

Babak Mirtamizdoust

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

927
citations

21
h-index

26
g-index

74
ext. papers

978
ext. citations

3.7
avg, IF

4.59
L-index

#	Paper	IF	Citations
72	The Synthesis and Characterization of a Novel One-Dimensional Bismuth (III) Coordination Polymer as a Precursor for the Production of Bismuth (III) Oxide Nanorods. <i>Crystals</i> , 2022 , 12, 113	2.3	1
71	Sonochemical synthesis of the novel 1D zig-zag Hg(II)-Iodo bridged metal-organic coordination compounds with thiosemicarbazide derivative ligand. <i>Journal of Molecular Structure</i> , 2021 , 131902	3.4	1
70	A Novel Fishbone-Like Lead(II) Supramolecular Polymer: Synthesis, Characterization, and Application for Producing Nano Metal Oxide. <i>Crystals</i> , 2021 , 11, 335	2.3	1
69	Ultrasound-Assisted Synthesis and DFT Calculations of the Novel 1D Pb (II) Coordination Polymer with Thiosemicarbazone Derivative Ligand and Its Use for Preparation of PbO Clusters. <i>Crystals</i> , 2021 , 11, 682	2.3	5
68	Ultrasonic-assisted synthesis, characterizing the structure and DFT calculation of a new Pb(II)-chloride metal-ligand coordination polymer as a precursor for preparation of PbO nanoparticles. <i>Journal of Molecular Structure</i> , 2021 , 1224, 129031	3.4	6
67	Ultrasound-Assisted Synthesis and Crystal Structure of Novel 2D Cd (II) Metal-Organic Coordination Polymer with Nitrite End Stop Ligand as a Precursor for Preparation of CdO Nanoparticles. <i>Crystals</i> , 2021 , 11, 197	2.3	4
66	Sonochemical synthesis, crystal structure, and DFT calculation of an innovative nanosized Pb(II)-azido metal-organic coordination polymer as a precursor for preparation of PbO nanorod. <i>Chemical Papers</i> , 2020 , 74, 3651-3660	1.9	3
65	Structure, DFT studies, magnetism and biological activity of bis[(μ -azido)-chloro-(1,10-phenanthroline)-copper(II)] complex. <i>Inorganica Chimica Acta</i> , 2020 , 506, 119533	2.7	11
64	A novel nano-structured three-dimensional supramolecular metal-organic framework for cadmium (II): A new precursor for producing nano cadmium oxide. <i>Journal of Molecular Structure</i> , 2020 , 1201, 127191	3.4	10
63	Nanoscale coordination compounds. <i>Advances in Inorganic Chemistry</i> , 2020 , 197-237	2.1	
62	Investigating the Impact of Ultrasonic Irradiation Power, Concentrations of Reactant, and Reaction Period on Morphology of Novel Nano Hg(II) Metal-Organic Coordination Polymer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 1090-1098	3.2	1
61	Ultrasonic-assisted synthesis and structural characterization of a novel 3D Pb(II) metal-organic CPs and their nanostructures. <i>Inorganica Chimica Acta</i> , 2020 , 508, 119636	2.7	1
60	Enhancing the electrochemical properties of the p-type conductive polymer on the surface of the new synthesized 2-(pyridin-3-ylmethylene) hydrazine-1-carbothioamide-modified electrode: computational and electrochemical study. <i>Journal of the Iranian Chemical Society</i> , 2019 , 16, 1441-1449	2	5
59	Nanocomposite of Conjugated Polymer/Nano-Flowers Cu(II) Metal-Organic System with 2-Methylpyridinecarboxaldehyde Isonicotinohydrazide as a Novel and Hybrid Electrode Material for Highly Capacitive Pseudocapacitors. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 617-622	5.1	49
58	Ultrasonic-assisted synthesis of nano lead(II) coordination polymer as precursors for preparation of lead(II) oxide nano-structures: Thermal, optical properties and XRD studies. <i>Ultrasonics Sonochemistry</i> , 2018 , 42, 155-161	8.9	6
57	Ultrasonic-assisted synthesis and the structural characterization of novel the zig-zag Cd(II) metal-organic polymer and their nanostructures. <i>Ultrasonics Sonochemistry</i> , 2018 , 42, 134-140	8.9	9
56	Ultrasound-assisted fabrication of a novel nickel(II)-bis-pyrazolyl borate two-nuclear discrete nano-structured coordination compound. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 519-524	8.9	25

