

Behrouz Shaabani

List of Publications by Year in descending order

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54
papers

1,885
citations

393982

19
h-index

253896

43
g-index

55
all docs

55
docs citations

55
times ranked

2069
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion inhibition of mild steel by some schiff base compounds in hydrochloric acid. Applied Surface Science, 2005, 239, 154-164.	3.1	437
2	Effect of some pyrimidinic Schiff bases on the corrosion of mild steel in hydrochloric acid solution. Electrochimica Acta, 2005, 50, 3446-3452.	2.6	319
3	Investigation of the catalytic activity of nano-sized CuO, Co ₃ O ₄ and CuCo ₂ O ₄ powders on thermal decomposition of ammonium perchlorate. Powder Technology, 2012, 217, 330-339.	2.1	250
4	Synthesis, characterization and spectroscopic and electrochemical studies of new axially coordinated cobalt(III) salen (salen=N,N'-bis(salicylidene)-1,2-ethylenediamine) complexes. The crystal structure of [Co(III)(salen)(aniline) ₂]ClO ₄ . Polyhedron, 2006, 25, 1893-1900.	1.0	69
5	Preparation of CuO nanopowders and their catalytic activity in photodegradation of Rhodamine-B. Advanced Powder Technology, 2014, 25, 1043-1052.	2.0	68
6	Synthesis, crystal structure, antimicrobial activity and electrochemistry study of chromium(III) and copper(II) complexes based on semicarbazone Schiff base and azide ligands. Inorganica Chimica Acta, 2013, 394, 563-568.	1.2	44
7	Iron oxide/bismuth oxide nanocomposites coated by graphene quantum dots: "Three-in-one" theranostic agents for simultaneous CT/MR imaging-guided in vitro photothermal therapy. Photodiagnosis and Photodynamic Therapy, 2019, 25, 504-514.	1.3	42
8	Synthesis, characterization, electrochemical and spectroscopic investigation of cobalt(III) Schiff base complexes with axial amine ligands: The layered crystal structure of [Co(III)(salophen)(4-picoline) ₂]ClO ₄ ·CH ₂ Cl ₂ . Inorganica Chimica Acta, 2007, 360, 3255-3264.	1.2	39
9	Novel binuclear Cu(II) complexes combining a semicarbazone Schiff base with distinct bridging ligands: Structure and antimicrobial activity. Polyhedron, 2013, 57, 118-126.	1.0	31
10	Synthesis, Crystal Structure, and Biological Activity of a Multidentate Calix[4]arene Ligand Doubly Functionalized by 2-Hydroxybenzylidene-Thiosemicarbazone. Molecules, 2020, 25, 370.	1.7	31
11	Para-sulfonatocalix[n]arene-based biomaterials: Recent progress in pharmaceutical and biological applications. European Journal of Medicinal Chemistry, 2020, 190, 112121.	2.6	29
12	Sonochemical Synthesis of a Novel Nanoscale Lead(II) Coordination Polymer: Synthesis, Crystal Structure, Thermal Properties, and DFT Calculations of [Pb(dmp)($\frac{1}{4}$ N ₃) ₃]($\frac{1}{4}$ NO ₃) ₃]·nH ₂ O with the Novel Pb ₂ ($\frac{1}{4}$ N ₃) ₃ ($\frac{1}{4}$ NO ₃) ₂ Unit. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 713-719.	0.6	28
13	Novel pseudohalide-bridged Cu(II) complexes with a hydrazone ligand: Evaluation of antimicrobial activity. Polyhedron, 2014, 80, 166-172.	1.0	27
14	Direct Synthesis of PbO Nanoparticles From a Lead(II) Nano Coordination Polymer Precursor: Synthesis, Crystal Structure, and DFT Calculations of [Pb ₂ (dmp) ₂ ($\frac{1}{4}$ N ₃) ₃]($\frac{1}{4}$ ClO ₄) ₂]·nH ₂ O with the First Pb ₂ ($\frac{1}{4}$ ClO ₄) ₂ Unit. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 844-850.	1.6	26
15	Design of a Thiosemicarbazide-Functionalized Calix[4]arene Ligand and Related Transition Metal Complexes: Synthesis, Characterization, and Biological Studies. Frontiers in Chemistry, 2019, 7, 663.	1.8	26
16	Chromium(III), manganese(II) and iron(III) complexes based on hydrazone Schiff-base and azide ligands: synthesis, crystal structure and antimicrobial activity. Journal of Coordination Chemistry, 2017, 70, 696-708.	0.8	25
17	Sonochemical Synthesis and Structural Characterization and DFT Calculations of a Novel Nano Flower Pb(II) Coordination Compound [Pb(phen) ₂ (4-abs) ₂] _n . Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 1397-1403.	1.9	23
18	Cadmium(II) complexes of a hydrazone ligand: Synthesis, characterization, DNA binding, cyto- and genotoxicity studies. Polyhedron, 2019, 171, 237-248.	1.0	23

