Avat Arman Taherpour

List of Publications by Year
in descending order

146 papers	1,905 citations	331670 21 h-index	345221 36 g-index
149 all docs	149 docs citations	149 times ranked	1974 citing authors

#	Article	IF	Citations
1	Photo-induced electron transfer of [C60â€‰+â€‰Abacavir] nano-complex and feasibility of C60 fullerene application as a chemical shift reagent: a DFT/TD-DFT insights. Journal of the Iranian Chemical Society, 2022, 19, 937-956.	2.2	2
2	N-doped graphene quantum dots from graphene oxide and dendrimer and application in photothermal therapy: An experimental and theoretical study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128066.	4.7	10
3	Thermal Rearrangement of Azulenes to Naphthalenes: A Deeper Insight into the Mechanisms. Journal of Organic Chemistry, 2022, 87, 3296-3310.	3.2	5
4	Feasibility of using two benzo-substituted pyrilium-based compounds in dye-sensitized solar cells. Materials Science in Semiconductor Processing, 2021, 123, 105468.	4.0	5
5	Unveiling the mechanistic implications of water oxidation reactions boosted by guanidine proton relays: a chemical-electrochemical-chemical pathway and a non-concerted proton-electron transfer. Journal of Materials Chemistry A, 2021, 9, 2937-2947.	10.3	4
6	Novel donorâ€“acceptor non-fullerene metalâ€“organic solar cells based on open edge Sc@BN: a DFT and TD-DFT study. Journal of the Iranian Chemical Society, 2021, 18, 2271-2282.	2.2	4
7	Mechanism-Based Inactivation of Cytochrome P450 Enzymes: Computational Insights. Chemical Research in Toxicology, 2021, 34, 959-987.	3.3	11
8	When a â€œDimroth Rearrangementâ€•Is Not a Dimroth Rearrangement. Journal of Organic Chemistry, 2021, 86, 8286-8294.	3.2	10
9	Recovered fluorescence of the Cd-nanocluster-Hg(II) system based on experimental results and computational methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 255, 119701.	3.9	0
10	Theoretical kinetic and thermodynamic studies of the strain energies and ring size effects of the 1,3-dipolar cycloaddition reactions on ethinamate medicine analogs. Journal of Molecular Structure, 2020, 1204, 127544.	3.6	0
11	Harnessing the enantiomeric recognition ability of hydrophobic polymers of intrinsic microporosity (PIM-1) toward amino acids by converting them into hydrophilic polymer dots. Journal of Materials Chemistry C, 2020, 8, 13827-13835.	5.5	12
12	In Situ Chromophore Doping: A New Mechanism for the Long-Wavelength Emission of Carbon Dots. Journal of Physical Chemistry C, 2020, 124, 10638-10646.	3.1	27
13	Fabrication of Templateâ€Less Selfâ€Propelled Micromotors Based on A Metalâ€Sandwiched Polytryptophan Body: An Experimental and DFT Study. ChemPlusChem, 2020, 85, 1129-1136.	2.8	4
14	Structural Assessment of Hydrogen Bonds on Methylpentynolâ€“Azide Clusters To Achieve Regiochemical Outcome of 1,3-Dipolar Cycloaddition Reactions Using Density Functional Theory. ACS Omega, 2020, 5, 5964-5975.	3.5	5
15	Impedimetric determination of Cs(I) using AuNPs@PoPD-DB24C8: A targeted molecular-scale perturbation. Analytica Chimica Acta, 2020, 1108, 118-128.	5.4	1
16	Ionically Tagged Magnetic Nanoparticles with Urea Linkers: Application for Preparation of 2-Aryl-quinoline-4-carboxylic Acids via an Anomeric-Based Oxidation Mechanism. ACS Omega, 2020, 5, 3207-3217.	3.5	48
17	Regioselective Orthoâ€C H sulfenylation of free phenols catalyzed by Co(II)-immobilized on silica-coated magnetic nanoparticles. Molecular Catalysis, 2020, 484, 110772.	2.0	10
18	Oneâ€pot synthesis of 2 H â€indazolo [2,1â€b]phthalazineâ€triones via nano Î³â€Al 2 O 3 / BF 3 / Fe 3 O 4 as an efficient catalyst and theoretical. Journal of Heterocyclic Chemistry, 2020, 57, 2801-2814.	2.6	1

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19	Catalytic application of sulfamic acid-functionalized magnetic Fe₃O₄ nanoparticles (SA-MNPs) for protection of aromatic carbonyl compounds and alcohols: experimental and theoretical studies. RSC Advances, 2020, 10, 44946-44957.	3.6	4
