

Methat A Ibrahim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

2,228
citations

24
h-index

39
g-index

164
ext. papers

2,632
ext. citations

2.2
avg, IF

5.63
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 138 | Studying the humidity sensing behavior of MWCNTs boosted with Co ₃ O ₄ nanorods. <i>Diamond and Related Materials</i> , 2021 , 121, 108754 | 3.5 | 1 |
| 137 | Experimental and theoretical investigations on fouling resistant cellulose acetate/SiO ₂ NPs/PEDOT ultrafiltration nanocomposite membranes. <i>Journal of Cleaner Production</i> , 2021 , 324, 129288 | 10.3 | 4 |
| 136 | Development of natural polymer/metal oxide nanocomposite reinforced with graphene oxide for optoelectronic applications. <i>NRIAG Journal of Astronomy and Geophysics</i> , 2021 , 10, 10-22 | 0.9 | 3 |
| 135 | Studies on hydrogen bonding of adrenaline/acetone and adrenaline/methanol complexes: computational and experimental approach. <i>Structural Chemistry</i> , 2021 , 32, 2115 | 1.8 | 4 |
| 134 | Two-dimensional Si ₂ BN nanoflakes for efficient removal of heavy metals. <i>Chemical Physics Letters</i> , 2021 , 772, 138568 | 2.5 | 1 |
| 133 | Experimental and theoretical studies of some propiolate esters derivatives. <i>Journal of Molecular Structure</i> , 2021 , 1236, 130281 | 3.4 | 11 |
| 132 | Dense alumina-based carbonated fluorapatite nanobiocomposites for dental applications. <i>Materials Chemistry and Physics</i> , 2021 , 257, 123264 | 4.4 | 12 |
| 131 | A comprehensive analytical approach for monitoring the physico-chemical changes of the paintings after exposure to environmental risks. <i>Spectroscopy Letters</i> , 2021 , 54, 14-25 | 1.1 | 1 |
| 130 | Spectroscopic and thermal analyses for the effect of acetic acid on the plasticized sodium carboxymethyl cellulose. <i>Journal of Molecular Structure</i> , 2021 , 1224, 129013 | 3.4 | 9 |
| 129 | Optical, conductivity and dielectric properties of plasticized solid polymer electrolytes based on blends of sodium carboxymethyl cellulose and polyethylene oxide. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1 | 2.4 | 4 |
| 128 | Application of polyvinyl alcohol/polypropylene/zinc oxide nanocomposites as sensor: modeling approach. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1 | 2.4 | 3 |
| 127 | Effect of substitutions on the electronic properties of acetylsalicylic acid. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1 | 2.4 | 1 |
| 126 | Duckweed-lemna minor as green route for removal of chromium (VI) from aqueous solution. <i>International Journal of Environmental Research</i> , 2021 , 15, 275-284 | 2.9 | 1 |
| 125 | Characterization of the mechanical and structural properties of PGA/TMC copolymer for cardiac tissue engineering. <i>Microscopy Research and Technique</i> , 2021 , 84, 1596-1606 | 2.8 | 3 |
| 124 | Electronic and physical studies for Teflon FEP as a thermal control in low earth orbit reinforced with ZnO and SiO nanoparticles. <i>Journal of Molecular Modeling</i> , 2021 , 27, 295 | 2 | 1 |
| 123 | Modified Ziziphus spina-christi stones as green route for the removal of heavy metals. <i>Scientific Reports</i> , 2020 , 10, 20557 | 4.9 | 5 |
| 122 | Biocompatibility, physico-chemical and mechanical properties of hydroxyapatite-based silicon dioxide nanocomposites for biomedical applications. <i>Ceramics International</i> , 2020 , 46, 23599-23610 | 5.1 | 21 |

