Xingmin Rong

List of Publications by Year
in descending order

38 papers	1,568 citations	279798 23 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	1519 citing authors

#	Article	IF	Citations
1	Warming and humidification mediated changes of DOM composition in an Alfisol. Science of the Total Environment, 2022, 805, 150198.	8.0	11
2	Roles of hydrogen bond and ion bridge in adsorption of two bisphenols onto montmorillonite: an experimental and DFT study. Applied Clay Science, 2022, 217, 106406.	5.2	17
3	Calorimetric analysis. , 2022, , .		0
4	Crystal face-dependent methylmercury adsorption onto mackinawite (FeS) nanocrystals: A DFT-D3 study. Chemical Engineering Journal, 2021, 420, 127594.	12.7	16
5	Glyphosate adsorption onto kaolinite and kaolinite-humic acid composites: Experimental and molecular dynamics studies. Chemosphere, 2021, 263, 127979.	8.2	41
6	Cadmium and proton adsorption onto a halophilic archaeal species: The role of cell envelope sulfhydryl sites. Geochimica Et Cosmochimica Acta, 2020, 276, 186-197.	3.9	2
7	Role of interfacial reactions in biodegradation: A case study in a montmorillonite, Pseudomonas sp. Z1 and methyl parathion ternary system. Journal of Hazardous Materials, 2019, 365, 245-251.	12.4	19
8	Effects of Interfaces of Goethite and Humic Acid-Goethite Complex on Microbial Degradation of Methyl Parathion. Frontiers in Microbiology, 2018, 9, 1748.	3.5	19
9	Copper adsorption on composites of goethite, cells of <scp>P</scp>seudomonas putida and humic acid. European Journal of Soil Science, 2017, 68, 514-523.	3.9	24
10	Characterization and Cu sorption properties of humic acid from the decomposition of rice straw. Environmental Science and Pollution Research, 2017, 24, 23744-23752.	5.3	7
11	Surface complexation modeling of Cd(II) sorption to montmorillonite, bacteria, and their composite. Biogeosciences, 2016, 13, 5557-5566.	3.3	21
12	Cd(II) Sorption on Montmorillonite-Humic acid-Bacteria Composites. Scientific Reports, 2016, 6, 19499.	3.3	49
13	Competitive adsorption of Pb and Cd on bacteriaâ€“montmorillonite composite. Environmental Pollution, 2016, 218, 168-175.	7.5	71
14	Cadmium adsorption on bacteriaâ€“mineral mixtures: effect of naturally occurring ligands. European Journal of Soil Science, 2016, 67, 641-649.	3.9	22
15	Effects of humic acid on adhesion of Bacillus subtilis to phyllosilicates and goethite. Chemical Geology, 2015, 416, 19-27.	3.3	29
16	Soil Colloids and Minerals Modulate Metabolic Activity ofPseudomonas putidaMeasured Using Microcalorimetry. Geomicrobiology Journal, 2014, 31, 590-596.	2.0	46
17	Effects of Solution Chemistry on Bacterial Adhesion with Phyllosilicates and Goethite Explained by the Extended DLVO Theory. Geomicrobiology Journal, 2014, 31, 419-430.	2.0	21
18	Interfacial interaction between methyl parathion-degrading bacteria and minerals is important in biodegradation. Biodegradation, 2014, 25, 1-9.	3.0	22

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19	In situ ATR-FTIR study on the adhesion of Pseudomonas putida to Red soil colloids. Journal of Soils and Sediments, 2014, 14, 504-514.	3.0	29
20	Biodegradation of methyl parathion in the presence of goethite: The effect of Pseudomonas sp. Z1 adhesion. International Biodeterioration and Biodegradation, 2014, 86, 294-299.	3.9	9
21	Adhesion of Pseudomonas putida onto kaolinite at different growth phases. Chemical Geology, 2014, 390, 1-8.	3.3	39
22	The effect of extracellular polymeric substances on the adhesion of bacteria to clay minerals and goethite. Chemical Geology, 2013, 360-361, 118-125.	3.3	60
23	Sorption of Streptococcus suis on various soil particles from an Alfisol and effects on pathogen metabolic activity. European Journal of Soil Science, 2012, 63, 558-564.	3.9	18
24	Initial adhesion of Bacillus subtilis on soil minerals as related to their surface properties. European Journal of Soil Science, 2012, 63, 457-466.	3.9	78
25	Adsorption of Pseudomonas putida on soil particle size fractions: effects of solution chemistry and organic matter. Journal of Soils and Sediments, 2012, 12, 143-149.	3.0	37
26	Effects of low-molecular-weight organic ligands and phosphate on adsorption of Pseudomonas putida by clay minerals and iron oxide. Colloids and Surfaces B: Biointerfaces, 2011, 82, 147-151.	5.0	46
27	Binding characteristics of copper and cadmium by cyanobacterium Spirulina platensis. Journal of Hazardous Materials, 2011, 190, 810-815.	12.4	95
28	Effects of Temperature, pH and Salt Concentrations on the Adsorption ofBacillus subtilison Soil Clay Minerals Investigated by Microcalorimetry. Geomicrobiology Journal, 2011, 28, 686-691.	2.0	26
29	Microcalorimetric and potentiometric titration studies on the adsorption of copper by P. putida and B. thuringiensis and their composites with minerals. Journal of Hazardous Materials, 2010, 181, 1031-1038.	12.4	59
30	Pseudomonas putida adhesion to goethite: Studied by equilibrium adsorption, SEM, FTIR and ITC. Colloids and Surfaces B: Biointerfaces, 2010, 80, 79-85.	5.0	71
31	Conformation, activity and proteolytic stability of acid phosphatase on clay minerals and soil colloids from an Alfisol. Colloids and Surfaces B: Biointerfaces, 2009, 74, 279-283.	5.0	18
32	Adsorption and biodegradation of carbaryl on montmorillonite, kaolinite and goethite. Applied Clay Science, 2009, 46, 102-108.	5.2	64
33	Interaction of Pseudomonas putida with kaolinite and montmorillonite: A combination study by equilibrium adsorption, ITC, SEM and FTIR. Colloids and Surfaces B: Biointerfaces, 2008, 64, 49-55.	5.0	146
34	Microcalorimetric investigation on the metabolic activity of Bacillus thuringiensis as influenced by kaolinite, montmorillonite and goethite. Applied Clay Science, 2007, 38, 97-103.	5.2	49
35	Isothermal Microcalorimetry: A Review of Applications in Soil and Environmental Sciences. Pedosphere, 2007, 17, 137-145.	4.0	42
36	Effects of low-molecular-weight organic ligands and phosphate on DNA adsorption by soil colloids and minerals. Colloids and Surfaces B: Biointerfaces, 2007, 54, 53-59.	5.0	44

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37	Adsorption of Pseudomonas putida on clay minerals and iron oxide. Colloids and Surfaces B: Biointerfaces, 2007, 54, 217-221.	5.0	162
38	Microcalorimetric studies on the adsorption of DNA by soil colloidal particles. Colloids and Surfaces B: Biointerfaces, 2006, 49, 49-54.	5.0	39