

Abdo-Reza Nekoei

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Nanoencapsulation of quercetin and curcumin in casein-based delivery systems. <i>Food Hydrocolloids</i> , 2019, 87, 394-403. | 10.7 | 141 |
| 2 | Vibrational assignment and structure of dibenzoylmethane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 394-404. | 3.9 | 57 |
| 3 | Efficient delivery of quercetin after binding to beta-lactoglobulin followed by formation soft-condensed core-shell nanostructures. <i>Food Chemistry</i> , 2017, 233, 282-289. | 8.2 | 50 |
| 4 | Development of casein-based nanoencapsulation systems for delivery of epigallocatechin gallate and folic acid. <i>Food Science and Nutrition</i> , 2019, 7, 519-527. | 3.4 | 37 |
| 5 | Vibrational assignment and structure of trifluorobenzoylacetone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 626-636. | 3.9 | 34 |
| 6 | Vibrational assignment and structure of benzoylacetone: A density functional theoretical study. <i>Journal of Molecular Structure</i> , 2006, 794, 204-214. | 3.6 | 33 |
| 7 | Conformation and vibrational spectra and assignment of 2-thenoyltrifluoroacetone. <i>Journal of Molecular Structure</i> , 2009, 932, 112-122. | 3.6 | 31 |
| 8 | π -Hydrogen bonding and aromaticity: a systematic interplay study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 623-630. | 2.8 | 29 |
| 9 | Structure and vibrational assignment of bis(benzoylacetato)copper(II). <i>Journal of Molecular Structure</i> , 2014, 1058, 308-317. | 3.6 | 28 |
| 10 | Theoretical study, and infrared and Raman spectra of copper(II) chelated complex with dibenzoylmethane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 272-279. | 3.9 | 21 |
| 11 | An intramolecular hydrogen bond study in some Schiff bases of fulvene: a challenge between the RAHB concept and the β -skeleton influence. <i>New Journal of Chemistry</i> , 2014, 38, 5886-5891. | 2.8 | 20 |
| 12 | Structure, intramolecular hydrogen bonding, and vibrational spectra of 2,2,6,6-tetramethyl-3,5-heptanedione. <i>Journal of Molecular Structure</i> , 2010, 970, 160-170. | 3.6 | 19 |
| 13 | 8-Bromocaffeine (8-BC): A New Versatile Reagent for Conversion of α -Aldoximes into Nitriles. <i>Synlett</i> , 2012, 23, 1191-1198. | 1.8 | 18 |
| 14 | Conformational stability, molecular structure, intramolecular hydrogen bonding, and vibrational spectra of 5,5-dimethylhexane-2,4-dione. <i>Journal of Molecular Structure</i> , 2011, 998, 99-109. | 3.6 | 17 |
| 15 | Conformation, molecular structure, and intramolecular hydrogen bonding of 1,1,1-trifluoro-5,5-dimethyl-2,4-hexanedione. <i>Journal of Molecular Structure</i> , 2012, 1021, 102-111. | 3.6 | 17 |
| 16 | Conformational analysis, intramolecular hydrogen bonding, and vibrational assignment of 4,4-dimethyl-1-phenylpentane-1,3-dione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 284-298. | 3.9 | 17 |
| 17 | Intramolecular hydrogen bonding and vibrational assignment of 1,1,1-trifluoro-5,5-dimethyl-2,4-hexanedione. <i>Journal of Molecular Structure</i> , 2014, 1076, 262-271. | 3.6 | 17 |
| 18 | RAHB concept and β -skeleton in some oximes of 3-hydroxy fulvene; DFT, AIM, ELF and NBO studies. <i>Structural Chemistry</i> , 2015, 26, 1039-1048. | 2.0 | 16 |

