

Mansour Zahedi

List of Publications by Year in descending order

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130
papers

1,376
citations

394390

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docs citations

133
times ranked

1428
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#	ARTICLE	IF	CITATIONS
1	A DFT comparative study of single and double SO ₂ adsorption on Pt-doped and Au-doped single-walled carbon nanotube. <i>Applied Surface Science</i> , 2015, 349, 864-869.	6.1	91
2	266 nm CH ₃ I photodissociation: CH ₃ spectra and population distributions by coherent Raman spectroscopy. <i>Journal of Chemical Physics</i> , 1994, 100, 4043-4055.	3.0	63
3	Rate constants for CN reactions with hydrocarbons and the product HCN vibrational populations: Examples of heavy-to-light-heavy abstraction reactions. <i>Journal of Chemical Physics</i> , 1992, 96, 5817-5826.	3.0	59
4	High resolution study of the $\hat{1}/21$ vibration of CH ₃ by coherent Raman photofragment spectroscopy. <i>Journal of Chemical Physics</i> , 1992, 96, 1822-1831.	3.0	58
5	Rheo-Optical Fourier Transform Infrared and Raman Spectroscopy of Polymers. <i>Applied Spectroscopy</i> , 1993, 47, 1531-1539.	2.2	55
6	To What Extent are σ -Atoms in Molecules Structures of Hydrocarbons Reproducible from the Promolecule Electron Densities?. <i>Chemistry - A European Journal</i> , 2016, 22, 5003-5009.	3.3	48
7	Unique 1 $\hat{1}$ 2 adduct formation of meso-tetraarylporphyrins and meso-tetraalkylporphyrins with BF ₃ : a spectroscopic and ab initio study. <i>New Journal of Chemistry</i> , 2004, 28, 1600-1607.	2.8	46
8	A Theoretical Elucidation of Glucose Interaction with HSA's Domains. <i>Journal of Biomolecular Structure and Dynamics</i> , 2010, 28, 211-226.	3.5	41
9	DFT/B3LYP study of the substituent effect on the reaction enthalpies of the individual steps of single electron transfer-proton transfer and sequential proton loss electron transfer mechanisms of chroman derivatives antioxidant action. <i>Computational and Theoretical Chemistry</i> , 2011, 969, 1-12.	2.5	36
10	Density Functional Theory (B3LYP) Study of Substituent Effects on O-H Bond Dissociation Enthalpies of <i>trans</i> -Resveratrol Derivatives and the Role of Intramolecular Hydrogen Bonds. <i>Journal of Organic Chemistry</i> , 2012, 77, 10093-10104.	3.2	36
11	Polyacenes electronic properties and their dependence on molecular size. <i>Computational and Theoretical Chemistry</i> , 2008, 862, 7-15.	1.5	29
12	DFT/B3LYP study of the solvent effect on the reaction enthalpies of homolytic and heterolytic OH bond cleavage in mono-substituted chromans. <i>Computational and Theoretical Chemistry</i> , 2011, 978, 16-28.	2.5	29
13	DFT/B3LYP study of the substituent effects on OH bond dissociation enthalpies of chroman derivatives in the gas phase and solvent environment. <i>Computational and Theoretical Chemistry</i> , 2011, 965, 114-122.	2.5	29
14	Kinetics and Mechanism of the Autocatalytic Oxidation of L-Asparagine in a Moderately Concentrated Sulfuric Acid Medium. <i>Kinetics and Catalysis</i> , 2004, 45, 351-358.	1.0	27
15	Non-adiabatic interactions in excited C ₂ H molecules and their relationship to C ₂ formation in comets. <i>Astrophysics and Space Science</i> , 1996, 236, 29-47.	1.4	22
16	The Role of Observables and Non-observables in Chemistry: A Critique of Chemical Language. <i>Foundations of Chemistry</i> , 2006, 8, 37-52.	1.1	22
17	Quantum chemical investigation of intramolecular thione-thiol tautomerism of 1,2,4-triazole-3-thione and its disubstituted derivatives. <i>Journal of Molecular Modeling</i> , 2010, 16, 841-855.	1.8	22
18	Use of seeded Nd:YAG lasers for high-resolution spectroscopy. <i>Optics Letters</i> , 1993, 18, 149.	3.3	20