20	A carbon nanotube-iron (III) oxide nanocomposite as a cathode in dye-sensitized solar cells: Computational modeling and electrochemical investigations. Electrochimica Acta, 2019, 318, 617-624.	5.2	12
21	Proton shuttle efficiency of bicarbonate: A theoretical study on tautomerization and CO2 hydration. Tetrahedron, 2019, 75, 130693.	1.9	5
22	Aptamer-Based Fluorescent Biosensing of Adenosine Triphosphate and Cytochrome c via Aggregation-Induced Emission Enhancement on Novel Label-Free DNA-Capped Silver Nanoclusters/Graphene Oxide Nanohybrids. ACS Applied Materials & Interfaces, 2019, 11, 46077-46089.	8.0	40
23	Electrochemical sensing of 2-methyl-4, 6-dinitrophenol by nanomagnetic core shell linked to carbon nanotube modified glassy carbon electrode. Materials Science and Engineering C, 2019, 99, 211-221.	7.3	9
24	Human serum albumin binding studies of a new platinum(IV) complex containing the drug pregabalin: experimental and computational methods. Journal of Coordination Chemistry, 2019, 72, 600-618.	2.2	11
25	Molecular interactions between PAMAM dendrimer and some medicines that suppress the growth of hepatitis virus (Adefovir, Entecavir, Telbivudine, Lamivudine, Tenofovir): a theoretical study. International Nano Letters, 2019, 9, 231-244.	5.0	3
26	Efficient ethanol oxidation by hemoglobin-capped gold nanoclusters: The critical role of Fe in the heme group as an oxophilic metal active site. Electrochemistry Communications, 2019, 103, 42-47.	4.7	8
27	Bergman cyclization reactions in fused enediynes: a DFT study. Journal of the Iranian Chemical Society, 2019, 16, 1965-1976.	2.2	2
28	A rhodium-decorated carbon nanotube cathode material in the dye-sensitized solar cell: Conversion efficiency reached to 11%. Electrochimica Acta, 2019, 308, 373-383.	5.2	23
29	Structural distortions of fullerene C60n (nâ€¯=â€¯0 toÂâ'6) by first principle density functional theory. Journal of Molecular Structure, 2019, 1184, 546-556.	3.6	3
30	Determination of Hg2+ and Cu2+ ions by dual-emissive Ag/Au nanocluster/carbon dots nanohybrids: Switching the selectivity by pH adjustment. Journal of Hazardous Materials, 2019, 367, 437-446.	12.4	70
31	One-step electrochemically driven production of aza macrocycle-based pseudo-cryptand: An accessible route for creating of diverse cryptand-resembles compounds. Electrochimica Acta, 2019, 296, 102-111.	5.2	1
32	Reply to the comment on â€œA convenient method for preparation of 2-amino-4,6-diphenylnicotinonitrile using HBF4 as an efficient catalyst via an anomeric based oxidation: A joint experimental and theoretical studyâ€•[J. Mol. Struct. 1137 (2017) 674â€“680], by S. Salehzadeh and F. Maleki, J. Mol. Struct. 1154 (2018) 587â€“589. Journal of Molecular Structure, 2019, 1179, 719-724.	3.6	1
33	Sub-femtomolar detection of HIV-1 gene using DNA immobilized on composite platform reinforced by a conductive polymer sandwiched between two nanostructured layers: A solid signal-amplification strategy. Analytica Chimica Acta, 2019, 1055, 7-16.	5.4	22
34	A DFT Study of Electronic Structures and Relative Stabilities of Isomericn,m-Diazaphenanthrenes. Polycyclic Aromatic Compounds, 2019, 39, 462-469.	2.6	6
35	Photoinduced electron transfer process on emission spectrum of N,Nâ€²-bis(salicylidene)-1,2-phenylenediamine as a Mg2+ cation chemosensor: A first principle DFT and TDDFT study. Journal of Molecular Structure, 2018, 1161, 339-344.	3.6	10
36	Separation of anticancer medicines carmustine, lomustine, semustine and melphalan by PAMAM dendrimer: a theoretical study. Journal of the Iranian Chemical Society, 2018, 15, 1223-1234.	2.2	1

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37	Tautomeric preferences of the cis and trans isomers of axitinib. Chemical Physics, 2018, 507, 10-18.	1.9	4
