

Rifaat Hilal

List of Publications by Year in descending order

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docs citations

23
times ranked

159
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodissociation of 1,2-dioxetane: An excited state nonadiabatic dynamics study. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100440.	1.3	1
2	Solvent-assisted excited state proton transfer and photoacidity of 2-hydroxypyridine. A nonadiabatic dynamics study. <i>Molecular Simulation</i> , 2019, 45, 165-177.	0.9	3
3	Time dependent $\hat{\epsilon}^{\omega}$ density functional theory characterization of organic dyes for dye-sensitized solar cells. <i>Molecular Simulation</i> , 2017, 43, 1523-1531.	0.9	22
4	Unconventional $\text{CH}^{\delta+}\cdots\text{N}^{\delta-}$ hydrogen bonding interactions in the stepwise solvation of the naphthalene radical cation by hydrogen cyanide and acetonitrile molecules. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2580-2590.	1.3	5
5	A QSAR study for 2-(4-aminophenyl)benzothiazoles: using DFT optimisation of geometry of molecules. <i>Molecular Simulation</i> , 2011, 37, 62-71.	0.9	5
6	Electronic Absorption Spectra of Some Triazolopyrimidine Derivatives. <i>International Journal of Spectroscopy</i> , 2011, 2011, 1-8.	1.4	4
7	Electronic structure of orotic acid III geometric feature and thermal properties of some transition metal orotic acid complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 63, 740-748.	2.0	11
8	Theoretical investigation of the proton affinities of benzazoles in the gas phase and in solution. <i>International Journal of Quantum Chemistry</i> , 2005, 103, 332-343.	1.0	12
9	DFT investigation of sites of protonation of antitumor of 2-(4-aminophenyl)benzazoles in the gas phase and in solution. <i>International Journal of Quantum Chemistry</i> , 2005, 103, 449-459.	1.0	4
10	Equilibrium geometry and gas-phase proton affinity of 2-thiouracil derivatives. <i>International Journal of Quantum Chemistry</i> , 2002, 87, 378-388.	1.0	12
11	Electronic structure of some adenosine receptor antagonists: I. Equilibrium geometries, charge density distributions, and substituent effects. <i>International Journal of Quantum Chemistry</i> , 2002, 87, 389-399.	1.0	0
12	Electronic Structure and Spectra of Some Carbamates INDO/S $\hat{\epsilon}$ Treatment. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1991, 95, 192-197.	0.9	0
13	Electronic structure of the peptide linkage. II. A molecular orbital treatment of the electronic spectra of benzohydroxamic acids. <i>International Journal of Quantum Chemistry</i> , 1985, 27, 115-133.	1.0	2
14	On the electronic structure of transition-metal complexes II. Bonding characteristics in titanium chloride systems. <i>International Journal of Quantum Chemistry</i> , 1985, 28, 715-721.	1.0	2
15	On the electronic structure of transition metal complexes. I. An INDO^{MO} investigation of some octahedral complex ions. <i>International Journal of Quantum Chemistry</i> , 1985, 28, 877-887.	1.0	5
16	Electronic structure of the peptide linkage. I. Equilibrium geometry and electronic properties of formhydroxamic acid. <i>International Journal of Quantum Chemistry</i> , 1984, 26, 183-196.	1.0	17
17	Molecular orbital treatment of phenylfurans and bifurans. <i>International Journal of Quantum Chemistry</i> , 1981, 19, 383-399.	1.0	17
18	Thermal dissociation of 1,2-dioxethane. I. Charge density distribution along the reaction path and in different HF solutions. <i>International Journal of Quantum Chemistry</i> , 1981, 19, 805-819.	1.0	7

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19	Thermal dissociation of 1,2-dioxethane. II. Quantum topology of the charge distributions. International Journal of Quantum Chemistry, 1981, 19, 821-831.	1.0	4
20	Thermal dissociation of 1,2-dioxethane. III. Localized molecular-orbital study. International Journal of Quantum Chemistry, 1981, 19, 833-845.	1.0	3
21	Molecular charge distribution and chemical binding in five-membered heterocycles. I. Journal of Computational Chemistry, 1980, 1, 348-357.	1.5	10
22	Localized molecular orbitals and chemical binding in five-membered heterocycles. II. Journal of Computational Chemistry, 1980, 1, 358-367.	1.5	3
23	Closed-shellSCF-CIMO treatment of all-reactive electrons in complex heteroorganic molecules. International Journal of Quantum Chemistry, 1979, 15, 37-47.	1.0	0