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|-----|---|-----|----|
| 121 | Nanocomposites of ZnO Nanorods In-Situ Grown on Graphitic Carbon Nitride for Ethanol Sensing. <i>IEEE Sensors Journal</i> , 2020 , 20, 11097-11104 | 4 | 3 |
| 120 | Probing protein rejection behavior of blended PES-based flat-sheet ultrafiltration membranes: A density functional theory (DFT) study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 238, 118399 | 4.4 | 12 |
| 119 | Green Route for the Removal of Pb from Aquatic Environment. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2020 , 23, 587-598 | 1.3 | 1 |
| 118 | Vertical Distribution of Major and Trace Elements in a Soil Profile from the Nile Delta, Egypt. <i>Ecological Chemistry and Engineering S</i> , 2020 , 27, 281-294 | 1.3 | 2 |
| 117 | Graphene Foam Decorated With ZnO as a Humidity Sensor. <i>IEEE Sensors Journal</i> , 2020 , 20, 1721-1729 | 4 | 12 |
| 116 | Investigation of painting technique of Coptic icon by integrated analytical methods: imaging, spectroscopic and chemometric methods. <i>Journal of Archaeological Science: Reports</i> , 2020 , 29, 102085 | 0.7 | 3 |
| 115 | A combination of analytical methods to evaluate the effect of humidity aging on the painting materials of icon models. <i>Vibrational Spectroscopy</i> , 2020 , 107, 103010 | 2.1 | 7 |
| 114 | Functionalization of graphene quantum dots (GQDs) with chitosan biopolymer for biophysical applications. <i>Optical and Quantum Electronics</i> , 2020 , 52, 1 | 2.4 | 13 |
| 113 | Chitosan/graphene oxide composite as an effective removal of Ni, Cu, As, Cd and Pb from wastewater. <i>Computational and Theoretical Chemistry</i> , 2020 , 1189, 112980 | 2 | 31 |
| 112 | Mapping molecular electrostatic potential (MESP) for fulleropyrrolidine and its derivatives. <i>Optical and Quantum Electronics</i> , 2020 , 52, 1 | 2.4 | 16 |
| 111 | Theoretical investigation on hydrogen bond interaction between adrenaline and hydrogen sulfide. <i>Journal of Molecular Modeling</i> , 2020 , 26, 354 | 2 | 8 |
| 110 | Application of natural polymers enhanced with ZnO and CuO as humidity sensor. <i>NRIAG Journal of Astronomy and Geophysics</i> , 2020 , 9, 586-597 | 0.9 | 2 |
| 109 | Molecular modeling analyses for graphene functionalized with FeO and NiO. <i>Heliyon</i> , 2020 , 6, e04456 | 3.6 | 4 |
| 108 | In vitro bioactivity, molecular structure and mechanical properties of zirconia-carbonated hydroxyapatite nanobiocomposites sintered at different temperatures. <i>Materials Chemistry and Physics</i> , 2020 , 239, 122011 | 4.4 | 19 |
| 107 | In vitro bioactivity evaluation, antimicrobial behavior and mechanical properties of cerium-containing phosphate glasses. <i>Materials Research Express</i> , 2019 , 6, 075212 | 1.7 | 20 |
| 106 | Microwave-assisted synthesis of novel 5-aminouracil-based compound with DFT calculations. <i>Journal of Molecular Structure</i> , 2019 , 1194, 211-226 | 3.4 | 20 |
| 105 | ZnO-Reduced Graphene Oxide Composites Sensitized with Graphitic Carbon Nitride Nanosheets for Ethanol Sensing. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2734-2742 | 5.6 | 47 |
| 104 | Spectroscopic analyses of iron doped protonated polyaniline/graphene oxide system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 216, 349-358 | 4.4 | 7 |