38	A low-overpotential nature-inspired molecular chromium water oxidation catalyst. Electrochimica Acta, 2018, 265, 316-325.	5.2	10
39	Comprehensive facilitating of water oxidation reaction by ultrasonic attenuation of hydrogen-bonded structure of water. Ultrasonics Sonochemistry, 2018, 42, 381-389.	8.2	8
40	Electrochemical sensing of trifluralin in water by fluconazole-immobilized Fe3O4/SiO2 nanomagnetic coreâ€“shell linked to carbon nanotube modified glassy carbon electrode; an experimental and theoretical modeling. Journal of the Iranian Chemical Society, 2018, 15, 719-732.	2.2	12
41	Adsorption, intercalation and sensing of helium on yttrium functionalized open edge boron nitride: A first principle DFT and TDDFT study. Chemical Physics Letters, 2018, 691, 231-237.	2.6	13
42	Synthesis, characterization, HSA interaction, and antibacterial activity of a new water-soluble Pt(II) complex containing the drug cephalexin. Journal of Coordination Chemistry, 2018, 71, 3708-3730.	2.2	9
43	Transduction of interaction between trace tryptophan and surface-confined chromium salen using impedance spectroscopy. AÂsensing device that works based on highly selective inhibition of mediator's Faradaic process. Analytica Chimica Acta, 2018, 1030, 70-76.	5.4	5
44	Resolving the Multiple Emission Centers in Carbon Dots: From Fluorophore Molecular States to Aromatic Domain States and Carbon-Core States. Journal of Physical Chemistry Letters, 2018, 9, 4189-4198.	4.6	142
45	Novel donor-acceptor non-fullerene metal-organic solar cells: A first DFT and TD-DFT study. Physica B: Condensed Matter, 2018, 542, 37-43.	2.7	15
46	A DFT study of both the hydrolytic degradation and protonation of semustine in variation conditions of pH and interaction of drug with DNA nucleobases. Structural Chemistry, 2018, 29, 1465-1474.	2.0	6
47	Importance of Azoâ€Hydrazo Tautomerization in the Oxidative Degradation of Procarbazine by Cytochrome P450: Computational Insights. ChemistrySelect, 2018, 3, 6042-6049.	1.5	1
48	Experimental and theoretical studies of interaction of aliphatic chain Î±-aminobisphosphonates with DNA. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 338, 183-191.	3.9	1
49	A convenient method for preparation of 2-amino-4,6-diphenylnicotinonitrile using HBF4 as an efficient catalyst via an anomeric based oxidation: A joint experimental and theoretical study. Journal of Molecular Structure, 2017, 1137, 674-680.	3.6	29
50	Theoretical and Instrumental Studies of the Competitive Interaction Between Aromatic Î±-Aminobisphosphonates with DNA Using Binding Probes. Applied Biochemistry and Biotechnology, 2017, 182, 925-943.	2.9	4
51	Introduction of a carbon paste electrode based on nickel carbide for investigation of interaction between warfarin and vitamin K1. Journal of Pharmaceutical and Biomedical Analysis, 2017, 139, 156-164.	2.8	9
52	Application of novel nanostructured dinitropyrazine molten salt catalyst for the synthesis of sulfanylpyridines via anomeric based oxidation. Journal of the Iranian Chemical Society, 2017, 14, 1839-1852.	2.2	23
53	DFT and TD-DFT theoretical studies on photo-induced electron transfer process on [Cefamandole].C60 nano-complex. Journal of Molecular Graphics and Modelling, 2017, 75, 42-48.	2.4	27
54	Chemical composition analysis of the essential oil of Mentha piperita L. from Kermanshah, Iran by hydrodistillation and HS/SPME methods. Journal of Analytical Science and Technology, 2017, 8, .	2.1	38

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55	Experimental and Computational Evidence on the Interaction of Cycloalkyl Î±-Aminobisphosphonates with Calf Thymus DNA. DNA and Cell Biology, 2017, 36, 541-551.	1.9	1
56	A first-principle DFT study of solvent effects on metiamide tautomers and imaginary interactions with H2-receptors. Journal of the Iranian Chemical Society, 2017, 14, 1613-1632.	2.2	2