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19	Cross-Linking Mechanisms of Arginine and Lysine with α,β -Dicarbonyl Compounds in Aqueous Solution. <i>Journal of Physical Chemistry A</i> , 2011, 115, 13542-13555.	2.5	19
20	Theoretical investigations of the hydrolysis pathway of verdoheme to biliverdin. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 385-395.	3.5	18
21	Effect of Axial Ligand on the Electronic Configuration, Spin States, and Reactivity of Iron Oxophlorin. <i>Inorganic Chemistry</i> , 2012, 51, 7094-7102.	4.0	17
22	Fullerene-C 60 and crown ether doped on C 60 sensors for high sensitive detection of alkali and alkaline earth cations. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 87, 51-58.	2.7	17
23	Carbonic anhydrase inhibitors: A quantum mechanical study of interaction between some antiepileptic drugs with active center of carbonic anhydrase enzyme. <i>Computational and Theoretical Chemistry</i> , 2012, 992, 59-69.	2.5	16
24	Protective effect of rutin (vitamin p) against heme oxidation: A quantum mechanical approach. <i>Computational and Theoretical Chemistry</i> , 2012, 996, 28-36.	2.5	16
25	Theoretical investigations of the reactivity of verdoheme analogues: Opening of the planar macrocycle by amide, dimethyl amide, and hydroxide nucleophiles to form helical biliverdin type complexes. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1449-1461.	3.5	15
26	Delayed autocatalytic behavior of Mn(II) ions at a critical ratio: The effect of structural isomerism on permanganic oxidation of L-norleucine. <i>International Journal of Chemical Kinetics</i> , 2006, 38, 1-11.	1.6	15
27	Noninnocent effect of axial ligand on the heme degradation process: a theoretical approach to hydrolysis pathway of verdoheme to biliverdin. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 13, 121-132.	2.6	15
28	A theoretical elucidation of bilirubin interaction with HSA's lysines: First electrostatic binding site in IIA subdomain. <i>Biophysical Chemistry</i> , 2007, 125, 375-387.	2.8	14
29	Theoretical investigations on the hydrolysis pathway of tin verdoheme complexes: elucidation of tin's ring opening inhibition role. <i>Journal of Molecular Modeling</i> , 2009, 15, 1299-1315.	1.8	14
30	Complexation of glycine by manganese (II) in the gas phase: A theoretical study. <i>International Journal of Mass Spectrometry</i> , 2010, 291, 73-83.	1.5	14
31	Comparative DFT Study To Determine if α -Oxoaldehydes are Precursors for Pentosidine Formation. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2986-2996.	2.5	14
32	Carboxylated single-walled carbon nanotubes as a semiconductor for adsorption of acrylamide in mainstream cigarette smoke. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 124, 114299.	2.7	14
33	Kinetics and mechanism of the oxidation of L- α -amino-n-butyric acid in moderately concentrated sulfuric acid medium. <i>Canadian Journal of Chemistry</i> , 2004, 82, 430-436.	1.1	13
34	An ab initio/hybrid (ONIOM) investigation of biliverdin isomers and metal-biliverdin analogue complexes. <i>Computational and Theoretical Chemistry</i> , 2003, 633, 21-33.	1.5	12
35	Towards a complete basis set limit of Hartree-Fock method: correlation-consistent versus polarized-consistent basis sets. <i>Theoretical Chemistry Accounts</i> , 2005, 113, 152-160.	1.4	12
36	Evaluation of the effect of the chiral centers of Taxol on binding to β -tubulin: A docking and molecular dynamics simulation study. <i>Computational Biology and Chemistry</i> , 2015, 56, 33-40.	2.3	12