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|-----|---|-----|----|
| 103 | Effectiveness of a new green technology for metal removal from contaminated water. <i>Microchemical Journal</i> , 2019 , 147, 1010-1020 | 4.8 | 13 |
| 102 | Sandwich-like composites of double-layer Co ₃ O ₄ and reduced graphene oxide and their sensing properties to volatile organic compounds. <i>Journal of Alloys and Compounds</i> , 2019 , 793, 24-30 | 5.7 | 65 |
| 101 | Configuration and molecular structure of 5-chloro-N-(4-sulfamoylbenzyl) salicylamide derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 214, 476-486 | 4.4 | 8 |
| 100 | First principles study of the adsorption of hydrated heavy metals on graphene quantum dots. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 130, 32-40 | 3.9 | 27 |
| 99 | Stability and electronic properties of edge functionalized silicene quantum dots: A first principles study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 108, 339-346 | 3 | 16 |
| 98 | The Influence of Moisture on the Electronic Properties of Monomer, Dimer, Trimer and Emeraldine Base Sodium Carboxymethyl Cellulose. <i>Egyptian Journal of Chemistry</i> , 2019 , 62, 8-10 | 2 | 4 |
| 97 | Europium-Doped Tellurite Glasses: The Eu Emission in Tellurite, Adjusting Eu and Eu Emissions toward White Light Emission. <i>Materials</i> , 2019 , 12, | 3.5 | 11 |
| 96 | Preparation of polypyrrole-decorated MnO ₂ /reduced graphene oxide in the presence of multi-walled carbon nanotubes composite for high performance asymmetric supercapacitors. <i>Physica B: Condensed Matter</i> , 2019 , 556, 66-74 | 2.8 | 19 |
| 95 | Hydrothermal Synthesis of CNTs/Co ₃ O ₄ @rGO Mesoporous Nanocomposite as a Room Temperature Gas Sensor for VOCs. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 416-422 | 3.2 | 13 |
| 94 | Spectroscopic analyses and genotoxicity of dioxins in the aquatic environment of Alexandria. <i>Marine Pollution Bulletin</i> , 2018 , 127, 618-625 | 6.7 | 9 |
| 93 | Tuning electronic properties in graphene quantum dots by chemical functionalization: Density functional theory calculations. <i>Chemical Physics Letters</i> , 2018 , 695, 138-148 | 2.5 | 46 |
| 92 | First principles study of edge carboxylated graphene quantum dots. <i>Physica B: Condensed Matter</i> , 2018 , 537, 77-86 | 2.8 | 23 |
| 91 | Structure and absolute configuration of some 5-chloro-2-methoxy-N-phenylbenzamide derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 188, 213-221 | 4.4 | 9 |
| 90 | FTIR Spectral Characterization, Mechanical Properties and Antimicrobial Properties of La-Doped Phosphate-Based Bioactive Glasses. <i>Silicon</i> , 2018 , 10, 1151-1159 | 2.4 | 24 |
| 89 | In vitro bioactivity, physical and mechanical properties of carbonated-fluoroapatite during mechanochemical synthesis. <i>Ceramics International</i> , 2018 , 44, 21323-21329 | 5.1 | 21 |
| 88 | Influence of the addition of carbonated hydroxyapatite and selenium dioxide on mechanical properties and in vitro bioactivity of borosilicate inert glass. <i>Ceramics International</i> , 2018 , 44, 20677-20685 | 5.1 | 30 |
| 87 | Biosorption of Zinc(II) and Cadmium(II) Using Ziziphus Spina Stones. <i>Journal of Computational and Theoretical Nanoscience</i> , 2018 , 15, 3102-3108 | 0.3 | 1 |
| 86 | Low Cost Alcoholic Breath Sensor Based on SnO ₂ Modified with CNTs and Graphene. <i>Journal of the Korean Physical Society</i> , 2018 , 73, 1437-1443 | 0.6 | 7 |

