Methat A Ibrahim

List of Publications by Year
in descending order

160 papers	3,304 citations	136885 32 h-index	206029 48 g-index
164 all docs	164 docs citations	164 times ranked	3180 citing authors

#	Article	IF	Citations
1	Analysis of the structure and vibrational spectra of glucose and fructose. Ecletica Quimica, 2006, 31, 15-21.	0.2	238
2	Removal of Cd(II) and Pb(II) from aqueous solution using dried water hyacinth as a biosorbent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 413-420.	2.0	101
3	Molecular modeling, FTIR spectral characterization and mechanical properties of carbonated-hydroxyapatite prepared by mechanochemical synthesis. Materials Chemistry and Physics, 2017, 190, 209-218.	2.0	96
4	Preparation and Characterization of Microwave Reduced Graphite Oxide for High-Performance Supercapacitors. Electrochimica Acta, 2014, 150, 269-278.	2.6	95
5	Tuning electronic properties in graphene quantum dots by chemical functionalization: Density functional theory calculations. Chemical Physics Letters, 2018, 695, 138-148.	1.2	91
6	Sandwich-like composites of double-layer Co3O4 and reduced graphene oxide and their sensing properties to volatile organic compounds. Journal of Alloys and Compounds, 2019, 793, 24-30.	2.8	87
7	ZnO-Reduced Graphene Oxide Composites Sensitized with Graphitic Carbon Nitride Nanosheets for Ethanol Sensing. ACS Applied Nano Materials, 2019, 2, 2734-2742.	2.4	84
8	Spectroscopic Analyses of Cellulose and Chitosan: FTIR and Modeling Approach. Journal of Computational and Theoretical Nanoscience, 2011, 8, 117-123.	0.4	78
9	Computational Notes on the Reactivity of Some Functional Groups. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1523-1526.	0.4	72
10	Chitosan/graphene oxide composite as an effective removal of Ni, Cu, As, Cd and Pb from wastewater. Computational and Theoretical Chemistry, 2020, 1189, 112980.	1.1	64
11	Effect of sintering temperatures on the inÂvitro bioactivity, molecular structure and mechanical properties of titanium/carbonated hydroxyapatite nanobiocomposites. Journal of Molecular Structure, 2017, 1150, 188-195.	1.8	61
12	Computational spectroscopic study of copper, cadmium, lead and zinc interactions in the environment. International Journal of Environment and Pollution, 2005, 23, 417.	0.2	50
13	First principles study of the adsorption of hydrated heavy metals on graphene quantum dots. Journal of Physics and Chemistry of Solids, 2019, 130, 32-40.	1.9	50
14	Molecular Spectroscopic Study of River Nile Sediment in the Greater Cairo Region. Applied Spectroscopy, 2008, 62, 306-311.	1.2	48
15	Application of Cu2O-doped phosphate glasses for bandpass filter. Physica B: Condensed Matter, 2014, 449, 251-254.	1.3	48
16	Molecular spectroscopic analysis of nano-chitosan blend as biosensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 802-806.	2.0	47
17	First principles study of edge carboxylated graphene quantum dots. Physica B: Condensed Matter, 2018, 537, 77-86.	1.3	46
18	Mapping molecular electrostatic potential (MESP) for fulleropyrrolidine and its derivatives. Optical and Quantum Electronics, 2020, 52, 1.	1.5	46

#	Article	IF	Citations
19	Synthesis of Fe2O3 concentrations and sintering temperature on FTIR and magnetic susceptibility measured from 4 to 300K of monolith silica gel prepared by solâ€“gel technique. Journal of Magnetism and Magnetic Materials, 2006, 306, 211-217.	1.0	45
20	Molecular spectroscopic study for suggested mechanism of chrome tanned leather. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 88, 171-176.	2.0	45
21	Biocompatibility, physico-chemical and mechanical properties of hydroxyapatite-based silicon dioxide nanocomposites for biomedical applications. Ceramics International, 2020, 46, 23599-23610.	2.3	44
