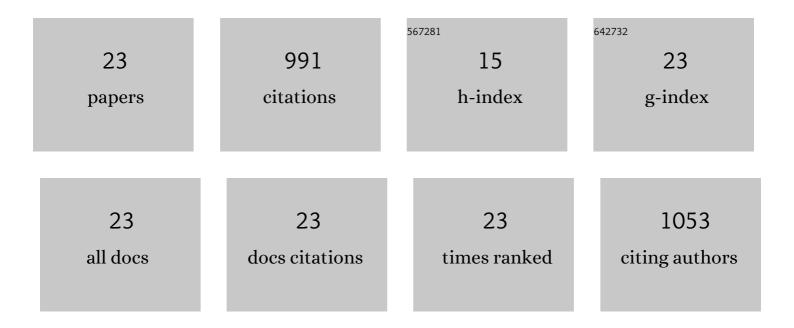
Rasoul Rahnemaie

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Geometry, Charge Distribution, and Surface Speciation of Phosphate on Goethite. Langmuir, 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. Geochimica Et Cosmochimica Acta, 2010, 74, 41-58.	3.9	136
3	Carbonate adsorption on goethite in competition with phosphate. Journal of Colloid and Interface Science, 2007, 315, 415-425.	9.4	116
4	Inner- and outer-sphere complexation of ions at the goethite–solution interface. Journal of Colloid and Interface Science, 2006, 297, 379-388.	9.4	110
5	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
6	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
7	Adsorption and desorption processes of boron in calcareous soils. Chemosphere, 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. Chemical Geology, 2016, 437, 19-29.	3.3	38
9	Diffusion of Neutral and Ionic Species in Charged Membranes: Boric Acid, Arsenite, and Water. Analytical Chemistry, 2010, 82, 8438-8445.	6.5	26
10	The interaction of boron with goethite: Experiments and CD–MUSIC modeling. Chemosphere, 2011, 82, 1475-1481.	8.2	25
11	Competitive adsorption-desorption reactions of two hazardous heavy metals in contaminated soils. Environmental Science and Pollution Research, 2015, 22, 13024-13032.	5.3	25
12	Chelate-enhanced phytoextraction and phytostabilization of lead-contaminated soils by carrot (<i>Daucus carota</i>). Archives of Agronomy and Soil Science, 2016, 62, 339-358.	2.6	23
13	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
14	Interaction of boron with humic acid and natural organic matter: Experiments and modeling. Chemical Geology, 2019, 515, 1-8.	3.3	18
15	Modeling the effects of humic acid and anoxic condition on phosphate adsorption onto goethite. Chemosphere, 2020, 253, 126691.	8.2	18
16	Kinetics of degradation and adsorption–desorption isotherms of thiobencarb and oxadiargyl in calcareous paddy fields. Chemosphere, 2013, 91, 1009-1017.	8.2	10
17	The alleviation of salinity-induced stress by using boron in soilless grown rose. Journal of Plant Nutrition, 2020, 43, 526-537.	1.9	10
18	The vulnerability of calcareous soils exposed to Mgâ€enriched irrigation water. Land Degradation and Development, 2020, 31, 2295-2306.	3.9	8

#	Article	IF	CITATIONS
19	Phosphate and methionine affect cadmium uptake in valerian (Valeriana officinalis L.). Plant Physiology and Biochemistry, 2021, 158, 466-474.	5.8	5
20	Magnesium Coprecipitation with Calcite at Low Supersaturation: Implications for Mg-Enriched Water in Calcareous Soils. Minerals (Basel, Switzerland), 2022, 12, 265.	2.0	2
21	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
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. New Zealand Journal of Crop and Horticultural Science, 2023, 51, 432-450.	1.3	1
23	Estimation of phosphate extractability in flooded soils: Effect of solid-solution ratio and bicarbonate concentration. Chemosphere, 2022, 303, 135188.	8.2	1