

Rasoul Rahnemaie

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

991
citations

567281

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642732

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23
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docs citations

23
times ranked

1053
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometry, Charge Distribution, and Surface Speciation of Phosphate on Goethite. <i>Langmuir</i> , 2007, 23, 3680-3689.	3.5	159
2	Nanoparticles in natural systems I: The effective reactive surface area of the natural oxide fraction in field samples. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 41-58.	3.9	136
3	Carbonate adsorption on goethite in competition with phosphate. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 415-425.	9.4	116
4	Inner- and outer-sphere complexation of ions at the goethite-solution interface. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 379-388.	9.4	110
5	A new surface structural approach to ion adsorption: Tracing the location of electrolyte ions. <i>Journal of Colloid and Interface Science</i> , 2006, 293, 312-321.	9.4	106
6	Surface complexation of carbonate on goethite: IR spectroscopy, structure and charge distribution. <i>Journal of Colloid and Interface Science</i> , 2004, 278, 282-290.	9.4	88
7	Adsorption and desorption processes of boron in calcareous soils. <i>Chemosphere</i> , 2010, 80, 733-739.	8.2	45
8	Competitive adsorption of magnesium and calcium with phosphate at the goethite water interface: Kinetics, equilibrium and CD-MUSIC modeling. <i>Chemical Geology</i> , 2016, 437, 19-29.	3.3	38
9	Diffusion of Neutral and Ionic Species in Charged Membranes: Boric Acid, Arsenite, and Water. <i>Analytical Chemistry</i> , 2010, 82, 8438-8445.	6.5	26
10	The interaction of boron with goethite: Experiments and CD-MUSIC modeling. <i>Chemosphere</i> , 2011, 82, 1475-1481.	8.2	25
11	Competitive adsorption-desorption reactions of two hazardous heavy metals in contaminated soils. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13024-13032.	5.3	25
12	Chelate-enhanced phytoextraction and phytostabilization of lead-contaminated soils by carrot (<i>Daucus carota</i>). <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 339-358.	2.6	23
13	An analytical deterministic model for simultaneous phytoremediation of Ni and Cd from contaminated soils. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4609-4620.	5.3	20
14	Interaction of boron with humic acid and natural organic matter: Experiments and modeling. <i>Chemical Geology</i> , 2019, 515, 1-8.	3.3	18
15	Modeling the effects of humic acid and anoxic condition on phosphate adsorption onto goethite. <i>Chemosphere</i> , 2020, 253, 126691.	8.2	18
16	Kinetics of degradation and adsorption-desorption isotherms of thiobencarb and oxadiargyl in calcareous paddy fields. <i>Chemosphere</i> , 2013, 91, 1009-1017.	8.2	10
17	The alleviation of salinity-induced stress by using boron in soilless grown rose. <i>Journal of Plant Nutrition</i> , 2020, 43, 526-537.	1.9	10
18	The vulnerability of calcareous soils exposed to Mg-enriched irrigation water. <i>Land Degradation and Development</i> , 2020, 31, 2295-2306.	3.9	8

#	ARTICLE	IF	CITATIONS
19	Phosphate and methionine affect cadmium uptake in valerian (<i>Valeriana officinalis</i> L.). <i>Plant Physiology and Biochemistry</i> , 2021, 158, 466-474.	5.8	5
20	Magnesium Coprecipitation with Calcite at Low Supersaturation: Implications for Mg-Enriched Water in Calcareous Soils. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 265.	2.0	2
21	Phosphate concentrations and methionine application affect quantitative and qualitative traits of valerian (<i>Valeriana officinalis</i> L.) under hydroponic conditions. <i>Industrial Crops and Products</i> , 2021, 171, 113821.	5.2	1
22	Interactive effect of salinity and Ca to Mg ratio of irrigation water on pistachio growth parameters and its ionic composition in a calcareous soil. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2023, 51, 432-450.	1.3	1
23	Estimation of phosphate extractability in flooded soils: Effect of solid-solution ratio and bicarbonate concentration. <i>Chemosphere</i> , 2022, 303, 135188.	8.2	1