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37	Tracing the Fingerprint of Chemical Bonds within the Electron Densities of Hydrocarbons: A Comparative Analysis of the Optimized and the Promolecule Densities. <i>ChemPhysChem</i> , 2016, 17, 3260-3268.	2.1	12
38	Semiempirical molecular orbital calculation of azobenzene: stability study of isomers and mechanism of E / Z isomerization. <i>Computational and Theoretical Chemistry</i> , 2000, 506, 257-261.	1.5	11
39	Prediction of novel complexation of porphine and BF ₃ : Is it a 1:1 or 1:2 species?. <i>Chemical Physics</i> , 2004, 301, 1-7.	1.9	11
40	Accurate potential energy curves of Li ₂ and LiH: A Quantum Monte-Carlo (QMC) study. <i>Chemical Physics Letters</i> , 2015, 634, 101-107.	2.6	11
41	Letter to the Editor: The concept of chemical bond “some like it fuzzy but others concrete. <i>Foundations of Chemistry</i> , 2007, 9, 85-95.	1.1	10
42	A theoretical elucidation of coordination properties of histidine and lysine to Mn ²⁺ . <i>International Journal of Mass Spectrometry</i> , 2012, 313, 47-57.	1.5	10
43	Comparison of the effects of sucrose molecules on alcohol dehydrogenase folding with those of sorbitol molecules on alcohol dehydrogenase folding using molecular dynamics simulation. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1973-1982.	2.2	10
44	Density functional theory studies on the conversion of hydroxyheme to iron-verdoheme in the presence of dioxygen. <i>Dalton Transactions</i> , 2017, 46, 2146-2158.	3.3	10
45	An ab initio investigation of sulfur diimides: stability of various conformers and conformational analysis Part I. parent sulfur diimide. <i>Computational and Theoretical Chemistry</i> , 2003, 629, 91-104.	1.5	9
46	Theoretical studies on models of lysine-arginine cross-links derived from α -oxoaldehydes: a new mechanism for glucosepane formation. <i>Journal of Molecular Modeling</i> , 2012, 18, 1645-1659.	1.8	9
47	Interaction Modes and Absolute Affinities of α -Amino Acids for Mn ²⁺ : A Comprehensive Picture. <i>ChemPhysChem</i> , 2013, 14, 1733-1745.	2.1	9
48	QM/MM Study of the Conversion of Oxophlorin into Verdoheme by Heme Oxygenase. <i>Journal of Physical Chemistry B</i> , 2017, 121, 11427-11436.	2.6	9
49	A novel mechanism of heme degradation to biliverdin studied by QM/MM and QM calculations. <i>Dalton Transactions</i> , 2018, 47, 8283-8291.	3.3	9
50	Magnetically Recyclable Fe ₃ O ₄ @TMU-32 Metal-Organic Framework Photocatalyst for Tetracycline Degradation Under Visible Light. <i>Inorganic Chemistry</i> , 2021, 60, 17997-18005.	4.0	9
51	Theoretical studies of biliverdin: energetics of the reduction pathways to bilirubin. <i>Journal of Molecular Modeling</i> , 2002, 8, 113-118.	1.8	8
52	Theoretical investigation of the ring opening process of verdoheme to biliverdin in the presence of dioxygen. <i>Journal of Molecular Modeling</i> , 2010, 16, 1401-1413.	1.8	8
53	Theoretical calculation and prediction for experimental design to obtain spin crossover complexes. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 1179-1186.	2.0	8
54	A benchmark study of Li ₂ ⁺ , Li ₂ ²⁺ , LiH ⁺ and LiH ²⁺ : Quantum Monte-Carlo and coupled-cluster computations. <i>Computational and Theoretical Chemistry</i> , 2017, 1114, 106-117.	2.5	8