22	Preparation, purification and characterization of high purity multi-wall carbon nanotube. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 594-598.	2.0	43
23	Influence of the addition of carbonated hydroxyapatite and selenium dioxide on mechanical properties and in vitro bioactivity of borosilicate inert glass. Ceramics International, 2018, 44, 20677-20685.	2.3	42
24	FTIR Spectral Characterization, Mechanical Properties and Antimicrobial Properties of La-Doped Phosphate-Based Bioactive Glasses. Silicon, 2018, 10, 1151-1159.	1.8	39
25	Stability and electronic properties of edge functionalized silicene quantum dots: A first principles study. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 108, 339-346.	1.3	38
26	Fullerene Derivative as Anti-HIV Protease Inhibitor: Molecular Modeling and QSAR Approaches. Mini-Reviews in Medicinal Chemistry, 2012, 12, 447-451.	1.1	36
27	Microwave-assisted synthesis of novel 5-aminouracil-based compound with DFT calculations. Journal of Molecular Structure, 2019, 1194, 211-226.	1.8	36
28	In vitro bioactivity, molecular structure and mechanical properties of zirconia-carbonated hydroxyapatite nanobiocomposites sintered at different temperatures. Materials Chemistry and Physics, 2020, 239, 122011.	2.0	36
29	A novel structure for removal of pollutants from wastewater. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 216-223.	2.0	35
30	Modified iron doped polyaniline/sulfonated carbon nanotubes for all symmetric solid-state supercapacitor. Synthetic Metals, 2017, 233, 41-51.	2.1	35
31	In vitro bioactivity evaluation, antimicrobial behavior and mechanical properties of cerium-containing phosphate glasses. Materials Research Express, 2019, 6, 075212.	0.8	34
32	Distribution and bacterial bioavailability of selected metals in sediments of Ismailia Canal, Egypt. Journal of Hazardous Materials, 2009, 168, 1012-1016.	6.5	33
33	Preparation, Fourier Transform Infrared Characterization and Mechanical Properties of Hydroxyapatite Nanopowders. Journal of Computational and Theoretical Nanoscience, 2017, 14, 2409-2415.	0.4	31
34	Magnetic Graphene Oxide as an Efficient Adsorbent for the Separation and Preconcentration of Cu(II), Pb(II), and Cd(II) from Environmental Samples. Journal of AOAC INTERNATIONAL, 2017, 100, 1544-1550.	0.7	31
35	In vitro bioactivity, physical and mechanical properties of carbonated-fluoroapatite during mechanochemical synthesis. Ceramics International, 2018, 44, 21323-21329.	2.3	31
36	Structural and electronic properties of new fullerene derivatives and their possible application as HIV-1 protease inhibitors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 702-709.	2.0	30

#	Article	IF	Citations
37	Molecular spectroscopic analyses of gelatin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 724-729.	2.0	30
38	Carbon nano materials as gas sensors. Materials Today: Proceedings, 2016, 3, 2483-2492.	0.9	30
39	Experimental and theoretical studies of some propiolate esters derivatives. Journal of Molecular Structure, 2021, 1236, 130281.	1.8	30
40	Graphene Foam Decorated With ZnO as a Humidity Sensor. IEEE Sensors Journal, 2020, 20, 1721-1729.	2.4	28
41	Spectroscopic and thermal analyses for the effect of acetic acid on the plasticized sodium carboxymethyl cellulose. Journal of Molecular Structure, 2021, 1224, 129013.	1.8	28
42	Evaluation of the electrical and dielectric behavior of the apatite layer formed on the surface of hydroxyapatite/hardystonite/copper oxide hybrid nanocomposites for bone repair applications. Ceramics International, 2022, 48, 19837-19850.	2.3	28
43	Preparation of polypyrrole-decorated MnO2/reduced graphene oxide in the presence of multi-walled carbon nanotubes composite for high performance asymmetric supercapacitors. Physica B: Condensed Matter, 2019, 556, 66-74.	1.3	27