57	N 2 elimination thermolysis reactions of 9-(4- and 5-substituted-1,2,3-triazol-1-yl)acridines to produce 1 H -pyrido-[4,3,2- kl] derivatives â€“ A theoretical study. Chemical Physics Letters, 2017, 676, 154-168.	2.6	4
58	Manganese mediated oxidation of progesterone in alkaline medium: Mechanism study and quantitative determination. Electrochimica Acta, 2017, 225, 292-302.	5.2	18
59	The first principle computational study for the competitive mechanisms of oxidative aromatization of 2-substituted imidazolines using KMnO4/SiO2. Journal of the Iranian Chemical Society, 2017, 14, 2485-2493.	2.2	6
60	Synthesis, structural determination and HSA interaction studies of a new water-soluble Cu(II) complex derived from 1,10-phenanthroline and ranitidine drug. Journal of Coordination Chemistry, 2017, 70, 3186-3198.	2.2	13
61	Synthesis, characterization andin vitroDNA binding studies of a new copper(II) complex containing antioxidant ferulic acid. Journal of Coordination Chemistry, 2017, 70, 2589-2605.	2.2	9
62	Reply to the â€˜Comments on â€œExperimental and theoretical studies of the nanostructured {Fe₃O₄@SiO₂@(CH₂)₃Im}C(CN)₃catalyst for 2-amino-3-cyanopyridine preparationviaan anomeric based oxidationâ€,RSC Adv., 2016,6, 50100â€“50111, and â€œThe first computational study for the oxidative aromatization of pyrazolines and 1,4-dihydropyridines using 1,2,4-triazolinediones: an anomeric-based oxidationâ€,RSC Adv., 2016,6, 102. RSC Advances, 2017, 7, 53617-53621.	3.6	6
63	Recognition of switching on or off fluorescence emission spectrum on the Schiff-bases as a Mg2+ chemosensor: A first principle DFT and TD-DFT study. Journal of Molecular Structure, 2017, 1147, 815-820.	3.6	20
64	Hydrophobic amino acids grafted onto chitosan: a novel amphiphilic chitosan nanocarrier for hydrophobic drugs. Drug Development and Industrial Pharmacy, 2017, 43, 1-11.	2.0	43
65	A DFT study of structures and stabilities of isomeric furo-, thieno-, and selenophenopyridines. Phosphorus, Sulfur and Silicon and the Related Elements, 2017, 192, 422-426.	1.6	0
66	Synthesis, characterization and in vitro DNA binding studies of a new copper(II) complex containing an antiviral drug, valganciclovir. Journal of Coordination Chemistry, 2017, 70, 201-222.	2.2	8
67	Theoretical Calculation of Thermodynamic and Kinetic Quantities for 1,3 Dipolar Cycloaddition Reactions Between Nitrile Sulfides Râ€“CNS (RÂ=ÂH, CH3, Ph and Ph(CH3)3) with 7â€“10 Membered Simple Cycloalkynes. Iranian Journal of Science and Technology, Transaction A: Science, 2017, 41, 1139-1148.	1.5	3
68	Theoretical Study of Diffusion Flow of Neurotransmitters Through Single-Wall Armchair(10,10) and Zigzag(18,0) Carbon Nanotubes. Iranian Journal of Science and Technology, Transaction A: Science, 2017, 41, 787-808.	1.5	0
69	Chemical composition analysis of the essential oil of Solanumn nigrum L. by HS/SPME method and calculation of the biochemical coefficients of the components. Arabian Journal of Chemistry, 2017, 10, S2372-S2375.	4.9	8
70	Theoretical studies of the free energies of electron transfer and electron transfer kinetics in nanostructure supramolecular complexes of cis -unsaturated thiocrown ethers and Ce and Gd endohedral metallofullerenes [X â€“UTâ€“ Y][M@C 82] (M = Ce, Gd). Arabian Journal of Chemistry, 2017, 10, S609-S616.	4.9	4
71	Study of electron transfer process between fullerenes and membrane cells of Escherichia coli in the presence of dinitrophenol and dicyclohexylcarbodiimide. Arabian Journal of Chemistry, 2017, 10, S2363-S2371.	4.9	1
72	Theoretical Study of 1,3-Dipolar Reactions of Myrcene and Trimethylsilylazide. Letters in Organic Chemistry, 2017, 14, 159-171.	0.5	1

