Matthew A Hood

List of Publications by Year
in descending order

13	999	759233 12	1058476 14
papers	citations	h-index	g-index

14	14	14	1805
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A hydrated crystalline calcium carbonate phase: Calcium carbonate hemihydrate. Science, 2019, 363, 396-400.	12.6	153
2	Calcium-Induced Molecular Rearrangement of Peptide Folds Enables Biomineralization of Vaterite Calcium Carbonate. Journal of the American Chemical Society, 2018, 140, 2793-2796.	13.7	46
3	Chitosan nanoparticles affect polymorph selection in crystallization of calcium carbonate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 540, 48-52.	4.7	13
4	Controlling hydrophobicity of silica nanocapsules prepared from organosilanes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 172-177.	4.7	10
5	Lattice distortions in coccolith calcite crystals originate from occlusion of biomacromolecules. Journal of Structural Biology, 2016, 196, 147-154.	2.8	21
6	A vacuole-like compartment concentrates a disordered calcium phase in a key coccolithophorid alga. Nature Communications, 2016, 7, 11228.	12.8	144
7	Hybrid Poly(urethaneâ€“urea)/Silica Nanocapsules with pH-Sensitive Gateways. Chemistry of Materials, 2015, 27, 4311-4318.	6.7	15
8	Biomimetic vaterite formation at surfaces structurally templated by oligo(glutamic acid) peptides. Chemical Communications, 2015, 51, 15902-15905.	4.1	21
9	Synthetic Strategies in the Preparation of Polymer/Inorganic Hybrid Nanoparticles. Materials, 2014, 7, 4057-4087.	2.9	149
10	The Role of Residue Acidity on the Stabilization of Vaterite by Amino Acids and Oligopeptides. Crystal Growth and Design, 2014, 14, 1077-1085.	3.0	43
11	Extraordinarily high plastic deformation in polyurethane/silica nanoparticle nanocomposites with low filler concentrations. Polymer, 2013, 54, 6510-6515.	3.8	22
12	Morphology control of segmented polyurethanes by crystallization of hard and soft segments. Polymer, 2010, 51, 2191-2198.	3.8	127
13	Carbon nanotube induced polymer crystallization: The formation of nanohybrid shishâ€“kebabs. Polymer, 2009, 50, 953-965.	3.8	234