44	Hydrothermal Synthesis of CNTs/Co3O4@rGO Mesopours Nanocomposite as a Room Temperature Gas Sensor for VOCs. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 416-422.	1.9	27
45	Influence of the grain size on the quality of standardless WDXRF analysis of river Nile sediments. Microchemical Journal, 2011, 99, 356-363.	2.3	25
46	On the spectroscopic analyses of (E)-3-(dicyclopropyl methylene)-dihydro-4-[1-(2,5 dimethylfuran-3-yl) ethylidene]furan-2,5-dione. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 87, 202-208.	2.0	23
47	On the spectroscopic analyses of thioindigo dye. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 113, 332-336.	2.0	23
48	FT-IR spectroscopic analyses of 3-Methyl-5-Pyrazolone (MP). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 111, 37-41.	2.0	22
49	Europium-Doped Tellurite Glasses: The Eu2+ Emission in Tellurite, Adjusting Eu2+ and Eu3+ Emissions toward White Light Emission. Materials, 2019, 12, 4140.	1.3	22
50	Computational notes on structural, electronic and QSAR properties of [C60]fulleropyrrolidine-1-carbodithioic acid 2; 3 and 4-substituted-benzyl esters. Computational and Theoretical Chemistry, 2007, 809, 131-136.	1.5	21
51	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. Journal of AOAC INTERNATIONAL, 2012, 95, 1205-1210.	0.7	20
52	Modeling and Optical Properties of P₂O₅â€“ZnOâ€“CaOâ€“Na₂O Glasses Doped with Copper Oxide. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2079-2084.	0.4	20
53	Structural and optical study of nanostructure of 4-cyanopyranoquinolinedione (CPQ) thin films. Optical Materials, 2017, 72, 122-129.	1.7	20
54	Effect of zinc oxide on the electronic properties of carbonated hydroxyapatite. Journal of Molecular Structure, 2017, 1147, 148-154.	1.8	20

#	Article	IF	Citations
55	Effectiveness of a new green technology for metal removal from contaminated water. Microchemical Journal, 2019, 147, 1010-1020.	2.3	20
56	Functionalization of graphene quantum dots (GQDs) with chitosan biopolymer for biophysical applications. Optical and Quantum Electronics, 2020, 52, 1.	1.5	20
57	Configuration and molecular structure of 5-chloro-N-(4-sulfamoylbenzyl) salicylamide derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 476-486.	2.0	19
58	Spectroscopic Analyses of Cellulose: Fourier Transform Infrared and Molecular Modelling Study. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1054-1058.	0.4	18
59	Theoretical investigation on hydrogen bond interaction between adrenaline and hydrogen sulfide. Journal of Molecular Modeling, 2020, 26, 354.	0.8	18
60	Probing protein rejection behavior of blended PES-based flat-sheet ultrafiltration membranes: A density functional theory (DFT) study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118399.	2.0	18
61	Spectroscopic study of the interaction of heavy metals with organic acids. International Journal of Environment and Pollution, 2008, 35, 99.	0.2	17
62	The Electronic and Quantitative Structure Activity Relationship Properties of Modified Telaprevir Compounds as HCV NS3 Protease Inhibitors. Journal of Computational and Theoretical Nanoscience, 2014, 11, 544-548.	0.4	17
63	Dense alumina-based carbonated fluorapatite nanobiocomposites for dental applications. Materials Chemistry and Physics, 2021, 257, 123264.	2.0	17
64	On the Structural Analysis and Electronic Properties of Chitosan/Hydroxyapatite Interaction. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1663-1669.	0.4	16
65	Molecular spectroscopic study of acid treated fenugreek seeds. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 1034-1038.	2.0	16