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|----|--|-----|----|
| 85 | Molecular modeling, FTIR spectral characterization and mechanical properties of carbonated-hydroxyapatite prepared by mechanochemical synthesis. <i>Materials Chemistry and Physics</i> , 2017 , 190, 209-218 | 4.4 | 67 |
| 84 | Structural and optical study of nanostructure of 4-cyanopyranoquinolinedione (CPQ) thin films. <i>Optical Materials</i> , 2017 , 72, 122-129 | 3.3 | 17 |
| 83 | Modified iron doped polyaniline/sulfonated carbon nanotubes for all symmetric solid-state supercapacitor. <i>Synthetic Metals</i> , 2017 , 233, 41-51 | 3.6 | 28 |
| 82 | Magnetic Graphene Oxide as an Efficient Adsorbent for the Separation and Preconcentration of Cu(II), Pb(II), and Cd(II) From Environmental Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2017 , 100, 1544-1550 | 1.7 | 24 |
| 81 | Novel Composite for Lead Ions Removal from Wastewater. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 5735-5742 | 0.3 | 4 |
| 80 | Effect of sintering temperatures on the in vitro bioactivity, molecular structure and mechanical properties of titanium/carbonated hydroxyapatite nanobiocomposites. <i>Journal of Molecular Structure</i> , 2017 , 1150, 188-195 | 3.4 | 39 |
| 79 | Effect of zinc oxide on the electronic properties of carbonated hydroxyapatite. <i>Journal of Molecular Structure</i> , 2017 , 1147, 148-154 | 3.4 | 13 |
| 78 | Design and Development of Some Viral Protease Inhibitors by QSAR and Molecular Modeling Studies 2017 , 25-58 | | 5 |
| 77 | Preparation, Fourier Transform Infrared Characterization and Mechanical Properties of Hydroxyapatite Nanopowders. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 2409-2415 | 0.3 | 23 |
| 76 | Effect of ZnO and TiO ₂ on the Reactivity of Some Polymers. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 2838-2843 | 0.3 | 1 |
| 75 | Computational Notes on the Effect of Sodium Substitution on the Physical Properties of Fullerene. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 4114-4117 | 0.3 | 4 |
| 74 | Computational Notes on the Effect of Substitution on Fullerene. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 4118-4120 | 0.3 | 1 |
| 73 | On the Molecular Modelling Structure of the Egyptian Soil/Sediment in River Nile Delta Region. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 4133-4136 | 0.3 | 1 |
| 72 | Molecular Modeling Analyses of Modified Polyvinylalcohol/Hydroxyapatite Composite. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 2298-2301 | 0.3 | 1 |
| 71 | Effect of Hydrated Dioxin on the Physical and Geometrical Parameters of Some Amino Acids. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 2405-2408 | 0.3 | 5 |
| 70 | Modeling the Interaction Between Metal Oxide/Carbon Nanotube and Ethanol. <i>Sensor Letters</i> , 2017 , 15, 604-607 | 0.9 | 3 |
| 69 | Role of Carboxyl Group in the Coordination of Metals in Organic Structures. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017 , 14, 2341-2344 | 0.3 | |
| 68 | Carbon nano materials as gas sensors. <i>Materials Today: Proceedings</i> , 2016 , 3, 2483-2492 | 1.4 | 22 |

