

Saheed A Popoola

List of Publications by Year in descending order

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24
papers

433
citations

840776

11
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752698

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all docs

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docs citations

24
times ranked

383
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver-loaded graphene as an effective SERS substrate for clotrimazole detection: DFT and spectroscopic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 354-361.	3.9	59
2	Characterization of valeric acid using substrate of silver nanoparticles with SERS. <i>Journal of Molecular Liquids</i> , 2019, 273, 536-542.	4.9	57
3	Conformational profile, vibrational assignments, NLO properties and molecular docking of biologically active herbicide 1,1-dimethyl-3-phenylurea. <i>Heliyon</i> , 2019, 5, e01987.	3.2	46
4	Sensitive SERS detection and characterization of procaine in aqueous media by reduced gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127057.	7.8	44
5	Molecular conformational analysis, vibrational spectra, NBO, NLO, HOMO-LUMO and molecular docking studies of ethyl 3-(E)-(anthracen-9-yl)prop-2-enoate based on density functional theory calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 533-542.	3.9	39
6	Spectral characterization, thermochemical studies, periodic SAPT calculations and detailed quantum mechanical profiling various physico-chemical properties of 3,4-dichlorodiuron. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117580.	3.9	26
7	Spectroscopic, DFT and trace detection study of procaine using surface-enhanced Raman scattering technique. <i>Chemical Physics Letters</i> , 2019, 730, 617-622.	2.6	24
8	Iridium complexes as catalysts in the hydrogen transfer of isopropanol to acetophenone: Ligand effects and DFT studies. <i>Inorganica Chimica Acta</i> , 2015, 436, 146-151.	2.4	14
9	Synthesis, Phase Behavior and Computational Simulations of a Pyridyl-Based Liquid Crystal System. <i>Molecules</i> , 2021, 26, 6416.	3.8	13
10	Synthesis, characterization and <i>in vitro</i> cytotoxicity of platinum(II) complexes of selenones [Pt(selenone) ₂ Cl ₂]. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1020-1031.	2.2	12
11	Spectroscopic study of 2-methylindole and 3-methylindole: Solvents interactions and DFT studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 578-585.	3.9	11
12	DFT and Kinetic Evaluation of Chloromethane Removal Using Cost-Effective Activated Carbon. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 4705-4716.	3.0	11
13	Spectroscopic and DFT evaluation of the positional effect of amino group on the properties of aminobenzenesulphonic acid: solvents interactions. <i>Chemical Papers</i> , 2021, 75, 2775-2789.	2.2	9
14	DFT evaluation of the effects of OH, NH ₂ and Br substituents on the properties of 2,2'-bipyridine derivatives. <i>Journal of Taibah University for Science</i> , 2020, 14, 1527-1537.	2.5	8
15	Novel sulphonic acid liquid crystal derivatives: experimental, computational and optoelectrical characterizations. <i>RSC Advances</i> , 2021, 11, 27937-27949.	3.6	8
16	Spectroscopic and theoretical evaluation of the metal-olefin interaction in di- η^5 -chlorobis (1,5-cyclooctadiene) complexes of Ir and Rh. <i>Vibrational Spectroscopy</i> , 2016, 86, 109-123.	2.2	7
17	Effect of the Relative Positions of Di-Laterally Substituted Schiff Base Derivatives: Phase Transition and Computational Investigations. <i>Crystals</i> , 2021, 11, 870.	2.2	7
18	A novel cyclic dinuclear gold(<i>sc</i>) complex induces anticancer activity <i>via</i> an oxidative stress-mediated intrinsic apoptotic pathway in MDA-MB-231 cancer cells. <i>Dalton Transactions</i> , 2022, 51, 2760-2769.	3.3	7

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19	Dimethylphosphinate bridged binuclear Rh(i) catalysts for the alkoxy carbonylation of aromatic C-H bonds. Dalton Transactions, 2016, 45, 16955-16965.	3.3	6
20	Al and Zr Porous Clay Heterostructures as Removal Agents of Basic Blue-41 Dye from an Artificially Polluted Solution: Regeneration Properties and Batch Design. Materials, 2021, 14, 2528.	2.9	6
21	Experimental and Theoretical Investigations of Three-Ring Ester/Azomethine Materials. Materials, 2022, 15, 2312.	2.9	6
22	Spectroscopic and DFT assessment of bridging ligand effect on the structural and electronic properties of dinuclear iridium- and rhodium-based complexes. Inorganica Chimica Acta, 2018, 482, 299-306.	2.4	5
23	Synthesis, spectroscopic characterization and in vitro cytotoxic as well as docking studies of cis-diammine platinum(II) complexes of thiones. Inorganica Chimica Acta, 2019, 484, 347-351.	2.4	5
24	Structural and energetic effect of the intramolecular hydrogen bonding in 4,6-dihaloresorcinols: ab initio calculation, vibrational spectroscopy, and molecular docking studies. Structural Chemistry, 2022, 33, 57-69.	2.0	3