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19	Graphene Quantum Dots-Coated Bismuth Nanoparticles for Improved CT Imaging and Photothermal Performance. <i>International Journal of Nanoscience</i> , 2020, 19, 1850043.	0.4	20
20	Synthesis, characterization and electrochemical properties of two new calix[4]arene derivatives bearing two ferrocene imine or ferrocene amine units at the upper rim. <i>Tetrahedron</i> , 2010, 66, 3259-3264.	1.0	19
21	Synthesis of Core-Shell Magnetic Supramolecular Nanocatalysts based on Amino-Functionalized Calix[4]arenes for the Synthesis of $4H\text{-}i\text{-}C\text{-}Chromenes$ by Ultrasonic Waves. <i>ChemistryOpen</i> , 2020, 9, 735-742.	0.9	19
22	TiO ₂ nanoparticles with superior hydrogen evolution and pollutant degradation performance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24162-24173.	3.8	18
23	Synthesis of 1-(\pm -aminoalkyl)-2-naphthol and \pm -aminonitrile derivatives with molybdenum Schiff base complex covalently bonded on silica-coated magnetic nanoparticles and DNA interaction study of one type of derivatives using computational and spectroscopic methods. <i>Bioorganic Chemistry</i> , 2019, 85, 420-430.	2.0	17
24	Sonochemical Synthesis of Bismuth(III) Nano Coordination Compound and Direct Synthesis of Bi ₂ O ₃ Nanoparticles from a Bismuth(III) Nano Coordination Compound Precursor. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 1226-1232.	1.9	16
25	Environmentally benign synthesis of pyranopyrazole derivatives by cobalt Schiff-base complexes immobilized on magnetic iron oxide nanoparticles. <i>Journal of Organometallic Chemistry</i> , 2019, 897, 139-147.	0.8	16
26	Two coordination polymers based on semicarbazone Schiff base and azide: synthesis, crystal structure, electrochemistry, magnetic properties and biological activity. <i>Journal of Coordination Chemistry</i> , 2013, 66, 748-762.	0.8	15
27	Effective one-pot synthesis of tetrahydrobenzo[<i>b</i>]pyran derivatives using nickel Schiff-base complex immobilized on iron oxide nanoparticles. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5683.	1.7	14
28	Synthesis, crystal structures, antimicrobial activities, and DFT calculations of two new azido nickel(II) complexes. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2096-2109.	0.8	12
29	2D holodirected lead(II) halide coordination polymers based on rigid N,N'-bis(4-pyridylmethylidene) phenylene-1,4-diamine ligand: Syntheses, crystal structures, NBO studies and luminescence properties. <i>Polyhedron</i> , 2017, 129, 38-45.	1.0	12
30	Magnetic dimensionality and the crystal structure of two copper(II) coordination polymers containing Cu ₆ and Cu ₂ building units. <i>Dalton Transactions</i> , 2019, 48, 11421-11432.	1.6	12
31	Sonochemical Synthesis and Characterization of the New Plate-Shaped Lead(II)-Iodo Coordination Polymer: A Precursor to Produce a Pure Phase Nano-Sized Lead(II) Oxide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 1293-1299.	1.9	11
32	Optical spectroscopy studies of the complexation of bis(azophenol)calix[4]arene possessing chromogenic donors with Ni ²⁺ , Co ²⁺ , Cu ²⁺ , Pb ²⁺ and Hg ²⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 81-85.	2.0	11
33	Preparation and characterization of hexagonal mesoporous $\text{I}^2\text{-Co(OH)}_2$ nanorings. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 421-426.	2.2	11
34	Anion-binding properties of two calix[4]arene derivatives containing two ferrocene imine or ferrocene amine units at the upper rim. <i>Applied Organometallic Chemistry</i> , 2011, 25, 317-322.	1.7	10
35	Crystal structure and topological ferrimagnetic behavior of a new 2D metal-organic hybrid manganese complex $[\text{Mn}_3(\text{N}_3)_4(\text{L})_2(\text{H}_2\text{O})_2]_n \cdot 0.6(\text{C}_2\text{H}_5\text{OH}) \cdot 1.4(\text{H}_2\text{O})$ with the AF/AF/F alternating sequence (HL=N,N'-((pyridine-2-yl)methylene)isonicotinohydrazide). <i>Polyhedron</i> , 2013, 49, 61-66.	1.0	10
36	Cd(II) coordination polymers based on expanded N,N'-heteroaromatic donor ligands. <i>Polyhedron</i> , 2017, 133, 110-118.	1.0	10