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|----|--|-----|----|
| 67 | DNA Hybridization on Chitosan-Functionalized Silicon Substrate. <i>Medicinal Chemistry</i> , 2016 , 12, 464-71 | 1.8 | 4 |
| 66 | First Principles Investigation of Electronic Properties of Hf, Ag, Cd, Zn, Ce, Nd, Sm-Modified Lead Zirconate Titanate. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016 , 13, 7661-7665 | 0.3 | 0 |
| 65 | Spectroscopic analyses of soil samples outside Nile Delta of Egypt. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 168, 244-252 | 4.4 | 7 |
| 64 | Computational Approaches to Study Peptidomimetic and Macrocyclic Hepatitis C Virus NS3 Protease Inhibitors. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 52-59 | 0.3 | 6 |
| 63 | Theoretical Study on Modified Boceprevir Compounds as NS3 Protease Inhibitors. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015 , 12, 371-375 | 0.3 | 10 |
| 62 | Spectroscopic analyses of the photocatalytic behavior of nano titanium dioxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt B, 504-9 | 4.4 | 12 |
| 61 | On the Molecular Modeling Analyses of Novel HIV-1 Protease Inhibitors Based on Modified Chitosan Dimer. <i>International Journal of Spectroscopy</i> , 2015 , 2015, 1-9 | | 3 |
| 60 | Preparation and Characterization of Novel Polyaniline Nanosensor for Sensitive Detection of Formaldehyde. <i>Recent Patents on Nanotechnology</i> , 2015 , 9, 195-203 | 1.2 | 7 |
| 59 | Preparation, purification and characterization of high purity multi-wall carbon nanotube. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 132, 594-8 | 4.4 | 32 |
| 58 | Preparation and Characterization of Microwave Reduced Graphite Oxide for High-Performance Supercapacitors. <i>Electrochimica Acta</i> , 2014 , 150, 269-278 | 6.7 | 82 |
| 57 | Application of Cu ₂ O-doped phosphate glasses for bandpass filter. <i>Physica B: Condensed Matter</i> , 2014 , 449, 251-254 | 2.8 | 40 |
| 56 | Reflection and Refraction of Waves in Nano-Smart Materials: Anisotropic Thermo-Piezoelectric Materials. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 715-726 | 0.3 | 3 |
| 55 | Effect of Divalent Metals on the Molecular Structure of Protein: Modeling and Spectroscopic Approaches. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 1081-1085 | 0.3 | 3 |
| 54 | Development of Natural Blends for Removal of Organic Pollutants. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 1891-1898 | 0.3 | 4 |
| 53 | Modeling and Optical Properties of P ₂ O ₅ /ZnO/CaO/Na ₂ O Glasses Doped with Copper Oxide. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 2079-2084 | 0.3 | 17 |
| 52 | Molecular Spectroscopic Study of Fulleropyrrolidine Carbodithioic Acid. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 2136-2140 | 0.3 | 4 |
| 51 | Mathematical Analysis of the Reflection Phenomenon of Longitudinal Waves at Nano Anisotropic Thermo-Piezoelectric Medium. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 2329-2338 | 0.3 | 2 |
| 50 | Molecular Modelling Analyses of the Substituted 3'-Azido-2',3'-Dideoxythymidine. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 409-412 | 0.3 | 3 |