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73	Interrupting the flux of delocalized electrons on a dibenzo-18-crown-6-embedded graphite sheet and its relative counteraction in the presence of potassium ions. Analyst, The, 2016, 141, 4227-4234.	3.5	18
74	Study of solvent effects on structural and conformational properties of cimetidine tautomers. Medicinal Chemistry Research, 2016, 25, 2042-2057.	2.4	2
75	Synthesis and characterization of glucose-capped CdSe quantum dots. Electrochemical and computational studies of corresponding carbon-ionic liquid electrode for quantitative determination of minoxidil. Journal of Electroanalytical Chemistry, 2016, 778, 116-125.	3.8	16
76	The first computational study for the oxidative aromatization of pyrazolines and 1,4-dihydropyridines using 1,2,4-triazolinediones: an anomeric-based oxidation. RSC Advances, 2016, 6, 102280-102291.	3.6	30
77	Mechanistic study of allopurinol oxidation using aldehyde oxidase, xanthine oxidase and cytochrome P450 enzymes. RSC Advances, 2016, 6, 109672-109680.	3.6	8
78	The simulation of UV spectroscopy and electronic analysis of temozolomide and dacarbazine chemical decomposition to their metabolites. Journal of Molecular Modeling, 2016, 22, 270.	1.8	12
79	Experimental and theoretical studies of the nanostructured {Fe₃O₄@SiO₂@(CH₂)₃Im}C(CN)₃catalyst for 2-amino-3-cyanopyridine preparationviaan anomeric based oxidation. RSC Advances, 2016, 6, 50100-50111.	3.6	92
80	Study of complexation between two 1,3-alternate calix[4]crown derivatives and alkali metal ions by electrospray ionization mass spectrometry and density functional theory calculations. Journal of Molecular Structure, 2016, 1108, 16-24.	3.6	2
81	Theoretical study of electron transfer process between fullerenes and neurotransmitters; acetylcholine, dopamine, serotonin and epinephrine in nanostructures [neurotransmitters].C n complexes. Journal of Chemical Biology, 2016, 9, 19-29.	2.2	4
82	First principles studies of electronic and optical properties of helium adsorption on Sc-doped BN monolayer. Journal of the Iranian Chemical Society, 2015, 12, 1983-1990.	2.2	21
83	1H-NMR study of the stoichiometry and stability of the Ba2+, Sr2+, Hg2+, Pb2+, K+, Ag+, and Tl+ complexes with a new macrocyclic diamide in acetonitrileâ€“nitrobenzene solvent mixture. Journal of the Iranian Chemical Society, 2015, 12, 1915-1925.	2.2	0
84	Racemic R,S-venlafaxine hydrochlorideâ€“DNA interaction: Experimental and computational evidence. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 540-552.	3.9	26
85	Structural relationships and theoretical study of the free energies of electron transfer, electrochemical properties, and electron transfer kinetic of cephalosporin antibiotics derivatives with fullerenes in nanostructure of [R]Â·C n (RÂ=Âcefadroxil, cefepime, cephalexin, cefotaxime,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2015, 5, 153-167.	3.4	0
86	Mechanistic study of the hydrolytic degradation and protonation of temozolomide. RSC Advances, 2015, 5, 41112-41119.	3.6	11
87	Highly selective and sensitive fluorescence optode membrane for uranyl ion based on 5-(9-anthracenylmethyl)-5-aza-2,8-dithia[9],(2,9)-1,10-phenanthrolinophane. RSC Advances, 2015, 5, 92061-92070.	3.6	8
88	Comprehensive insights into the structure and coordination behavior of thiosemicarbazone ligands: a computational assessment of the Eâ€“Z interconversion mechanism during coordination. New Journal of Chemistry, 2015, 39, 9313-9324.	2.8	19
89	One-pot Solvent-free Catalytic Dimerization Reaction of Phenylacetylene to 1-Phenylnaphthalene. Journal of Chemical Sciences, 2015, 127, 1523-1530.	1.5	3
90	DFT study of HOMO structural map of Î²-diketones and Î²-ketoesters; towards prediction of electrochemical oxidation. Molecular Simulation, 2015, 41, 237-244.	2.0	2

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91	A study of the effects of solvent on structural and conformational properties of ranitidine tautomer forms by DFT method. Structural Chemistry, 2015, 26, 517-529.	2.0	9