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|----|--|-----|-----------|
| 19 | Metal oxide adsorption on fullerene C ₆₀ and its potential for adsorption of pollutant gases; density functional theory studies. RSC Advances, 2021, 11, 17377-17390. | 3.6 | 15 |
| 20 | Conformation, structure, intramolecular hydrogen bonding, and vibrational assignment of 4,4,4-trifluoro-1-(2-furyl)-1,3-butanedione. Journal of Molecular Structure, 2008, 882, 153-167. | 3.6 | 12 |
| 21 | Ion-flotation Separation of Cd(II), Co(II) and Pb(II) Traces Using a New Ligand before Their Flame Atomic Absorption Spectrometric Determinations in Colored Hair and Dryer Agents of Paint. Journal of the Chinese Chemical Society, 2011, 58, 199-206. | 1.4 | 12 |
| 22 | CONFORMATIONAL STABILITY, MOLECULAR STRUCTURE, AND INTRAMOLECULAR HYDROGEN BONDING OF THENOYLTRIFLUOROACETONE. Journal of Theoretical and Computational Chemistry, 2006, 05, 647-664. | 1.8 | 11 |
| 23 | Blue to red electroluminescence emission from organic light-emitting diodes based on π -conjugated organic semiconductor materials. Journal of Photonics for Energy, 2014, 4, 043599. | 1.3 | 11 |
| 24 | Three-Component Synthesis of Some Novel N-Heterocycle Methyl-O-oxime Ethers. Synthesis, 2011, 2011, 4068-4076. | 2.3 | 10 |
| 25 | Tautomerism, molecular structure, intramolecular hydrogen bond, and enol-enol equilibrium of para halo substituted 4,4,4-trifluoro-1-phenyl-1,3-butanedione; Experimental and theoretical studies. Journal of Molecular Structure, 2017, 1150, 427-437. | 3.6 | 9 |
| 26 | Introduction and theoretical investigation of new azafullerene structures with nitrogen belts. Computational and Theoretical Chemistry, 2015, 1067, 148-157. | 2.5 | 8 |
| 27 | Vibrational spectra, normal coordinate analysis, and hydrogen bond investigation of pyridinium perchlorate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 191, 558-565. | 3.9 | 7 |
| 28 | Structure, isomerism, and vibrational assignment of aluminumtrifluoroacetylacetonate. An experimental and theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 190, 15-22. | 3.9 | 6 |
| 29 | DFT investigation on some nitrogen-doped fullerenes with more antiradical and antioxidant activities than C ₆₀ . Structural Chemistry, 2019, 30, 1737-1748. | 2.0 | 6 |
| 30 | Very strong intramolecular hydrogen bonding of 1,2-dithenoylcyclopentadiene; DFT and spectroscopic studies. Journal of Molecular Structure, 2014, 1075, 85-95. | 3.6 | 4 |
| 31 | Normal coordinate analysis of pyridine and its C 2v 2 H-isotopomers. A new approach. Journal of Molecular Structure, 2018, 1151, 236-244. | 3.6 | 4 |
| 32 | Fabrication and electrical characterization of red organic light emitting diode using an isatin derivative as an organic chromophore. Optical Engineering, 2011, 50, 044002. | 1.0 | 3 |
| 33 | Theoretical study on azafullerene structures with many N N connections, having an opening cavity. Computational and Theoretical Chemistry, 2017, 1121, 35-43. | 2.5 | 3 |
| 34 | DFT investigation on electrophilic and nucleophilic activities of some nitrogen-doped fullerenes, in comparison to C ₆₀ . Structural Chemistry, 2020, 31, 385-397. | 2.0 | 3 |
| 35 | Structural, electronic, vibrational and optical properties of all 23 isolated-pentagon rule isomers of C ₅₈ N ₂ azafullerene; a DFT study. Computational and Theoretical Chemistry, 2021, 1196, 113123. | 2.5 | 3 |
| 36 | Highly Efficient One-Pot Synthesis of N-Alkyl Sulfonamides from Alcohols Using N-(p-Toluenesulfonyl) Imidazole (Tsim). Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 465-476. | 1.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Electronic transport behavior of 2-amino-4,5-bis(2,5-dimethylthiophen-3-yl)furan-3-carbonitrile (a) Tj ETQq1 1 0.784314 rgBT /Overload Accounts, 2021, 140, 1. | 1.4 | 2 |
| 38 | Generalized anomeric effect of $\hat{\pm}$ -chloro-O-oxime ethers; influence of various substitutions by DFT, NBO and AIM studies. Computational and Theoretical Chemistry, 2014, 1029, 13-20. | 2.5 | 1 |
| 39 | Sensitive Ion-Flotation Separation of Ag(I) Traces Using 2-(2-Methoxyphenyl)benzimidazole before Flame Atomic Absorption Spectrometric Determination in Water. Clean - Soil, Air, Water, 2012, 40, 640-647. | 1.1 | 0 |