Hamza Allal

List of Publications by Year
in descending order

15	267	1163117 8	996975 15
papers	citations	h-index	g-index

16	16	16	182
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A DFT investigation of the hostâ€“guest interactions between boron-based aromatic systems and Î²-cyclodextrin. Structural Chemistry, 2022, 33, 195-206.	2.0	8
2	Experimental and theoretical study on corrosion inhibition of pyridinium salts derivatives for API 5L Gr.B steel in acidic media. Journal of Adhesion Science and Technology, 2022, 36, 2245-2268.	2.6	7
3	Corrosion Inhibition Performance of Two Ketene Dithioacetal Derivatives for Stainless Steel in Hydrochloric Acid Solution. Journal of Electrochemical Science and Technology, 2022, 13, 237-253.	2.2	3
4	Adsorption of Benzene-1,4-diol, 3-Methyl-1,2-cyclopentanedione and 2,6-Dimethoxyphenol on aluminium (1 1 1) plane using density functional theory calculations. Chemical Physics, 2022, 560, 111592.	1.9	3
5	Inclusion complexation of chloroquine with Î± and Î²-cyclodextrin: Theoretical insights from the new B97-3c composite method. Journal of Molecular Structure, 2021, 1227, 129696.	3.6	21
6	Structural, QSAR, machine learning and molecular docking studies of 5-thiophen-2-yl pyrazole derivatives as potent and selective cannabinoid-1 receptor antagonists. New Journal of Chemistry, 2021, 45, 17796-17807.	2.8	5
7	Chemical Composition and Antioxidant, Anti-Inflammatory, and Enzyme Inhibitory Activities of an Endemic Species from Southern Algeria: Warionia saharae. Molecules, 2021, 26, 5257.	3.8	8
8	Quantum chemical exploration on the inhibition performance of indole and some of its derivatives against copper corrosion. Journal of Molecular Liquids, 2021, 340, 117136.	4.9	11
9	A Dispersion Corrected DFT Investigation of the Inclusion Complexation of Dexamethasone with Î²-Cyclodextrin and Molecular Docking Study of Its Potential Activity against COVID-19. Molecules, 2021, 26, 7622.	3.8	9
10	DFT computations and molecular dynamics investigations on conformers of some pyrazinamide derivatives as corrosion inhibitors for aluminum. Journal of Molecular Liquids, 2020, 300, 112309.	4.9	54
11	Synthesis, crystal structure, spectroscopic and hirshfeld surface analysis, NCI-RDG, DFT computations and antibacterial activity of new asymmetrical azines. Journal of Molecular Structure, 2020, 1217, 128376.	3.6	23
12	Structural, electronic, and energetic investigations of acrolein adsorption on B36 borophene nanosheet: a dispersion-corrected DFT insight. Journal of Molecular Modeling, 2020, 26, 128.	1.8	21
13	Structural and energetic investigation on the host/guest inclusion process of benzyl isothiocyanate into Î²-cyclodextrin using dispersion-corrected DFT calculations. Carbohydrate Research, 2020, 491, 107980.	2.3	18
14	Inhibition of Carbon Steel Corrosion in HCl and H2SO4 Solutions by Ethyl 2-Cyano-2-(1,3-dithian-2-ylidene) Acetate. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	10
15	Computational study of some thiophene derivatives as aluminium corrosion inhibitors. Journal of Molecular Liquids, 2018, 265, 668-678.	4.9	66