

Abbas Teimouri

List of Publications by Year in descending order

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53
papers

1,628
citations

279798

23
h-index

302126

39
g-index

54
all docs

54
docs citations

54
times ranked

2046
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient and one-pot synthesis of 2,4,5-trisubstituted and 1,2,4,5-tetrasubstituted imidazoles catalyzed via solid acid nano-catalyst. <i>Journal of Molecular Catalysis A</i> , 2011, 346, 39-45.	4.8	123
2	Chitosan /Zeolite Y/Nano ZrO ₂ nanocomposite as an adsorbent for the removal of nitrate from the aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 254-266.	7.5	110
3	Green and efficient diazotization and diazo coupling reactions on clays. <i>Dyes and Pigments</i> , 2007, 73, 239-244.	3.7	100
4	An efficient and one-pot synthesis of benzimidazoles, benzoxazoles, benzothiazoles and quinoxalines catalyzed via nano-solid acid catalysts. <i>Journal of Molecular Catalysis A</i> , 2013, 373, 38-45.	4.8	80
5	Fabrication and characterization of nanobiocomposite scaffold of zein/chitosan/nanohydroxyapatite prepared by freeze-drying method for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 1017-1027.	7.5	77
6	Catalytic oxidative desulfurization of dibenzothiophene utilizing molybdenum and vanadium oxides supported on MCM-41. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14816-14833.	7.1	69
7	Nano-composite of silk fibroin/chitosan/Nano ZrO ₂ for tissue engineering applications: Fabrication and morphology. <i>International Journal of Biological Macromolecules</i> , 2015, 76, 292-302.	7.5	68
8	Decolorization of crystal violet from aqueous solutions by a novel adsorbent chitosan/nanodiopside using response surface methodology and artificial neural network-genetic algorithm. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 429-443.	7.5	62
9	Synthesis and characterization of a chitosan/montmorillonite/ZrO ₂ nanocomposite and its application as an adsorbent for removal of fluoride. <i>RSC Advances</i> , 2015, 5, 6771-6781.	3.6	57
10	Clay-catalyzed synthesis of 5-substituted 1H-tetrazoles. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 913-922.	2.6	56
11	Preparation, characterization, degradation and biocompatibility of different silk fibroin based composite scaffolds prepared by freeze-drying method for tissue engineering application. <i>Polymer Degradation and Stability</i> , 2015, 121, 18-29.	5.8	56
12	Fabrication and characterization of novel diopside/silk fibroin nanocomposite scaffolds for potential application in maxillofacial bone regeneration. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 275-280.	7.5	52
13	Simple and efficient synthesis of 5-substituted 1H-tetrazoles using metal-modified clay catalysts. <i>Heteroatom Chemistry</i> , 2011, 22, 168-173.	0.7	45
14	Zeolite and sulfated zirconia as catalysts for the synthesis of 5-substituted 1H-tetrazoles via [2+3] cycloaddition of nitriles and sodium azide. <i>Polyhedron</i> , 2011, 30, 2606-2610.	2.2	39
15	Removal of Congo Red from Aqueous Solution by Hydroxyapatite Nanoparticles Loaded on Zein as an Efficient and Green Adsorbent: Response Surface Methodology and Artificial Neural Network-Genetic Algorithm. <i>Journal of Polymers and the Environment</i> , 2018, 26, 3677-3697.	5.0	38
16	Highly Efficient Removal of Lead Ions from Aqueous Solutions Using Chitosan/Rice Husk Ash/Nano Alumina with a Focus on Optimization by Response Surface Methodology: Isotherm, Kinetic, and Thermodynamic Studies. <i>Journal of Polymers and the Environment</i> , 2019, 27, 1025-1042.	5.0	38
17	Design and fabrication of novel chitin hydrogel/chitosan/nano diopside composite scaffolds for tissue engineering. <i>Ceramics International</i> , 2017, 43, 1657-1668.	4.8	34
18	Theoretical studies on tautomerism of tetrazole derivatives by polarisable continuum method (PCM). <i>Computational and Theoretical Chemistry</i> , 2007, 820, 7-11.	1.5	29

