Guillermo AvendaÃ±o-Franco

List of Publications by Year
in descending order

12 papers	324 citations	1163065 8 h-index	1199563 12 g-index
13 all docs	13 docs citations	13 times ranked	599 citing authors

#	Article	IF	Citations
1	Exploring DFT+U parameter space with a Bayesian calibration assisted by Markov chain Monte Carlo sampling. Npj Computational Materials, 2021, 7, .	8.7	8
2	Structural and electronic properties of Fe-doped silver delafossites: AgAl1â^'xFexO2 and AgGa1â^'xFexO2 (xâ€¯=â€¯1â€“5%). Computational Materials Science, 2019, 170, 109173.	3.0	2
3	A Machine-Driven Hunt for Global Reaction Coordinates of Azobenzene Photoisomerization. Journal of the American Chemical Society, 2018, 140, 285-290.	13.7	39
4	Structural search for stable Mgâ€“Ca alloys accelerated with a neural network interatomic model. Physical Chemistry Chemical Physics, 2018, 20, 27545-27557.	2.8	19
5	Machine-Learning Prediction of CO Adsorption in Thiolated, Ag-Alloyed Au Nanoclusters. Journal of the American Chemical Society, 2018, 140, 17508-17514.	13.7	104
6	Firefly Algorithm Applied to Noncollinear Magnetic Phase Materials Prediction. Journal of Chemical Theory and Computation, 2018, 14, 4455-4466.	5.3	9
7	Design of Mg alloys: The effects of Li concentration on the structure and elastic properties in the Mg-Li binary system by first principles calculations. Journal of Alloys and Compounds, 2017, 691, 15-25.	5.5	41
8	Investigation of novel crystal structures of Biâ€“Sb binaries predicted using the minima hopping method. Physical Chemistry Chemical Physics, 2016, 18, 29771-29785.	2.8	37
9	Firefly Algorithm for Structural Search. Journal of Chemical Theory and Computation, 2016, 12, 3416-3428.	5.3	36
10	Interstellar condensed (icy) amino acids and precursors: theoretical absorption and circular dichroism under UV and soft X-ray irradiation. Monthly Notices of the Royal Astronomical Society, 2014, 440, 494-503.	4.4	7
11	Time-dependent density functional theory study of charge transfer in collisions. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	21
12	Higher Landau levels contribution to the energy of interacting electrons in a quantum dot. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 30, 134-137.	2.7	1