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|----|--|-----|----|
| 49 | The Electronic and Quantitative Structure Activity Relationship Properties of Modified Telaprevir Compounds as HCV NS3 Protease Inhibitors. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 544-548 | 0.3 | 14 |
| 48 | A novel structure for removal of pollutants from wastewater. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 216-23 | 4.4 | 28 |
| 47 | Molecular docking investigation of the binding interactions of macrocyclic inhibitors with HCV NS3 protease and its mutants (R155K, D168A and A156V). <i>Protein Journal</i> , 2014 , 33, 32-47 | 3.9 | 12 |
| 46 | QSAR analysis and molecular docking simulation of suggested peptidomimetic NS3 protease inhibitors. <i>Current Computer-Aided Drug Design</i> , 2014 , 10, 28-40 | 1.4 | 6 |
| 45 | Computational Studies of the Interaction of Chitosan Nanoparticles and B-Crystallin. <i>BioNanoScience</i> , 2013 , 3, 302-311 | 3.4 | 5 |
| 44 | FT-IR spectroscopic analyses of 3-Methyl-5-Pyrazolone (MP). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 111, 37-41 | 4.4 | 18 |
| 43 | On the spectroscopic analyses of thioindigo dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 113, 332-6 | 4.4 | 19 |
| 42 | QSAR Properties of Novel Peptidomimetic NS3 Protease Inhibitors. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013 , 10, 785-788 | 0.3 | 4 |
| 41 | On the Spectroscopic Analyses of Protein. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013 , 10, 2375-2379 | 0.3 | 2 |
| 40 | Fullerene as Sensor for Halides: Modeling Approach. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013 , 10, 2026-2028 | 0.3 | 6 |
| 39 | A Novel Model for Chitosan/Hydroxyapatite Interaction. <i>Quantum Matter</i> , 2013 , 2, 234-237 | | 6 |
| 38 | On the spectroscopic analyses of (E)-3-(dicyclopropyl methylene)-dihydro-4-[1-(2,5 dimethylfuran-3-yl) ethylidene]furan-2,5-dione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 87, 202-8 | 4.4 | 20 |
| 37 | Molecular spectroscopic study for suggested mechanism of chrome tanned leather. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 88, 171-6 | 4.4 | 39 |
| 36 | Removal of Cd(II) and Pb(II) from aqueous solution using dried water hyacinth as a biosorbent. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 96, 413-20 | 4.4 | 85 |
| 35 | Spectroscopic analyses of pollutants in water, sediment and fish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 97, 771-7 | 4.4 | 11 |
| 34 | Interaction of Nano Structure Material with Heme Molecule: Modelling Approach. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012 , 9, 901-905 | 0.3 | 4 |
| 33 | Sorbent extraction of Pb(II), Cu(II), Ni(II), and Fe(III) ions as 2-(5-bromo-2-pyridylazo)-5-diethylamino-phenol chelates on single-walled carbon nanotube disks prior to their flame atomic absorption spectrometric determinations in animal feeds and natural water samples. <i>Journal of AOAC INTERNATIONAL</i> , 2012 , 95, 1205-10 | 1.7 | 20 |
| 32 | Fullerene derivative as anti-HIV protease inhibitor: molecular modeling and QSAR approaches. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012 , 12, 447-51 | 3.2 | 30 |

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|----|---|------|----|
| 31 | Spectroscopic Analyses of Chitosan Interactions with Amino Acids. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012 , 9, 1120-1124 | 0.3 | 10 |
| 30 | Hexapeptide functionality of cellulose as NS3 protease inhibitors. <i>Medicinal Chemistry</i> , 2012 , 8, 826-30 | 1.8 | 13 |
| 29 | Influence of the grain size on the quality of standardless WDXRF analysis of river Nile sediments. <i>Microchemical Journal</i> , 2011 , 99, 356-363 | 4.8 | 19 |
| 28 | Molecular spectroscopic analyses of gelatin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 81, 724-9 | 4.4 | 24 |
| 27 | Spectroscopic Analyses of Cellulose and Chitosan: FTIR and Modeling Approach. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011 , 8, 117-123 | 0.3 | 48 |
| 26 | The Mathematical Model of Reflection and Refraction of Plane Quasi-Vertical Transverse Waves at Interface Nano-Composite Smart Material. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011 , 8, 1193-1202 | 0.3 | 5 |
| 25 | Interaction of Small Molecules with Diatomic ZnO: Density Functional Theory Investigation. <i>Sensor Letters</i> , 2011 , 9, 1750-1754 | 0.9 | 3 |
| 24 | Computational Notes on Fullerene Based System as HIV-1 Protease Inhibitors. <i>Journal of Computational and Theoretical Nanoscience</i> , 2010 , 7, 224-227 | 0.3 | 8 |
| 23 | Effect of Metal Substitution on the Electronic Properties of Fullerene and Fulleropyrrolidine. <i>Journal of Computational and Theoretical Nanoscience</i> , 2010 , 7, 536-541 | 0.3 | 2 |
| 22 | Molecular spectroscopic analysis of nano-chitosan blend as biosensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 77, 802-6 | 4.4 | 38 |
| 21 | Structural and electronic properties of new fullerene derivatives and their possible application as HIV-1 protease inhibitors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 702-9 | 4.4 | 24 |
| 20 | Molecular spectroscopic study of acid treated fenugreek seeds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 77, 1034-8 | 4.4 | 16 |
| 19 | Mechanism of Pollution Control for Aquatic Plant Water Hyacinth~!2009-11-20~!2010-01-01~!2010-04-09~!. <i>The Open Spectroscopy Journal</i> , 2010 , 4, 10-15 | | 8 |
| 18 | Effect of Physical and Chemical Treatments on the Electrical and Structural Properties of Water Hyacinth~!2010-05-18~!2010-07-26~!2010-09-03~!. <i>The Open Spectroscopy Journal</i> , 2010 , 4, 32-40 | | 8 |
| 17 | Molecular Modeling and FTIR Study for K, Na, Ca and Mg Coordination with Organic Acid. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009 , 6, 682-685 | 0.3 | 8 |
| 16 | Spectroscopic Analyses of Cellulose: Fourier Transform Infrared and Molecular Modelling Study. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009 , 6, 1054-1058 | 0.3 | 13 |
| 15 | Computational Notes on the Reactivity of Some Functional Groups. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009 , 6, 1523-1526 | 0.3 | 56 |
| 14 | Distribution and bacterial bioavailability of selected metals in sediments of Ismailia Canal, Egypt. <i>Journal of Hazardous Materials</i> , 2009 , 168, 1012-6 | 12.8 | 27 |

