# Tarek EL-Gogary

List of Publications by Year
in descending order

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|---|---|---|---|
| 38 papers | 399 citations | 686830 13 h-index | 794141 19 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 469 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Interaction of anthraquinone anti-cancer drugs with DNA:Experimental and computational quantum chemical study. Journal of Molecular Structure, 2017, 1127, 751-760. | 1.8 | 39 |
| 2 | Interaction of psoralens with DNA-bases (I). An ab initio quantum chemical, density functional theory and second-order MÃ¸llerâ€“Plesset perturbational study. Computational and Theoretical Chemistry, 2007, 808, 97-109. | 1.5 | 32 |
| 3 | Noncovalent attachment of psoralen derivatives with DNA: Hartreeâ€“Fock and density functional studies on the probes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 2635-2644. | 2.0 | 27 |
| 4 | Ab-Initio molecular geometry and normal coordinate analysis of pyrrolidine molecule. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 2647-2657. | 2.0 | 25 |
| 5 | Thermo-kinetic theoretical studies on pyrolysis of dimethoxymethane fuel additive. Fuel, 2021, 290, 119970. | 3.4 | 22 |
| 6 | Temperature and substituent effects on the dissociation constants of 5-azorhodanine derivatives. Semi-empirical quantum mechanical calculation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2002, 58, 447-455. | 2.0 | 21 |
| 7 | Spectroscopic studies of molecular interactions involving 2,6-diethylaniline and N-ethylaniline donors and iodine as an electron acceptor in different solvents. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 66, 94-101. | 2.0 | 19 |
| 8 | Synthesis, characterization and quantum chemical ab initio calculations of new dimeric aminocyclodiphosph(V)azane and its Co(II), Ni(II) and Cu(II) complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 414-422. | 2.0 | 18 |
| 9 | Computational Studies on the Thermodynamic and Kinetic Parameters of Oxidation of 2-Methoxyethanol Biofuel via H-Atom Abstraction by Methyl Radical. Scientific Reports, 2019, 9, 15361. | 1.6 | 17 |
| 10 | Interaction of psoralens with DNA-bases (II): An ab initio quantum chemical, density functional theory and second-order MÃ¨ller-Plesset perturbational study. Computational and Theoretical Chemistry, 2009, 895, 57-64. | 1.5 | 16 |
| 11 | Synthesis of novel anthraquinones: Molecular structure, molecular chemical reactivity descriptors and interactions with DNA as antibiotic and anti-cancer drugs. Journal of Molecular Structure, 2017, 1130, 799-809. | 1.8 | 16 |
| 12 | Geometry and thermodynamic stabilities of rhodanine tautomers and rotamers: Quantum chemical study. Computational and Theoretical Chemistry, 2009, 907, 66-73. | 1.5 | 15 |
| 13 | Ab-initio molecular geometry and normal coordinate analysis of tetrahydrothiophene molecule. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 1405-1415. | 2.0 | 14 |
| 14 | Ab initio-based kinetics of hydrogen atom abstraction from methyl propionate by H and CH3 radicals: a biodiesel model. Structural Chemistry, 2021, 32, 1857-1872. | 1.0 | 12 |
| 15 | Molecular complexes of some anthraquinone anti-cancer drugs: experimental and computational study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 1009-1015. | 2.0 | 11 |
| 16 | Spectroscopic and quantum chemical studies on the structure of 2-arylquinoline-4(1H)-thione derivatives. Journal of Molecular Structure, 2004, 690, 151-157. | 1.8 | 11 |
| 17 | Quantum chemical calculations and experimental investigations on 2-aminobenzoic acid-cyclodiphosph(V)azane derivative and its homo-binuclear Cu(II) complex. Journal of Molecular Structure, 2012, 1011, 50-58. | 1.8 | 10 |
| 18 | Origin of reverse stability of diphosphouracil tautomers compared to their analogue uracil: DFT and ab initio study. Computational and Theoretical Chemistry, 2008, 851, 54-62. | 1.5 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Theoretical and experimental studies on anticancer drug mitoxantrone. Journal of Molecular Structure, 2018, 1173, 837-847. | 1.8 | 8 |
