomy and Soil Science, 2016, 62, 339-358.	2.6	23
12	An analytical deterministic model for simultaneous phytoremediation of Ni and Cd from contaminated soils. Environmental Science and Pollution Research, 2015, 22, 4609-4620.	5.3	20
13	Competitive adsorption-desorption reactions of two hazardous heavy metals in contaminated soils. Environmental Science and Pollution Research, 2015, 22, 13024-13032.	5.3	25
14	Kinetics of degradation and adsorptionâ€“desorption isotherms of thiobencarb and oxadiargyl in calcareous paddy fields. Chemosphere, 2013, 91, 1009-1017.	8.2	10
15	The interaction of boron with goethite: Experiments and CDâ€“MUSIC modeling. Chemosphere, 2011, 82, 1475-1481.	8.2	25
16	Diffusion of Neutral and Ionic Species in Charged Membranes: Boric Acid, Arsenite, and Water. Analytical Chemistry, 2010, 82, 8438-8445.	6.5	26
17	Nanoparticles in natural systems I: The effective reactive surface area of the natural oxide fraction in field samples. Geochimica Et Cosmochimica Acta, 2010, 74, 41-58.	3.9	136
18	Adsorption and desorption processes of boron in calcareous soils. Chemosphere, 2010, 80, 733-739.	8.2	45

#	Article	IF	Citations
19	Geometry, Charge Distribution, and Surface Speciation of Phosphate on Goethite. Langmuir, 2007, 23, 3680-3689.	3.5	159
20	Carbonate adsorption on goethite in competition with phosphate. Journal of Colloid and Interface Science, 2007, 315, 415-425.	9.4	116
21	Inner- and outer-sphere complexation of ions at the goethiteâ€“solution interface. Journal of Colloid and Interface Science, 2006, 297, 379-388.	9.4	110
22	A new surface structural approach to ion adsorption: Tracing the location of electrolyte ions. Journal of Colloid and Interface Science, 2006, 293, 312-321.	9.4	106
23	Surface complexation of carbonate on goethite: IR spectroscopy, structure and charge distribution. Journal of Colloid and Interface Science, 2004, 278, 282-290.	9.4	88