66	Spectroscopic analyses of the photocatalytic behavior of nano titanium dioxide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 504-509.	2.0	16
67	Molecular modeling analyses for graphene functionalized with Fe3O4 and NiO. Heliyon, 2020, 6, e04456.	1.4	16
68	Molecular Modeling and FTIR Study for K, Na, Ca and Mg Coordination with Organic Acid. Journal of Computational and Theoretical Nanoscience, 2009, 6, 682-685.	0.4	15
69	Hexapeptide Functionality of Cellulose as NS3 Protease Inhibitors. Medicinal Chemistry, 2012, 8, 826-830.	0.7	15
70	Molecular Docking Investigation of the Binding Interactions of Macrocyclic Inhibitors with HCV NS3 Protease and its Mutants (R155K, D168A and A156V). Protein Journal, 2014, 33, 32-47.	0.7	14
71	Low Cost Alcoholic Breath Sensor Based on SnO2 Modified with CNTs and Graphene. Journal of the Korean Physical Society, 2018, 73, 1437-1443.	0.3	14
72	Optical, conductivity and dielectric properties of plasticized solid polymer electrolytes based on blends of sodium carboxymethyl cellulose and polyethylene oxide. Optical and Quantum Electronics, 2021, 53, 1.	1.5	14

#	Article	IF	Citations
73	Studying the humidity sensing behavior of MWCNTs boosted with Co3O4 nanorods. Diamond and Related Materials, 2022, 121, 108754.	1.8	14
74	Effect of CuO and Graphene on PTFE Microfibers: Experimental and Modeling Approaches. Polymers, 2022, 14, 1069.	2.0	14
75	Chalcanthreneâ€“fullerene complexes: A theoretical study. Journal of Organometallic Chemistry, 2008, 693, 216-220.	0.8	13
76	Spectroscopic analyses and genotoxicity of dioxins in the aquatic environment of Alexandria. Marine Pollution Bulletin, 2018, 127, 618-625.	2.3	13
77	Two-dimensional Si2BN nanoflakes for efficient removal of heavy metals. Chemical Physics Letters, 2021, 772, 138568.	1.2	13
78	Computational Notes on Fullerene Based System as HIV-1 Protease Inhibitors. Journal of Computational and Theoretical Nanoscience, 2010, 7, 224-227.	0.4	12
79	Spectroscopic Analyses of Chitosan Interactions with Amino Acids. Journal of Computational and Theoretical Nanoscience, 2012, 9, 1120-1124.	0.4	12
80	Spectroscopic analyses of pollutants in water, sediment and fish. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 771-777.	2.0	12
81	Theoretical Study on Modified Boceprevir Compounds as NS3 Protease Inhibitors. Journal of Computational and Theoretical Nanoscience, 2015, 12, 371-375.	0.4	12
82	Effect of Hydrated Dioxin on the Physical and Geometrical Parameters of Some Amino Acids. Journal of Computational and Theoretical Nanoscience, 2017, 14, 2405-2408.	0.4	12
83	Theoretical investigation of 3'-substituted-2'-3'-dideoxythymidines related to AZT. SAR, infrared and substituent electronic effect studies. Arkivoc, 2008, 2008, 255-265.	0.3	12
84	Experimental and theoretical investigations on fouling resistant cellulose acetate/SiO2 NPs/PEDOT ultrafiltration nanocomposite membranes. Journal of Cleaner Production, 2021, 324, 129288.	4.6	12
85	Development of natural polymer/metal oxide nanocomposite reinforced with graphene oxide for optoelectronic applications. NRIAG Journal of Astronomy and Geophysics, 2021, 10, 10-22.	0.5	12
86	Effect of carboxylic acid and cyanoacrylic acid as anchoring groups on Coumarin 6 dye for dye-sensitized solar cells: DFT and TD-DFT study. Structural Chemistry, 2022, 33, 1921-1933.	1.0	12
87	Spectroscopic analyses of iron doped protonated polyaniline/graphene oxide system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 216, 349-358.	2.0	11
88	Structure and absolute configuration of some 5-chloro-2-methoxy-N-phenylbenzamide derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 213-221.	2.0	10
89	A combination of analytical methods to evaluate the effect of humidity aging on the painting materials of icon models. Vibrational Spectroscopy, 2020, 107, 103010.	1.2	10