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55	Effect of the axial ligands on the structure and reactivity of tin verdoheme in the ring opening process. <i>Inorganica Chimica Acta</i> , 2010, 363, 1577-1586.	2.4	7
56	Theoretical Study of Site Dependency on Charge Transfer at Au(111) Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5014-5018.	3.1	7
57	Separation of CH ₄ , H ₂ S, N ₂ and CO ₂ gases using four types of nanoporous graphene cluster model: a quantum chemical investigation. <i>Journal of Molecular Modeling</i> , 2021, 27, 201.	1.8	7
58	A theoretical study on the enthalpies of homolytic and heterolytic N-H bond cleavage in substituted melatonins in the gas-phase and aqueous solution. <i>Acta Chimica Slovenica</i> , 2013, 60, 43-55.	0.6	7
59	Semiempirical molecular orbital calculations of biliverdin: stability study of various isomers and conformation analysis. <i>Computational and Theoretical Chemistry</i> , 1998, 452, 125-131.	1.5	6
60	An ab initio investigation of sulfur diimides: stability of various conformers and conformational analysis part II. Dimethyl sulfur diimides (DMSD). <i>Computational and Theoretical Chemistry</i> , 2003, 636, 229-240.	1.5	6
61	Theoretical Investigation of Interaction of Sorbitol Molecules with Alcohol Dehydrogenase in Aqueous Solution Using Molecular Dynamics Simulation. <i>Cell Biochemistry and Biophysics</i> , 2011, 59, 79-88.	1.8	6
62	Complexation of nanoscale enzyme inhibitor with carbonic anhydrase active center: A quantum mechanical approach. <i>Journal of Structural Chemistry</i> , 2014, 55, 1574-1586.	1.0	6
63	Stone-Wales defect formation in the zigzag and armchair BC ₂ N nanotubes: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 58, 94-100.	2.7	6
64	A new mixed-ligand complex of copper(II) containing N-(2-pyridylmethyl)-2-pyrazinecarboxamide (NPyPzCa): Synthesis, molecular and crystal structure and properties of [Cu(NPyPzCa)(NO ₃)(DMSO)]. <i>Comptes Rendus Chimie</i> , 2011, 14, 563-567.	0.5	5
65	An in silico study on the ring-size effect in ring enlargement Bellus-Claisen rearrangement. <i>Computational and Theoretical Chemistry</i> , 2012, 981, 25-30.	2.5	5
66	Thermodynamic study of proton transfer in carbonic anhydrase/activator complex: A quantum mechanical approach. <i>Computational and Theoretical Chemistry</i> , 2013, 1022, 121-129.	2.5	5
67	Chameleonic Nature of Hydroxyheme in Heme Oxygenase and Its Reactivity: A Density Functional Theory Study. <i>Inorganic Chemistry</i> , 2014, 53, 2766-2775.	4.0	5
68	Theoretical study of the substituent effects on O-H BDE of trans-resveratrol derivatives in water and benzene: NBO analysis of intramolecular hydrogen bonds. <i>Structural Chemistry</i> , 2015, 26, 47-59.	2.0	5
69	Activation modelling of Î ² - and Î ³ -class of carbonic anhydrase with amines and amino acids: Proton transfer process within the active site from thermodynamic point of view. <i>Computational and Theoretical Chemistry</i> , 2017, 1109, 42-57.	2.5	5
70	Synthesis, structural characterization, QSAR and docking studies of a new binuclear nickel (II) complex based on the flexible tetradentate N-donor ligand as a potent antibacterial and anticancer agent. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1107-1123.	7.5	5
71	Exploration of the binding properties of the human serum albumin sites with neurology drugs by docking and molecular dynamics simulation. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 19-35.	2.2	5
72	Addition of borazine to boron nitride nanotubes: [2+2] cycloaddition or bond cleavage. <i>Monatshefte für Chemie</i> , 2019, 150, 1019-1024.	1.8	5

