

# Raul E Martinez

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

888  
citations

471509

17  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Intrinsic Bacterial Surface Acidity Constants using a Donnan Shell Model and a Continuous pKa Distribution Method. <i>Journal of Colloid and Interface Science</i> , 2002, 253, 130-139.	9.4	156
2	Surface charge and zeta-potential of metabolically active and dead cyanobacteria. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 317-325.	9.4	87
3	Proton-Binding Capacity of <i>Staphylococcus aureus</i> Wall Teichoic Acid and Its Role in Controlling Autolysin Activity. <i>PLoS ONE</i> , 2012, 7, e41415.	2.5	71
4	Cadmium complexation by bacteriogenic iron oxides from a subterranean environment. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 82-89.	9.4	57
5	Nickel partitioning in biogenic and abiogenic ferrihydrite: The influence of silica and implications for ancient environments. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 65-79.	3.9	56
6	Do photosynthetic bacteria have a protective mechanism against carbonate precipitation at their surfaces?. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1329-1337.	3.9	47
7	Chemical Equilibrium Modeling Techniques for the Analysis of High-Resolution Bacterial Metal Sorption Data. <i>Journal of Colloid and Interface Science</i> , 2001, 243, 73-80.	9.4	45
8	Surface binding site analysis of Ca <sup>2+</sup> -homoionized clay-humic acid complexes. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 526-534.	9.4	43
9	Modeling of rare earth element sorption to the Gram positive <i>Bacillus subtilis</i> bacteria surface. <i>Journal of Colloid and Interface Science</i> , 2014, 413, 106-111.	9.4	37
10	Modeling lanthanide series binding sites on humic acid. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 45-50.	9.4	36
11	Effect of rare earth elements on rice plant growth. <i>Chemical Geology</i> , 2018, 489, 28-37.	3.3	35
12	Experimental studies of bacteria-iodide adsorption interactions. <i>Chemical Geology</i> , 2004, 212, 229-238.	3.3	31
13	Cadmium inhibits both intrinsic and extrinsic apoptotic pathways in renal mesangial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F1074-F1082.	2.7	29
14	Surface Chemical Heterogeneity of Bacteriogenic Iron Oxides from a Subterranean Environment. <i>Environmental Science &amp; Technology</i> , 2003, 37, 5671-5677.	10.0	28
15	Phytoplankton contributions to the trace-element composition of Precambrian banded iron formations. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 941-951.	3.3	28
16	Effect of Cadmium, Copper and Lead on the Growth of Rice in the Coal Mining Region of Quang Ninh, Cam-Pha (Vietnam). <i>Sustainability</i> , 2018, 10, 1758.	3.2	22
17	Interaction of metals and protons with anoxygenic phototrophic bacteria <i>Rhodobacter blasticus</i> . <i>Chemical Geology</i> , 2013, 335, 75-86.	3.3	21
18	Open-pit coal-mining effects on rice paddy soil composition and metal bioavailability to <i>Oryza sativa</i> L. plants in Cam Pha, northeastern Vietnam. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7686-7698.	5.3	15

#	ARTICLE	IF	CITATIONS
19	Quantifying the kinetics of olivine dissolution in partially closed and closed batch reactor systems. <i>Chemical Geology</i> , 2014, 367, 1-12.	3.3	14
20	Effects of freshwater <i>Synechococcus</i> sp. cyanobacteria pH buffering on CaCO <sub>3</sub> precipitation: Implications for CO <sub>2</sub> sequestration. <i>Applied Geochemistry</i> , 2016, 75, 76-89.	3.0	13
21	Surface reactivity of the anaerobic phototrophic Fe(II)-oxidizing bacterium <i>Rhodovulum iodolum</i> : Implications for trace metal budgets in ancient oceans and banded iron formations. <i>Chemical Geology</i> , 2016, 442, 113-120.	3.3	12
22	Effects of <i>Synechococcus</i> sp. cyanobacteria inert biomass on olivine dissolution: Implications for the application of enhanced weathering methods. <i>Applied Geochemistry</i> , 2017, 84, 162-172.	3.0	5