

Hamza Allal

List of Publications by Year in descending order

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15
papers

267
citations

1163117

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996975

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16
all docs

16
docs citations

16
times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational study of some thiophene derivatives as aluminium corrosion inhibitors. Journal of Molecular Liquids, 2018, 265, 668-678.	4.9	66
2	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
3	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
4	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
5	Inclusion complexation of chloroquine with $\hat{1}\pm$ and $\hat{1}^2$ -cyclodextrin: Theoretical insights from the new B97-3c composite method. Journal of Molecular Structure, 2021, 1227, 129696.	3.6	21
6	Structural and energetic investigation on the host/guest inclusion process of benzyl isothiocyanate into $\hat{1}^2$ -cyclodextrin using dispersion-corrected DFT calculations. Carbohydrate Research, 2020, 491, 107980.	2.3	18
7	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
8	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
9	A Dispersion Corrected DFT Investigation of the Inclusion Complexation of Dexamethasone with $\hat{1}^2$ -Cyclodextrin and Molecular Docking Study of Its Potential Activity against COVID-19. Molecules, 2021, 26, 7622.	3.8	9
10	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
11	A DFT investigation of the host-guest interactions between boron-based aromatic systems and $\hat{1}^2$ -cyclodextrin. Structural Chemistry, 2022, 33, 195-206.	2.0	8
12	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
13	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
14	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
15	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