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73	Towards developing efficient metalloporphyrin-based hybrid photocatalysts for CO ₂ reduction; an ab initio study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23128-23140.	2.8	5
74	An ab initio quantum chemical comparative study of possible additive rules and linear relations in parent and extended sulfur diimide families. <i>Theoretical Chemistry Accounts</i> , 2006, 117, 153-161.	1.4	4
75	A computational study on the mechanism and the transition states of the cyclization of 1-trifluoromethyl-1,3-dicarbonyl compounds with azides to form 1,2,3-triazoles. <i>Computational and Theoretical Chemistry</i> , 2014, 1043, 64-70.	2.5	4
76	Boron-nitride ad-unit and carbon ad-dimer defects in the boron nitride nanotubes. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 79, 7-13.	4.0	4
77	Coupled Cluster and Quantum Monte-Carlo potential energy curves of the ground state of Be 2 and Be 2 + molecules. <i>Computational and Theoretical Chemistry</i> , 2017, 1112, 27-36.	2.5	4
78	Thiozonation and thiozonolysis of triatomic sulfur (S ₃) on the C ₇₀ fullerene: a DFT study. <i>Structural Chemistry</i> , 2018, 29, 1299-1306.	2.0	4
79	Design of new pincer fullerene ligands through [2+3] cycloaddition of the azomethine ylides to fullerene cage: a DFT study. <i>Molecular Simulation</i> , 2020, 46, 565-572.	2.0	4
80	Semiempirical molecular orbital calculations of biliverdin: study of dynamics and energetics of the self-association of a two-electron oxidation product. <i>Computational and Theoretical Chemistry</i> , 2000, 531, 79-88.	1.5	3
81	A theoretical investigation of electronic ground state of parent sulfur diimide. <i>Journal of Molecular Spectroscopy</i> , 2004, 223, 195-204.	1.2	3
82	How tin metal prevents verdoheme ring opening? Comparative study of various nucleophiles. <i>Computational and Theoretical Chemistry</i> , 2009, 908, 1-11.	1.5	3
83	A new chromium (III) complex containing N-(2-pyridylmethyl)-2-pyrazinecarboxamide, (NPyPzCa): Synthesis, molecular and crystal structure and theoretical electron density analysis. <i>Solid State Sciences</i> , 2010, 12, 1960-1965.	3.2	3
84	Kinetics and Mechanism of the Permanganate-Induced Oxidative Catalytic Condensation of Sarcosine to a Diketopiperazine. <i>Progress in Reaction Kinetics and Mechanism</i> , 2010, 35, 1-26.	2.1	3
85	Structure and Redox Behavior of Iron Oxophlorin and Role of Electron Transfer in the Heme Degradation Process. <i>Inorganic Chemistry</i> , 2012, 51, 12857-12866.	4.0	3
86	Investigation of origin of stereo-selectivity of BF ₃ ·Et ₂ O-promoted allylboration of aldehydes in the presence of (R)-pinanediol by computational method. <i>Computational and Theoretical Chemistry</i> , 2012, 999, 28-33.	2.5	3
87	Fully and partially exohydrogenated Si ₈₀ fullerene cage: a DFT study. <i>Structural Chemistry</i> , 2014, 25, 575-581.	2.0	3
88	Quantum Monte Carlo simulations using Slater-Jastrow-backflow wave function. <i>Computational and Theoretical Chemistry</i> , 2020, 1189, 112978.	2.5	3
89	QM study of interaction between arginine amino acid and Au clusters and the effects on arginine acidity. <i>Gold Bulletin</i> , 2021, 54, 45-57.	2.4	3
90	An ab initio investigation of sulfur diimides: stability of conformers and conformational analysis. Part III. The effect of moieties (X) on the SN ₂ H(X) hierarchy. <i>Computational and Theoretical Chemistry</i> , 2004, 673, 211-221.	1.5	2