92	Conductometric and 1H NMR studies of thermodynamics of complexation of Zn2+, Cd2+ and Pb2+ ions with tetrathia-12-crown-4 in dimethylsulfoxide-nitrobenzene mixtures. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 78, 429-436.	1.6	2
93	Synthesis, Characterization, and DNA Binding Studies of a New Pt(II) Complex Containing the Drug Levetiracetam: Combining Experimental and Computational Methods. Applied Biochemistry and Biotechnology, 2014, 172, 2436-2454.	2.9	25
94	Formation and HERON Reactivity of Cyclic N,N-Dialkoxyamides. Australian Journal of Chemistry, 2014, 67, 507.	0.9	27
95	Development of a novel PVC-membrane fluorescent sensor based on N,Nâ€²-bis(dansylamidoethyl)-N,Nâ€²-bis(2-pyridylmethyl)propylene-diamine as a new fluoroionophore for highly sensitive and selective monitoring of trace amounts of La3+ ions in aqueous solutions. Sensors and Actuators B: Chemical, 2014, 192, 378-385.	7.8	22
96	One-pot microwave-assisted solvent-free synthesis, theoretical and experimental studies on barrier rotation of Câ€“N bond of N-alkenyl-1,2,3-triazoles. Structural Chemistry, 2014, 25, 1483-1493.	2.0	4
97	Spectrophotometric study of formation, structure, stability and kinetics of charge-transfer complexation of iodine with 1,4,7,10,13,16-hexamethyl-1,4,7,10,13,16-hexaazacyclooctadecane in chloroform solution. Application of hard-modeling approaches and theoretical calculations. Journal of Molecular Structure, 2013, 1047, 179-185.	3.6	3
98	Theoretical study of 1,3-dipolar cycloaddition reactions between 7â€“10-membered simple cycloalkynes and triazoles Râ€“N3 (RÂ=ÂH, CH3, Ph). Structural Chemistry, 2013, 24, 523-534.	2.0	6
99	Theoretical studies on the rotamers and dynamic behaviors of ethyl-5-acetyl-4-(3â€²,4â€²-dimethoxyphenyl)-2,6-dimethyl-1,4-dihydropyridine-3-carboxylate. Structural Chemistry, 2013, 24, 191-200.	2.0	7
100	Free energies, kinetics, and photoelectron-transfer properties, and theoretical and quantitative structural relationship studies of [SWCNT(5,5)-armchair-C n H20] [R] (R = Î·2-C m Pd(dppf), Î·2-C m) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.0	1
	International Nano Letters, 2013, 3, 1.		
101	Free Energies of Electron Transfer, Electron Transfer Kinetic Theoretical and Quantitative Structural Relationships and Electrochemical Properties Studies of Gadolinium Nitride Cluster Fullerenes Gd3N@Cnin [X-UT-Y] [Gd3N@Cn](n = 80, 82, 84, 86 and 88) Supramolecular Complexes. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 485-502.	2.1	10
102	Theoretical Study and Structural Relationships of Free Energies of Electron Transfer, Electrochemical Properties and Electron Transfer Kinetics of Ferrocene Derivatives with Fullerenes in Nanostructures of [(R)2Cp2-Fe].CnSupramolecular Complexes. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 653-680.	2.1	5
103	Theoretical free energies of electron transfer, electrochemical properties, electron transfer kinetic and quantitative structural relationships studies of alkynyldihydrofullerene in [X-UT-Y] [R-C60â€“M+] supramolecular complexes. European Journal of Chemistry, 2012, 3, 340-347.	0.6	3
104	Efficient synthesis of 2-hydroxyalkyl alkanedithioates from 1,3-diketones, CS₂, and epoxides. Journal of Sulfur Chemistry, 2012, 33, 385-390.	2.0	4
105	Chemical composition analysis of the essential oil of Melissa officinalis L. from Kurdistan, Iran by HS/SPME method and calculation of the biophysicochemical coefficients of the components. Natural Product Research, 2012, 26, 152-160.	1.8	22
106	Study of Electrochemical Properties, Free Energies of Electron Transfer and Reduction Potentials of Supramolecular [X-UT-Y]@C_nComplexes and Fullerenes C₆₀to C₃₀₀. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 17-30.	2.1	1