90	Studies on hydrogen bonding of adrenaline/acetone and adrenaline/methanol complexes: computational and experimental approach. Structural Chemistry, 2021, 32, 2115-2138.	1.0	10

#	Article	IF	Citations
91	Mechanism of Pollution Control for Aquatic Plant Water Hyacinth~!2009-11-20~!2010-01-01~!2010-04-09~!. The Open Spectroscopy Journal, 2010, 4, 10-15.	1.0	10
92	Modified Ziziphus spina-christi stones as green route for the removal of heavy metals. Scientific Reports, 2020, 10, 20557.	1.6	9
93	Application of polyvinyl alcohol/polypropylene/zinc oxide nanocomposites as sensor: modeling approach. Optical and Quantum Electronics, 2021, 53, 1.	1.5	9
94	A Novel Model for Chitosan/Hydroxyapatite Interaction. Quantum Matter, 2013, 2, 234-237.	0.2	9
95	Fullerene as Sensor for Halides: Modeling Approach. Journal of Computational and Theoretical Nanoscience, 2013, 10, 2026-2028.	0.4	8
96	Design and Development of Some Viral Protease Inhibitors by QSAR and Molecular Modeling Studies. , 2017, , 25-58.		8
97	Characterization of the mechanical and structural properties of <scp>PGA</scp>/<scp>TMC</scp> copolymer for cardiac tissue engineering. Microscopy Research and Technique, 2021, 84, 1596-1606.	1.2	8
98	QSAR Analysis and Molecular Docking Simulation of Suggested Peptidomimetic NS3 Protease Inhibitors. Current Computer-Aided Drug Design, 2014, 10, 28-40.	0.8	8
99	Preparation and Characterization of Novel Polyaniline Nanosensor for Sensitive Detection of Formaldehyde. Recent Patents on Nanotechnology, 2015, 9, 195-203.	0.7	8
100	Effect of Physical and Chemical Treatments on the Electrical and Structural Properties of Water Hyacinth~!2010-05-18~!2010-07-26~!2010-09-03~!. The Open Spectroscopy Journal, 2010, 4, 32-40.	1.0	8
101	Computational Studies of the Interaction of Chitosan Nanoparticles and Î±B-Crystallin. BioNanoScience, 2013, 3, 302-311.	1.5	7
102	Computational Approaches to Study Peptidomimetic and Macrocyclic Hepatitis C Virus NS3 Protease Inhibitors. Journal of Computational and Theoretical Nanoscience, 2015, 12, 52-59.	0.4	7
103	Spectroscopic analyses of soil samples outside Nile Delta of Egypt. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 168, 244-252.	2.0	7
104	Nanocomposites of ZnO Nanorods In-Situ Grown on Graphitic Carbon Nitride for Ethanol Sensing. IEEE Sensors Journal, 2020, 20, 11097-11104.	2.4	7
105	Computational Notes on the Effect of Sodium Substitution on the Physical Properties of Fullerene. Journal of Computational and Theoretical Nanoscience, 2017, 14, 4114-4117.	0.4	7
106	The Mathematical Model of Reflection and Refraction of Plane Quasi-Vertical Transverse Waves at Interface Nano-Composite Smart Material. Journal of Computational and Theoretical Nanoscience, 2011, 8, 1193-1202.	0.4	6
107	Reflection and Refraction of Waves in Nano-Smart Materials: Anisotropic Thermo-Piezoelectric Materials. Journal of Computational and Theoretical Nanoscience, 2014, 11, 715-726.	0.4	6
108	SnO2 as a Gas Sensor: Modeling and Spectroscopic Approach. Sensor Letters, 2009, 7, 530-534.	0.4	6

#	Article	IF	Citations
109	Structural and Electronic Properties of C₆₀X₆(X = F,) Tj ETQq1 1 0.784314 rgBT /Over 2247-2251.	0.4	5
110	Spectroscopic analysis of C80 doping with group III and group V elements using semiempirical PM3 molecular modelling technique. Ecletica Quimica, 2008, 33, 21-27.	0.2	5
111	QSAR Properties of Novel Peptidomimetic NS3 Protease Inhibitors. Journal of Computational and Theoretical Nanoscience, 2013, 10, 785-788.	0.4	5
112	Development of Natural Blends for Removal of Organic Pollutants. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1891-1898.	0.4	5
113	Molecular Spectroscopic Study of Fulleropyrrolidine Carbodithioic Acid. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2136-2140.	0.4	5