| 20 | First-principle kinetic studies of unimolecular pyrolysis of isopropyl esters as biodiesel surrogates. Theoretical Chemistry Accounts, 2021, 140, 1. | 0.5 | 8 |
| 21 | Umbrella inversion and structure of phosphorus-containing compounds: A quantum chemical study. Journal of Theoretical and Computational Chemistry, 2018, 17, 1850042. | 1.8 | 7 |
| 22 | Oxidation of Methyl Propanoate by the OH Radical. Russian Journal of Physical Chemistry A, 2018, 92, 2476-2484. | 0.1 | 6 |
| 23 | Molecular mechanics, quantum mechanics, potentiometric, and conductometric studies on the complexes of some rare earth metals with 5-azorhodanine derivatives. International Journal of Quantum Chemistry, 2003, 91, 685-694. | 1.0 | 5 |
| 24 | Characterization, Hirshfeld surface analysis, DFT study and an in vitro Î±-glucosidase/Î±-amylase/radical scavenging profiling of novel 5-styryl-2-(4-tolylsulfonamido) chalcones. Journal of Molecular Structure, 2021, 1245, 131090. | 1.8 | 5 |
| 25 | Structure, stability, energy barrier and ionization energies of chemically modified DNA-bases: Quantum chemical calculations on 37 favored and rare tautomeric forms of tetraphosphoadenine. Computational and Theoretical Chemistry, 2015, 1052, 35-41. | 1.1 | 4 |
| 26 | Synthesis and Chemical Transformation of 2-iodomethyl-1-(phenylmethyl)-1,5,6,7-tetrahydroindol-4-ones. Journal of Chemical Research, 2008, 2008, 227-231. | 0.6 | 3 |
| 27 | Structure and Stability of Chemically Modified DNA Bases: Quantum Chemical Calculations on 16 Isomers of Diphosphocytosine. , 2013, 2013, 1-10. | | 3 |
| 28 | Design, Synthesis and Biological Evaluation of Pyrido[2,3-d] Pyrimidine Derivatives as Potential Anticancer Agents. Letters in Drug Design and Discovery, 2018, 15, 1240-1251. | 0.4 | 3 |
| 29 | Utilization of nicotinonitrile-2-thiol in the synthesis of new thiepino[2,3-b]pyridine derivative as an in vitro novel antitumor potent. Medicinal Chemistry Research, 2013, 22, 1674-1678. | 1.1 | 2 |
| 30 | Synthesis, spectroscopic, thermal and quantum chemical studies on trivalent erbium NO chelating sulfamonomethoxineâ€“cyclophosph(V)azane complex. Journal of Molecular Structure, 2013, 1048, 202-209. | 1.8 | 2 |
| 31 | Synthesis, spectral and quantum chemical studies on NO-chelating sulfamonomethoxineâ€“cyclophosph(V)azane and its Er(III) complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 724-729. | 2.0 | 2 |
| 32 | Adsorption of Cu<sup>2+</sup> and Mg<sup>2+</sup> ions on silica gel derived from rice hulls ash: Experimental and theoretical studies. Journal of Theoretical and Computational Chemistry, 2019, 18, 1950026. | 1.8 | 2 |
| 33 | Spectroscopic and Quantum Mechanical Studies of Substituted Anilines and their Charge-Transfer Complexes with Iodine in Different Solvents. Monatshefte FÃ¼r Chemie, 2006, 137, 1027-1042. | 0.9 | 1 |
| 34 | Quantum chemical studies on the potentially important imidates. Computational and Theoretical Chemistry, 2008, 861, 62-67. | 1.5 | 1 |
| 35 | Interaction of angelicin with DNA-bases (III) DFT and ab initio second-order Moeller-Plesset study. International Journal of Quantum Chemistry, 2010, 110, 1445-1454. | 1.0 | 1 |
| 36 | Spectral and quantum chemical studies on 1,3-bis(N1-4-amino-6-methoxypyrimidinebenzenesulfonamide-2,2,4,4-ethane-1,2-dithiol)-2,4-dichlorocyclodiphosph(V)azane and its erbium complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 481-487. | 2.0 | 1 |

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| 37 | A thermochemistry and kinetic study on the thermal decomposition of ethoxyquinoline and ethoxyisoquinoline. International Journal of Chemical Kinetics, 2018, 50, 604-611. | 1.0 | 1 |
| 38 | Heteroaromatization with 4-phenyldiazenyl-1-naphthol. Part III: One-pot synthesis and DFT study of 4H-naphthopyran derivatives. European Journal of Chemistry, 2017, 8, 358-366. | 0.3 | 0 |