Sergio E Ruiz-Hernandez

List of Publications by Year
in descending order

12 papers	178 citations	1162889 8 h-index	1199470 12 g-index
12 all docs	12 docs citations	12 times ranked	295 citing authors

#	Article	IF	Citations
1	Controlling CaCO₃ Particle Size with {Ca²⁺}:{CO₃^{2â€“}} Ratios in Aqueous Environments. Crystal Growth and Design, 2021, 21, 1576-1590.	1.4	12
2	A molecular dynamics study of the effect of water diffusion into bio-active phosphate-based glass surfaces on their dissolution behaviour. Journal of Non-Crystalline Solids, 2020, 548, 120332.	1.5	4
3	Reconsidering Calcium Dehydration as the Rate-Determining Step in Calcium Mineral Growth. Journal of Physical Chemistry C, 2019, 123, 26895-26903.	1.5	14
4	Self-assembling of calcium salt of the new DNA base 5-carboxylcytosine. Applied Surface Science, 2017, 407, 297-306.	3.1	3
5	Structures and properties of phosphate-based bioactive glasses from computer simulation: a review. Journal of Materials Chemistry B, 2017, 5, 5297-5306.	2.9	19
6	Molecular dynamics simulations of bio-active phosphate-based glass surfaces. Journal of Non-Crystalline Solids, 2016, 451, 131-137.	1.5	8
7	Effect of Chondroitin 4-Sulfate on the Growth and Morphology of Calcium Oxalate Monohydrate: A Molecular Dynamics Study. Crystal Growth and Design, 2015, 15, 4438-4447.	1.4	8
8	The effect of water on the binding of glycosaminoglycan saccharides to hydroxyapatite surfaces: a molecular dynamics study. Physical Chemistry Chemical Physics, 2015, 17, 22377-22388.	1.3	26
9	Cobalt incorporation in calcite: Thermochemistry of (Ca,Co)CO 3 solid solutions from density functional theory simulations. Geochimica Et Cosmochimica Acta, 2014, 142, 205-216.	1.6	18
10	Density functional theory and interatomic potential study of structural, mechanical and surface properties of calcium oxalate materials. RSC Advances, 2012, 2, 4664.	1.7	22
11	Mg/Ca Partitioning Between Aqueous Solution and Aragonite Mineral: A Molecular Dynamics Study. Chemistry - A European Journal, 2012, 18, 9828-9833.	1.7	10
12	Thermochemistry of strontium incorporation in aragonite from atomistic simulations. Geochimica Et Cosmochimica Acta, 2010, 74, 1320-1328.	1.6	34