

Mohsen Oftadeh

List of Publications by Year in descending order

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32
papers

383
citations

759233

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all docs

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docs citations

32
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A combined computational and experimental study of the [Co(bpy) ₃] ^{2+/3+} complexes as one-electron outer-sphere redox couples in dye-sensitized solar cell electrolyte media. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11481.	2.8	37
2	Preparation of neutral ionic liquid [2-Eim] OAc with dual catalytic-solvent system roles for the synthesis of 2-amino-3-cyano-7-hydroxy-4-(aryl)-4H-chromene derivatives. <i>Journal of Molecular Liquids</i> , 2015, 212, 291-300.	4.9	30
3	New method for estimating the heat of formation of CHNO explosives in crystalline state. <i>High Temperatures - High Pressures</i> , 2003, 35/36, 499-504.	0.3	29
4	Novel ionic liquid [2-Eim] HSO ₄ as a dual catalytic-solvent system for preparation of hexahydroquinolines under green conditions. <i>RSC Advances</i> , 2015, 5, 55303-55312.	3.6	28
5	A new correlation for predicting the Chapman-Jouguet detonation pressure of CHNO explosives. <i>High Temperatures - High Pressures</i> , 2002, 34, 495-497.	0.3	28
6	Two New Correlations for Predicting Detonating Power of CHNO Explosives. <i>Bulletin of the Korean Chemical Society</i> , 2003, 24, 19-22.	1.9	22
7	Biological based (nano) gelatoric ionic liquids (NGILs): Application as catalysts in the synthesis of a substituted pyrazole via vinylogous anomeric based oxidation. <i>Journal of Molecular Liquids</i> , 2018, 271, 778-785.	4.9	21
8	Introducing Novel Tetrazole Derivatives as High Performance Energetic Compounds for Confined Explosion and as Oxidizer in Solid Propellants. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 492-498.	1.6	20
9	Preparation, characterization and application of novel ionic liquid as an efficient and reusable catalyst for the solvent-free synthesis of hexahydroquinolines. <i>Journal of Molecular Liquids</i> , 2015, 209, 224-232.	4.9	18
10	Fabrication of highly efficient dye-sensitized solar cell and CO ₂ reduction photocatalyst using TiO ₂ nanoparticles prepared by spin coating-assisted sol-gel method. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 143-149.	2.2	15
11	Assessment of two new nitrogen-rich tetrazine derivatives as high performance and safe energetic compounds. <i>RSC Advances</i> , 2015, 5, 87392-87399.	3.6	15
12	Kinetic and Thermodynamic Investigation of Human Serum Albumin Interaction with Anticancer Glycine Derivative of Platinum Complex by Using Spectroscopic Methods and Molecular Docking. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 506-528.	2.9	13
13	DFT molecular orbital calculations of initial step in decomposition pathways of TNAZ and some of its derivatives with -F, -CN and -OCH ₃ groups. <i>Computational and Theoretical Chemistry</i> , 2011, 964, 262-268.	2.5	12
14	Effective preparation of hexahydroquinolines under ambient and solvent-free conditions. <i>Journal of Molecular Liquids</i> , 2015, 204, 15-20.	4.9	12
15	The Theoretical Study on the Mechanism of [3+2] Cycloaddition Reactions between $\hat{1}\pm, \hat{1}^2$ -unsaturated Selenoaldehyde with Nitro and with Nitrile Oxide. <i>Journal of the Mexican Chemical Society</i> , 2020, 64, .	0.6	11
16	Investigation of interaction hydrogen sulfide with (5,0) and (5,5) single-wall carbon nanotubes by density functional theory method. <i>International Nano Letters</i> , 2013, 3, 1.	5.0	10
17	Assessment of the effect of N-oxide group in a new high-performance energetic tetrazine derivative on its physicochemical and thermodynamic properties, sensitivity, and combustion and detonation performance. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 797-801.	1.2	10
18	Thermally reversible solidification of novel ionic liquid [im]HSO ₄ by self-nucleated rapid crystallization: investigations of ionic conductivity, thermal properties, and catalytic activity. <i>RSC Advances</i> , 2016, 6, 108896-108907.	3.6	8

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19	A Novel Class of Nitrogen-rich Explosives Containing High Oxygen Balance to Use as High Performance Oxidizers in Solid Propellants. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 1155-1160.	1.6	7
20	Spectroscopic and docking molecular study of new anticancer Pt complex binding with human serum albumin. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2021, 40, 369-392.	1.1	6
21	Host (nanopores of zeolite-Y)/guest (Co(II)-azamacrocyclic complexes) nanocomposite materials: synthesis, characterization and catalytic epoxidation of styrene with molecular oxygen. <i>Journal of Coordination Chemistry</i> , 2008, 61, 2837-2851.	2.2	5
22	The impact of intramolecular H-bonding on the aromatic character of substituted penta-fulvenes. <i>Computational and Theoretical Chemistry</i> , 2013, 1017, 31-36.	2.5	5
23	Effect of Presence of Aliphatic Glycine in the Anti-cancer Platinum Complex Structure on Human Serum Albumin Binding. <i>Journal of Pharmaceutical Innovation</i> , 2022, 17, 353-365.	2.4	4
24	Investigation of the physico-chemical interaction of ct-DNA with Anticancer Glycine Derivative of Pt-complex by applying docking and MD simulation methods and multi-spectroscopic techniques. <i>Journal of Molecular Structure</i> , 2022, , 133115.	3.6	4
25	Investigation of optoelectronic properties of N3 dye-sensitized TiO ₂ nano-crystals by hybrid methods: ONIOM (QM/MM) calculations. <i>International Nano Letters</i> , 2013, 3, 1.	5.0	3
26	Synthesis of ZnO nanoparticles and their optical properties. <i>International Journal of Nanoparticles</i> , 2009, 2, 307.	0.3	2
27	SIZED-CONTROLLED ZnO NANOPARTICLES, SYNTHESIS AND MORPHOLOGY. <i>International Journal of Nanoscience</i> , 2009, 08, 277-279.	0.7	2
28	Luminescent excited-state intramolecular proton-transfer dyes based on 4-functionalized 6,6'-dimethyl-3,3'-dihydroxy-2,2'-bipyridine (BP(OH) ₂ -Rs); DFT simulation study. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 107, 107948.	2.4	2
29	Dynamic and Thermodynamic Investigation on the Interaction of Bovine Serum Albumin with an Anticancer Pt Complex Containing Dithiocarbamate Using Molecular Docking and Spectroscopic Methods. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2823-2843.	2.6	2
30	Polymer drug interactions in thiazolylthioacetamide derivatives-linear dendritic copolymer nanoparticles: ONIOM approach. <i>Journal of Pharmaceutical Investigation</i> , 2013, 43, 323-331.	5.3	1
31	A study of donor-acceptor in the charge transfer molecular complexes of some thiacycrown ethers with dihalogen molecules by DFT method. <i>Acta Chimica Slovenica</i> , 2013, 60, 95-104.	0.6	1
32	Various Electrode Configurations Effect on the Electronic Transport of CNT/Benzene/CNT System by DFT-NEGF Method. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2021, 45, 1657-1663.	1.5	0