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|----|--|-----|-----|
| 13 | On the Structural Analysis and Electronic Properties of Chitosan/Hydroxyapatite Interaction. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009 , 6, 1663-1669 | 0.3 | 14 |
| 12 | SnO ₂ as a Gas Sensor: Modeling and Spectroscopic Approach. <i>Sensor Letters</i> , 2009 , 7, 530-534 | 0.9 | 5 |
| 11 | Molecular spectroscopic study of river Nile sediment in the greater Cairo region. <i>Applied Spectroscopy</i> , 2008 , 62, 306-11 | 3.1 | 38 |
| 10 | Spectroscopic study of the interaction of heavy metals with organic acids. <i>International Journal of Environment and Pollution</i> , 2008 , 35, 99 | 0.7 | 13 |
| 9 | Structural and Electronic Properties of C ₆₀ X ₆ (X = F, Cl, Br and I). A Theoretical Study. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008 , 5, 2247-2251 | 0.3 | 3 |
| 8 | Spectroscopic analysis of C ₈₀ doping with group III and group V elements using semiempirical PM3 molecular modelling technique. <i>Eletica Quimica</i> , 2008 , 33, 21-27 | 2.6 | 3 |
| 7 | Chalcanthrene fullerene complexes: A theoretical study. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 216-220 | 2.3 | 13 |
| 6 | Theoretical investigation of 3'-substituted-2'-3'-dideoxythymidines related to AZT. SAR, infrared and substituent electronic effect studies. <i>Arkivoc</i> , 2008 , 2008, 255-265 | 0.9 | 9 |
| 5 | Computational notes on structural, electronic and QSAR properties of [C ₆₀]fulleropyrrolidine-1-carbodithioic acid 2; 3 and 4-substituted-benzyl esters. <i>Computational and Theoretical Chemistry</i> , 2007 , 809, 131-136 | | 15 |
| 4 | Analysis of the structure and vibrational spectra of glucose and fructose. <i>Eletica Quimica</i> , 2006 , 31, 15-216 | | 204 |
| 3 | Synthesis of Fe ₂ O ₃ concentrations and sintering temperature on FTIR and magnetic susceptibility measured from 4 to 300K of monolith silica gel prepared by sol-gel technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 306, 211-217 | 2.8 | 40 |
| 2 | Computational spectroscopic study of copper, cadmium, lead and zinc interactions in the environment. <i>International Journal of Environment and Pollution</i> , 2005 , 23, 417 | 0.7 | 42 |
| 1 | Investigate the degradable behavior of a poly (glycolide-co-trimethylene carbonate) suture material used in a vascular surgery. <i>Polymer Bulletin</i> , 1 | 2.4 | 0 |