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37	Synthesis, structure and electrochemistry behavior of a cobalt(III) compound with azide and methyl 2-pyridyl ketone semicarbazone ligands. <i>Journal of Molecular Structure</i> , 2013, 1045, 55-61.	1.8	9
38	Selective ipso-Nitration of tert-Butylcalix[4]arene Tripropylether. <i>Molecules</i> , 2000, 5, 941-944.	1.7	8
39	A Novel Metal-Ligand Iodo-Bridged Lead(II) Compound: Synthesis, Crystal Structure, Thermal Properties, and DFT Calculations of $[Pb(dmp)_2]_n$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1596-1600.	0.6	8
40	Synthesis, X-ray crystal structure and DFT studies of cobalt(II) and vanadium(V) complexes with N,N,O-tridentate aroyl-hydrazone based ligand. <i>Journal of Coordination Chemistry</i> , 2018, 71, 89-103.	0.8	8
41	Construction of one dimensional Co(II) and Zn(II) coordination polymers based on expanded N,N'-donor ligands. <i>Inorganica Chimica Acta</i> , 2018, 469, 461-468.	1.2	8
42	Synthesis and Characterization of Two New p-tert-Butylcalix[4]-arene Schiff Bases. <i>Molecules</i> , 2001, 6, 417-423.	1.7	7
43	Construction of new 1D and 2D coordination polymers generated from rigid N,N'-bis(4-pyridylmethylene)-1,5-naphthalenediamine ligand: Syntheses, crystal structures and luminescence properties. <i>Inorganica Chimica Acta</i> , 2017, 455, 158-165.	1.2	7
44	The solvent-free synthesis of polysubstituted pyrroles by a reusable copper Schiff base complex immobilized on silica coated Fe_3O_4 , and DNA binding study of one resulting derivative as a potential anticancer drug. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4754.	1.7	7
45	A Novel Polymeric Lead(II)-Azido Compound: Synthesis, Structural Characterization, and DFT Calculations of $[Pb(dmp)(N_3)_2]_n$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, NA-NA.	0.6	5
46	Synthesis, Structural Characterization, and Electrochemical Studies of New Oxovanadium(V) Complexes Derived from 2-Furanoylhydrazon Derivatives. <i>Journal of Chemistry</i> , 2013, 2013, 1-12.	0.9	5
47	Cd and Cu coordination polymers constructed from the expanded 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene ligand: conventional and ultrasound-assisted synthesis, crystal structure, luminescence and magnetic properties. <i>New Journal of Chemistry</i> , 2018, 42, 15860-15870.	1.4	5
48	Calix[4]arene-based thiosemicarbazide Schiff-base ligand and its transition metal complexes: synthesis and biological assessment. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 3429-3441.	1.2	5
49	Synthesis of \pm -aminoalkyl naphthol derivatives in the presence of nickel complexes immobilized on multi-wall carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2020, 239, 121985.	2.0	4
50	Uranyl Microsensor: An Asymmetric Potentiometric Membrane Sensor Based on a New Calix[4]arene. <i>Analytical Letters</i> , 2010, 43, 2220-2233.	1.0	3
51	Synthesis, crystal structure and DFT calculations of a new Hg (II) metal-organic polymer. <i>Main Group Chemistry</i> , 2016, 15, 257-266.	0.4	3
52	Synthesis, characterization and extraction properties of calix[4]crown with amine units and study of its complexes with Cu(II). <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2017, 87, 75-83.	0.9	1
53	Organic-inorganic hybrid materials from divalent metal cations and expanded N,N'-donor linkers. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 97-111.	0.4	1
54	A series of 1-D zinc(II) coordination polymers with 3-D supramolecular networks: synthesis, structural investigation, and NBO analysis. <i>Journal of Coordination Chemistry</i> , 2018, 71, 4031-4046.	0.8	0