

Foad Buazar

List of Publications by Year in descending order

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29
papers

1,236
citations

471509

17
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1076
citing authors

#	ARTICLE	IF	CITATIONS
1	Phycosynthesis and Enhanced Photocatalytic Activity of Zinc Oxide Nanoparticles Toward Organosulfur Pollutants. <i>Scientific Reports</i> , 2019, 9, 6866.	3.3	256
2	Synergistic effects of combinatorial chitosan and polyphenol biomolecules on enhanced antibacterial activity of biofunctionalized silver nanoparticles. <i>Scientific Reports</i> , 2020, 10, 19615.	3.3	108
3	Potato extract as reducing agent and stabiliser in a facile green one-step synthesis of ZnO nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 175-184.	2.4	94
4	Biofabrication of highly pure copper oxide nanoparticles using wheat seed extract and their catalytic activity: A mechanistic approach. <i>Green Processing and Synthesis</i> , 2019, 8, 691-702.	3.4	91
5	A novel one-pot biosynthesis of pure alpha aluminum oxide nanoparticles using the macroalgae <i>Sargassum ilicifolium</i> : A green marine approach. <i>Ceramics International</i> , 2018, 44, 8940-8945.	4.8	79
6	Facile one-pot phytosynthesis of magnetic nanoparticles using potato extract and their catalytic activity. <i>Starch/Staerke</i> , 2016, 68, 796-804.	2.1	69
7	Algal magnetic nickel oxide nanocatalyst in accelerated synthesis of pyridopyrimidine derivatives. <i>Scientific Reports</i> , 2021, 11, 6296.	3.3	67
8	Enhanced sunlight photocatalytic activity and biosafety of marine-driven synthesized cerium oxide nanoparticles. <i>Scientific Reports</i> , 2021, 11, 14734.	3.3	67
9	Enhanced antibacterial activity, mechanical and physical properties of alginate/hydroxyapatite bionanocomposite film. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 786-792.	7.5	65
10	Impact of Biocompatible Nanosilica on Green Stabilization of Subgrade Soil. <i>Scientific Reports</i> , 2019, 9, 15147.	3.3	42
11	Photodegradation of odorous 2-mercaptobenzoxazole through zinc oxide/hydroxyapatite nanocomposite. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 719-729.	3.1	33
12	Al nanoparticles: Impact of media and current on the arc fabrication. <i>Journal of Manufacturing Processes</i> , 2009, 11, 31-37.	5.9	31
13	Novel marine-based gold nanocatalyst in solvent-free synthesis of polyhydroquinoline derivatives: Green and sustainable protocol. <i>Applied Organometallic Chemistry</i> , 2020, 34, e6000.	3.5	30
14	Ab initio study of singlet-triplet energy separations in C ₂ H _X Si silylenes (X=H, F, Cl and Br). <i>Computational and Theoretical Chemistry</i> , 2005, 722, 151-160.	1.5	28
15	Heteroatom impacts on structure, stability and aromaticity of X _n C ₂₀ fullerene: A theoretical prediction. <i>Computational and Theoretical Chemistry</i> , 2010, 940, 19-28.	1.5	21
16	Media effects on nanobrass arc fabrications. <i>Journal of Alloys and Compounds</i> , 2008, 453, 229-232.	5.5	20
17	Selenium functionalized magnetic nanocomposite as an effective mercury (II) ion scavenger from environmental water and industrial wastewater samples. <i>Journal of Environmental Management</i> , 2020, 276, 111263.	7.8	20
18	Triplet germynes with separable minima at ab initio and DFT levels. <i>Computational and Theoretical Chemistry</i> , 2008, 866, 52-57.	1.5	18

#	ARTICLE	IF	CITATIONS
19	Catalyst Degradation in High Temperature Proton Exchange Membrane Fuel Cells Based on Acid Doped Polybenzimidazole Membranes. <i>Fuel Cells</i> , 2013, 13, 822-831.	2.4	17
20	Effects of Current on Arc Fabrication of Cu Nanoparticles. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-5.	2.7	16
21	Multiplicity vs. stability in C2HP carbenes and their halogenated analogues: an ab initio and DFT study. <i>Computational and Theoretical Chemistry</i> , 2005, 726, 171-181.	1.5	14
22	An ab initio and DFT comparative study of electronic effects on spin multiplicities and structures of $\text{X}\text{C}\equiv\text{C}\text{N}$ carbenes. <i>Computational and Theoretical Chemistry</i> , 2005, 728, 15-24.	1.5	14
23	Nanosteel synthesis via arc discharge: media and current effects. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 151-156.	2.2	14
24	Diverse tungsten nanoparticles via arc discharge. <i>Journal of Manufacturing Processes</i> , 2010, 12, 85-91.	5.9	8
25	Detours for Reaching at New Germylenes, Silylenes, Carbenes, and Carbenogermylenes through Substituted Cyclopropenylidenes at Ab initio and DFT Levels. <i>Monatshefte für Chemie</i> , 2007, 138, 833-848.	1.8	5
26	Theoretical impacts of terminal atoms (C, B, N, and P) on fragments of single-walled hetero carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 3187-3192.	2.7	3
27	A novel triplet germylene F_3CGeGeH at theoretical levels. <i>Computational and Theoretical Chemistry</i> , 2009, 899, 46-53.	1.5	3
28	Novel Triplet Ground State Silylenes: $\text{H}\text{C}\equiv\text{N} = \text{C} = \text{Si}$, $\text{CN}\text{C}\equiv\text{N} = \text{C} = \text{Si}$, and $\text{MeO}\text{C}\equiv\text{N} = \text{C} = \text{Si}$ at DFT Levels. <i>Monatshefte für Chemie</i> , 2006, 137, 1385-1400.	1.8	2
29	Novel disilyleno- and digermylenocarbenes and SiSi containing cyclopropenylidenes at theoretical levels. <i>Computational and Theoretical Chemistry</i> , 2009, 893, 48-55.	1.5	0