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91	Modeling of biliverdin reduction process: regio-specificity and H-bonding. <i>Chemical Physics</i> , 2005, 310, 179-187.	1.9	2
92	Kinetics and mechanism of the dehydration reaction of sarcosine to a bislactame through diacylperoxide intermediate in strong acidic medium. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 689-703.	1.6	2
93	Conclusive evidence on the insensitivity of additive rules to the combinational details of exchange and correlation functional in hybrid DFT methods. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 160-170.	2.0	2
94	Ab initio studies of BN-acenes and cyclo BN-acenes electronic properties and their dependence on the molecular size and the number of electrons. <i>Computational and Theoretical Chemistry</i> , 2009, 905, 1-7.	1.5	2
95	Synthesis of a New Class of Highly Functionalized Phosphorus Ylides Containing Heterocyclic Compounds. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1893-1900.	4.9	2
96	Characterization of Hydrogen Bonds in the End-Functionalized Single-Wall Carbon Nanotubes: A DFT Study. <i>Nano</i> , 2015, 10, 1550036.	1.0	2
97	Incorporation of topological defects and atomic impurities on the carbon nanotube surface: A DFT study of ADimer defects. <i>Heteroatom Chemistry</i> , 2018, 29, .	0.7	2
98	QM/MM study of the conversion of biliverdin into verdoheme by heme oxygenase. <i>Theoretical Chemistry Accounts</i> , 2019, 138, 1.	1.4	2
99	Quantum Monte Carlo study of ground and first excited state of C, N, O, F, and Ne atoms using Slater-Jastrow-Backflow wave function. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26187.	2.0	2
100	Sustainable conversion of carbon dioxide to formic acid with Rh-decorated phosphorous-doped fullerenes: a theoretical study. <i>Structural Chemistry</i> , 2021, 32, 97-106.	2.0	2
101	Therapeutic Effects of Static Magnetic Fields for Diabetic Wound Healing: A Review of the Current Evidence. <i>Biosciences, Biotechnology Research Asia</i> , 2016, 13, 353-360.	0.5	2
102	An ab initio quantum chemical study of cumulative double bonds: stability of various conformers and charge distribution analysis. Part I. XY ₂ H ₂ hierarchy (X=O, S, Se and Y=N, P, As). <i>Computational and Theoretical Chemistry</i> , 2004, 683, 195-206.	1.5	1
103	Linear regression analysis of molecular energy properties for poly heterocyclic compounds. <i>Computational and Theoretical Chemistry</i> , 2009, 906, 35-40.	1.5	1
104	Kinetics and Mechanism of the KmnO ₄ -Oxidative Catalysed Condensation Reaction of L-Proline to a Diketopiperazine: Evidence for Delayed Autocatalytic Behaviour. <i>Progress in Reaction Kinetics and Mechanism</i> , 2011, 36, 95-119.	2.1	1
105	Kinetics and Mechanism of the Permanganate-Induced Autocatalytic Dehydration Reaction of L-Y-Amino-N-Butyric Acid to Give 2-Pyrrolidone through a Radical Intermediate in Moderately Concentrated Acidic Medium. <i>Progress in Reaction Kinetics and Mechanism</i> , 2011, 36, 120-138.	2.1	1
106	QM study of complexation between natural bilirubin and poly-terthiophene carboxylic acid-Mn(II) as a biosensor: Temperature and interferences effect. <i>Journal of Theoretical and Computational Chemistry</i> , 2015, 14, 1550048.	1.8	1
107	The Theoretical and Experimental Studies on Oxidation of Straight Chain Amino Acids in Moderately Concentrated Sulfuric Acid Medium. <i>International Journal of Chemical Kinetics</i> , 2016, 48, 647-659.	1.6	1
108	Theoretical study on the mono and multiply oxygenated Si ₆₀ H ₆₀ fullerene. <i>Molecular Physics</i> , 2016, 114, 819-828.	1.7	1

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109	AlSi2P nanotubes: a theoretical study. Structural Chemistry, 2016, 27, 525-533.	2.0	1
110	Computational study for the circular redox reaction of N2O with CO catalyzed by fullerometallic cations C60Fe+ and C70Fe+. Journal of Molecular Graphics and Modelling, 2017, 72, 50-57.	2.4	1
111	Chlorofluorofullerenes (CFFs). Structural Chemistry, 2017, 28, 1707-1716.	2.0	1
112	Polarizability of the Si60H60 Derivatives Containing Epoxide Moieties (Si60H60 ⁿ with n up to 30): A DFT Study. Journal of Cluster Science, 2018, 29, 889-896.	3.3	1
113	Formation of boron nitride islands in the graphene nanoflakes: A DFT study. Materials Chemistry and Physics, 2019, 223, 164-170.	4.0	1
114	Coupled Cluster and Quantum Monte-Carlo study of anionic hydrogen clusters H_n^-		

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127	Computational Design of New Hydroborane Fullerene-Based Pincer Ligands. <i>Journal of Cluster Science</i> , 0, , 1.	3.3	0
128	Computational Design of New N-Heterocyclic Silyl Pincer Fullerenes. <i>Silicon</i> , 0, , 1.	3.3	0
129	Theoretical exploration of the LiF-decorated BN cages as hydrogen storage materials. <i>Monatshefte für Chemie</i> , 2021, 152, 931-938.	1.8	0
130	The effect of external electric field and metal impurities on the interaction of HF and boraphene: a computational study. <i>Journal of Molecular Modeling</i> , 2021, 27, 50.	1.8	0