114	Electronic and physical studies for Teflon FEP as a thermal control in low earth orbit reinforced with ZnO and SiO2 nanoparticles. Journal of Molecular Modeling, 2021, 27, 295.	0.8	5
115	Modeling the Coordination Between Na, Mg, Ca, Fe, Ni, and Zn with Organic Acids. Journal of Computational and Theoretical Nanoscience, 2017, 14, 1357-1361.	0.4	5
116	Mapping the molecular electrostatic potential of fullerene. Egyptian Journal of Chemistry, 2019, .	0.1	5
117	Interaction of Nano Structure Material with Heme Molecule: Modelling Approach. Journal of Computational and Theoretical Nanoscience, 2012, 9, 901-905.	0.4	4
118	Mathematical Analysis of the Reflection Phenomenon of Longitudinal Waves at Nano Anisotropic Thermo-Piezoelectric Medium. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2329-2338.	0.4	4
119	Molecular Modelling Analyses of the Substituted 3â€²-Azido-2â€²,3â€²Dideoxythymidine. Journal of Computational and Theoretical Nanoscience, 2014, 11, 409-412.	0.4	4
120	On the Molecular Modeling Analyses of Novel HIV-1 Protease Inhibitors Based on Modified Chitosan Dimer. International Journal of Spectroscopy, 2015, 2015, 1-9.	1.4	4
121	Novel Composite for Lead Ions Removal from Wastewater. Journal of Computational and Theoretical Nanoscience, 2017, 14, 5735-5742.	0.4	4
122	Investigation of painting technique of Coptic icon by integrated analytical methods: imaging, spectroscopic and chemometric methods. Journal of Archaeological Science: Reports, 2020, 29, 102085.	0.2	4
123	Application of natural polymers enhanced with ZnO and CuO as humidity sensor. NRIAG Journal of Astronomy and Geophysics, 2020, 9, 586-597.	0.5	4
124	Duckweed-lemna minor as green route for removal of chromium (VI) from aqueous solution. International Journal of Environmental Research, 2021, 15, 275-284.	1.1	4
125	Effect of ZnO and TiO₂ on the Reactivity of Some Polymers. Journal of Computational and Theoretical Nanoscience, 2017, 14, 2838-2843.	0.4	4
126	The Influence of Moisture on the Electronic Properties of Monomer, Dimer, Trimer and Emeraldine Base Sodium Carboxymethyl Cellulose. Egyptian Journal of Chemistry, 2019, 62, 8-10.	0.1	4

#	Article	IF	Citations
127	Green Route for the Removal of Pb from Aquatic Environment. Combinatorial Chemistry and High Throughput Screening, 2020, 23, 587-598.	0.6	4
128	DNA Hybridization on Chitosan-Functionalized Silicon Substrate. Medicinal Chemistry, 2016, 12, 464-471.	0.7	4
129	Effect of Divalent Metals on the Molecular Structure of Protein: Modeling and Spectroscopic Approaches. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1081-1085.	0.4	3
130	Computational Analyses for the Interaction Between Aspartic Acid and Iron. Journal of Computational and Theoretical Nanoscience, 2018, 15, 470-473.	0.4	3
131	Effect of substitutions on the electronic properties of acetylsalicylic acid. Optical and Quantum Electronics, 2021, 53, 1.	1.5	3
132	Interaction of Small Molecules with Diatomic ZnO: Density Functional Theory Investigation. Sensor Letters, 2011, 9, 1750-1754.	0.4	3
133	Modeling the Interaction Between Metal Oxide/Carbon Nanotube and Ethanol. Sensor Letters, 2017, 15, 604-607.	0.4	3
134	Modeling the Effect of functional groups on the electronic properties of benzene, pyridine and pyrimidine. Egyptian Journal of Chemistry, 2019, 62, 15-17.	0.1	3
135	Vertical Distribution of Major and Trace Elements in a Soil Profile from the Nile Delta, Egypt. Ecological Chemistry and Engineering S, 2020, 27, 281-294.	0.3	3
136	Effect of Metal Substitution on the Electronic Properties of Fullerene and Fulleropyrrolidine. Journal of Computational and Theoretical Nanoscience, 2010, 7, 536-541.	0.4	2