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19	Preparation and characterization of novel β -chitin/nanodiopside/nanohydroxyapatite composite scaffolds for tissue engineering applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1-14.	3.5	29
20	Synthesis, characterization and biocompatible properties of novel silk fibroin/graphene oxide nanocomposite scaffolds for bone tissue engineering application. <i>Polymer Bulletin</i> , 2019, 76, 725-745.	3.3	29
21	Synthesis and characterisation of magnetic activated carbon/diopside nanocomposite for removal of reactive dyes from aqueous solutions: experimental design and optimisation. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 568-594.	3.3	29
22	Synthesis and characterization of pistachio shell/nanodiopside nanocomposite and its application for removal of Crystal Violet dye from aqueous solutions using central composite design. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 1624-1649.	3.3	28
23	Fabrication and characterization of silk fibroin/chitosan/Nano β -alumina composite scaffolds for tissue engineering applications. <i>RSC Advances</i> , 2015, 5, 27558-27570.	3.6	27
24	Fabrication and characterization of silk/forsterite composites for tissue engineering applications. <i>Ceramics International</i> , 2014, 40, 6405-6411.	4.8	25
25	Selective complexation of alkaline earth metal ions with nanotubular cyclopeptides: DFT theoretical study. <i>RSC Advances</i> , 2015, 5, 2305-2317.	3.6	23
26	Theoretical studies on tautomerism of tetrazole 5-thion. <i>Structural Chemistry</i> , 2011, 22, 175-181.	2.0	22
27	One-pot Green Synthesis of Pyrrole Derivatives Catalyzed by Nano Sulfated Zirconia as a Solid Acid Catalyst. <i>Chinese Journal of Chemistry</i> , 2012, 30, 372-376.	4.9	22
28	Application of a functionalized mesoporous silica catalyst to the synthesis of tetrazoles. <i>New Journal of Chemistry</i> , 2015, 39, 4814-4820.	2.8	20
29	Preparation, characterization and biocompatible properties of β -chitin/silk fibroin/nanohydroxyapatite composite scaffolds prepared using a freeze-drying method. <i>RSC Advances</i> , 2016, 6, 7048-7060.	3.6	20
30	Removal of Cd(II) ions from aqueous solutions by nanodiopside as a novel and green adsorbent: Optimisation by response surface methodology. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-22.	3.3	18
31	Preparation and characterization of novel chitosan/nanodiopside/nanohydroxyapatite composite scaffolds for tissue engineering applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 917-927.	3.4	15
32	β -Chitin/gelatin/nanohydroxyapatite composite scaffold prepared through freeze-drying method for tissue engineering applications. <i>Polymer Bulletin</i> , 2016, 73, 3513-3529.	3.3	15
33	Theoretical studies on proton transfer reaction of 3(5)-substituted pyrazoles. <i>Journal of Chemical Sciences</i> , 2014, 126, 273-281.	1.5	13
34	Characterization and catalytic properties of molybdenum oxide catalysts supported on $ZrO_2 \cdot nH_2O$ for ammoxidation of toluene. <i>RSC Advances</i> , 2014, 4, 37679-37686.	3.6	13
35	KIT-6-anchored sulfonic acid groups as a heterogeneous solid acid catalyst for the synthesis of aryl tetrazoles. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 831-838.	2.2	13
36	Selective complexation of alkali metal ions and nanotubular cyclopeptides: a DFT study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 79, 205-214.	1.6	12

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37	Amino-functionalized mesoporous silica as solid base catalyst for regioselective aza-Michael reaction of aryl tetrazoles. <i>Journal of Porous Materials</i> , 2016, 23, 441-451.	2.6	12
38	Studies on tautomerism in the triazoline dione. <i>Canadian Journal of Chemistry</i> , 2011, 89, 1387-1395.	1.1	11
39	Theoretical studies on tautomerism of imidazole-2-selenone. <i>Structural Chemistry</i> , 2013, 24, 1215-1227.	2.0	11
40	Metal ion binding of s-block cations and nanotubular cyclic (proline) ₄ : A theoretical study. <i>Structural Chemistry</i> , 2015, 26, 675-684.	2.0	11
41	Ab initio and DFT studies of hydrogen bond interactions in difluoroacetic acid dimer. <i>Structural Chemistry</i> , 2010, 21, 643-649.	2.0	10
42	Theoretical studies on the reactivity of mono-substituted imidazole ligands. <i>Structural Chemistry</i> , 2014, 25, 583-592.	2.0	10
43	Synthesis of mono and bis-4-methylpiperidiniummethyl-urea as corrosion inhibitors for steel in acidic media. <i>Frontiers of Chemical Science and Engineering</i> , 2011, 5, 43-50.	4.4	9
44	A DFT-D study on the interaction between lactic acid and single-wall carbon nanotubes. <i>RSC Advances</i> , 2015, 5, 97724-97733.	3.6	9
45	Complexation of all-cis cyclo(L-Pro) ₃ and alkali metal cations: a DFT study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 81, 465-473.	1.6	7
46	Fabrication and characterization of chitosan/gelatin/nanodiopside composite scaffolds for tissue engineering application. <i>Polymer Bulletin</i> , 2018, 75, 1487-1504.	3.3	7
47	Developments of modified magnetic nanoparticle-supported heteropolyacid photocatalytic performances in methylene blue scavenger. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 1218-1228.	1.4	6
48	DFT and MP2 Study of Intermolecular Interaction of 5-Aminotetrazole and Hydrazine: Enthalpy of Formation of Hydrazinium 5-Aminotetrazolate in the Gas Phase. <i>Propellants, Explosives, Pyrotechnics</i> , 2014, 39, 496-503.	1.6	5
49	One-pot synthesis of ethylacrylate(1H-tetrazol-5-yl)acrylates and 3-(1H-tetrazol-5-yl)coumarins via tandem [2+3] dipolar cycloaddition reaction-Knoevenagel condensation. <i>ChemistrySelect</i> , 2016, 1, 430-433.	1.5	4
50	Theoretical studies on the reactivity of thiazole derivatives. <i>Monatshefte für Chemie</i> , 2014, 145, 1769-1776.	1.8	3
51	Selective Complexation of s-block Cations with Nanotubular Silk Type Cyclopeptides: A DFT Study. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 1105-1113.	1.4	2
52	Interaction of Lactic Acid and Silicon-doped Single-walled Carbon Nanotubes: A Density Functional Theory Study. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 250-260.	1.4	1
53	Castor oil/hydroxyapatite modified chitosan composite scaffolds with antibacterial property for wound healing applications. <i>Polymer Bulletin</i> , 0, , 1.	3.3	0