107	Synthesis of alkyl bis(dimethylamino)methylenecarbamodithioates from 1,1,3,3-tetramethylguanidine, CS2 and oxiranes. Chinese Chemical Letters, 2012, 23, 699-702.	9.0	3
108	Mechanical buckling of nanocomposite rectangular plate reinforced by aligned and straight single-walled carbon nanotubes. Composites Part B: Engineering, 2012, 43, 2031-2040.	12.0	145

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109	Theoretical and Quantitative Structural Relationship Study on Fullerenes Polarizabilities on the basis of Monopole-Dipole Interactions Theorem. Oriental Journal of Chemistry, 2012, 28, 247-256.	0.3	0
110	Theoretical and Quantitative Structural Relationships of the Electron Transfer and Electrochemical Properties ofCis-Unsaturated Thiocrown Ethers and Supramolecular Complexes [X-UT-Y]@[La₂@C₇₂(Adamantylidene Mono-Adducts)_n] (n=0,1). Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 166-181.	2.1	7
111	Theoretical and quantitative structural relationships of the electrochemical properties ofCis-unsaturated thiocrown ethers and n-type material bulk-heterojunction polymer solar cells as supramolecular complexes [X-UT-Y]@R (R=PCBM,p-EHO-PCBM, andp-EHO-PCBA). Journal of Information Display, 2011, 12, 145-152.	4.0	0
112	Theoretical and Quantitative Structural Relationships Studies of Free Energies of Electron Transfer, Electron Transfer Kinetic, and Electrochemical Properties of Metal Nitride Cluster Fullerenes Y3N@C80Methano Mono Adduct Derivatives in [X-UT-V][Y3N@C80-[6,6]-Methanofullerene-R] (R = DEM,) Tj ETQq0 0 0 rgBT /Overlock 2011, 3, 213-228.	0.3	0
113	Chemical compositions of the essential oil and calculation the biophysicochemical coefficients of the components of Hymenocrater longiflorus Benth. of Iran. Natural Science, 2011, 03, 104-108.	0.4	3
114	Theoretical and Quantitative Structural Relationships of the Electrochemical Properties of [M@C₈₂]@[SWCNT(5,5)-armchair-C_nH₂₀] (M = La, Y and n =) Tj ETQq0 0 0 rgBT /Overlock 10 T Chemistry, 2010, 1, P97-P109.	1.5	4
115	Microwave-assisted solid phase conversion study of Meldrum's acid to ethylenetetracarboxylic dianhydride (C6O6). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 493-497.	3.9	1
116	9â€Azidoacridine and 9â€acridinylnitrene. Journal of Physical Organic Chemistry, 2010, 23, 382-389.	1.9	6
117	Theoretical and Quantitative Structural Relationship Studies of Electrochemical Properties of the Nanostructures ofCis-Unsaturated Thiocrown Ethers and Their Supramolecular Complexes [X-UT-Y][M@C₈₂] (MËCe, Gd). Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 422-432.	1.6	12
118	Topological Relationship Between Wiener, Padmakerâ€Ivan, and Szeged Indices and Energy and Electric Moments in Armchair Polyhex Nanotubes with the Same Circumference and Varying Lengths. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 72-86.	2.1	11
119	Structural Relationships and Theoretical Study of Electron Transfer Properties of 1,3,2-Dithiazolyl Radicals with Fullerenes in Nanostructure [1,3,2-DTA(s)]@C_nSupramolecular Complexes. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 1604-1614.	1.6	6
120	Structural relationship between photophysical data of 1,3,5-trisubstituted oligoaryleneethynylene benzene star-shaped molecules and number of carbon atoms. Physics and Chemistry of Liquids, 2010, 48, 289-297.	1.2	2
121	Chemical composition of the essential oil of Valeriana alliariifolia Adams of Iran. Natural Product Research, 2010, 24, 973-978.	1.8	12
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123	Structural Relationship Study of Electrochemical Properties of the Nano Structures ofCisâ€unsaturated Thiocrown Ethers and Their Supramolecular Complexes [Xâ€UTâ€Y][La@C₇₂(C₆H₃Cl₂)] Nonâ€IPR Carbon Cage. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 171-186.	2.1	7
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