137	On the Spectroscopic Analyses of Protein. Journal of Computational and Theoretical Nanoscience, 2013, 10, 2375-2379.	0.4	2
138	Computational Notes on the Effect of Substitution on Fullerene. Journal of Computational and Theoretical Nanoscience, 2017, 14, 4118-4120.	0.4	2
139	Molecular Modeling Analyses of Modified Polyvinylalchol/Hydroxyapatite Composite. Journal of Computational and Theoretical Nanoscience, 2017, 14, 2298-2301.	0.4	2
140	Biosorption of Zinc(II) and Cadmium(II) Using Ziziphus Spina Stones. Journal of Computational and Theoretical Nanoscience, 2018, 15, 3102-3108.	0.4	2
141	First Principlesâ€™ Investigation of Electronic Properties of Hf, Ag, Cd, Zn, Ce, Nd, Sm-Modified Lead Zirconate Titanate. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7661-7665.	0.4	2
142	Molecular Dynamics Simulations of the DNA Radiation Damage and Conformation Behavior on a Zirconium Dioxide Surface. Egyptian Journal of Chemistry, 2019, 62, 12-14.	0.1	2
143	Investigate the degradable behavior of a poly (glycolide-co-trimethylene carbonate) suture material used in a vascular surgery. Polymer Bulletin, 2022, 79, 10783-10801.	1.7	2
144	Computational Notes on the Analysis of C₅₉-Zn, C₅₉-Cd and C₅₉-Hg Fullerenes. Journal of Computational and Theoretical Nanoscience, 2009, 6, 80-84.	0.4	1

#	Article	IF	Citations
145	Analysis of Dioxin Using <I>Ab Initio</I> Molecular Modelling Technique. Journal of Computational and Theoretical Nanoscience, 2009, 6, 138-141.	0.4	1
146	Analysis of the Vibrational Spectra and Thermal Parameters of C₆₀ Chalcogenide Dimers. Journal of Computational and Theoretical Nanoscience, 2009, 6, 574-577.	0.4	1
147	On the Structural Analyses and Electronic Properties of Chitosan/Hydroxyapatite Interaction. Journal of Computational and Theoretical Nanoscience, 2010, 7, 302-302.	0.4	1
148	Spectroscopic Analyses of PVDX (<I>X</I> = F, Cl and Br). Journal of Computational and Theoretical Nanoscience, 2014, 11, 2115-2119.	0.4	1
149	Cost Effective Natural Microspheres for the Removal of Pb from Wastewater. Current Metabolomics, 2018, 6, .	0.5	1
150	A comprehensive analytical approach for monitoring the physico-chemical changes of the paintings after exposure to environmental risks. Spectroscopy Letters, 2021, 54, 14-25.	0.5	1
151	On the Molecular Modelling Structure of the Egyptian Soil/Sediment in River Nile Delta Region. Journal of Computational and Theoretical Nanoscience, 2017, 14, 4133-4136.	0.4	1
152	On the Spectroscopic Analyses of Fulleropyrrolidine-1-Carbodithioic Acid 2; 3 and 4-Substituted-Benzyl Esters. Quantum Matter, 2015, 4, 594-598.	0.2	1
153	NS3 Serine Protease as a Target for Anti-Hepatitis C Virus. Reviews in Theoretical Science, 2015, 3, 257-263.	0.5	1
154	Role of Carboxyl Group in the Coordination of Metals in Organic Structures. Journal of Computational and Theoretical Nanoscience, 2017, 14, 2341-2344.	0.4	1
155	Spectroscopic Analyses of Cross Linked Sodium Alginate Composites. Materials Focus, 2017, 6, 618-624.	0.4	1
156	Analysis of C₆₀ Doping with Gallium, Indium and Phosphorus Using Semiempirical Molecular Modelling. Journal of Computational and Theoretical Nanoscience, 2009, 6, 85-88.	0.4	0
157	Structural and Spectroscopic Analysis for Metals Interaction with Protein. Journal of Computational and Theoretical Nanoscience, 2010, 7, 2044-2048.	0.4	0
158	Spectroscopic Analyses of the Chromium Interaction with Protein. Journal of Computational and Theoretical Nanoscience, 2012, 9, 1036-1039.	0.4	0
159	Application of TiO₃ as Gas Sensor: Modeling Approach. Sensor Letters, 2014, 12, 1325-1330.	0.4	0
160	Spectroscopic analysis of C80 doping with group III and group V elements using semiempirical PM3 molecular modelling technique. Ecletica Quimica, 0, 33, 21.	0.2	0