55	Synthesis and characterization of nano-peanuts of lead(II) coordination polymer [Pb(qcnh)(NO)] with ultrasonic assistance: A new precursor for the preparation of pure-phase nano-sized PbO. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 255-261	8.9	33
54	Thermolysis synthesis of pure phase NiO from novel sonochemical synthesized Ni(II) nano metal-organic supramolecular architecture. <i>Ultrasonics Sonochemistry</i> , 2017 , 37, 430-435	8.9	21
53	Facile synthesis, characterization and BET study of neodymium-doped spinel Mn ₃ O ₄ nanomaterial with enhanced photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 11654-11664	2.1	6
52	A Nano Nickel (II) Metal-Organic Coordination Compound for Nano Nickel (II) Oxide: Sonochemical Synthesis and Characterization. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 1045-1052	3.2	2
51	Ultrasound-Assisted Synthesis of Novel Nano 3D Supramolecular Lead(II) Metal-Organic Coordination System: A New Precursor to Produce Nano Lead Oxide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 827-834	3.2	3
50	Ultrasound-Assisted Synthesis of a Novel Nano-Zigzag-Pattern Lead (II) Metal-Organic System: A New Precursor to Produce Nano-Sized PbO. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 552-561	3.2	2
49	A new hemidirected lead(II) complex extended in holodirected one-dimensional polymer by secondary Pb⋯ interactions: A precursor for preparation of PbO nanoparticles, and DFT study. <i>Journal of Molecular Structure</i> , 2017 , 1149, 142-148	3.4	4
48	Sonochemical synthesis and structural determination of novel the nano-card house Cu(II) metal-organic coordination system. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 226-232	8.9	16
47	Sonochemical synthesis of nano lead(II) metal-organic coordination polymer; New precursor for the preparation of nano-materials. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 263-269	8.9	29
46	Hemidirected Coordination Sphere on Novel Lead(II) Nano Coordination Polymer: Synthesis, Structural Characterization and DFT Calculation of [Pb(p-2-einh)ClO ₄ (MeOH) ₂] _n . <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016 , 26, 197-207	3.2	10
45	Synthesis, structural characterization, thermal analysis, and DFT calculation of a novel zinc (II)-trifluoro-βdiketonate 3D supramolecular nano organic-inorganic compound with 1,3,5-triazine derivative. <i>Materials Chemistry and Physics</i> , 2016 , 182, 101-109	4.4	16
44	Stereochemically active lone pair on lead(II) nano 3D supramolecular network: Synthesis, structural characterization, thermal stability and DFT calculation of [Pb(p-2-minh) ₂]. <i>Main Group Chemistry</i> , 2016 , 15, 197-208	0.6	3
43	Thermolysis Synthesis of Pure Phase Nano-Sized Cobalt(II) Oxide from Novel Cobalt(II)-Pyrazole Discrete Nano Coordination Compound. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016 , 26, 335-343	3.2	4
42	Sonochemical Synthesis, Characterization and Sonocatalytic Performance of Terbium-Doped CdS Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016 , 26, 623-631	3.2	22
41	Ultrasound-assisted fabrication of a new nano-rods 3D copper(II)-organic coordination supramolecular compound. <i>Ultrasonics Sonochemistry</i> , 2016 , 31, 201-5	8.9	34
40	Synthesis, crystal structure and DFT calculations of a new Hg (II) metal-organic polymer. <i>Main Group Chemistry</i> , 2016 , 15, 257-266	0.6	3
39	Preparation of a Novel Nano-scale Lead (II) Zig-Zag Metal-Organic Coordination Polymer with Ultrasonic Assistance: Synthesis, Crystal Structure, Thermal Properties, and NBO Analysis of [Pb(β-pin _h)N ₃ H ₂ O] _n . <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016 , 26, 819-828	3.2	24
38	Magnetic property, DFT calculation, and biological activity of bis[(β-chloro)chloro(1,10-phenanthroline)copper(II)] complex. <i>Chemico-Biological Interactions</i> , 2015 , 231, 53-60	5	22

37	Sonochemical syntheses of two new flower-like nano-scale high coordinated lead(II) supramolecular coordination polymers. <i>Ultrasonics Sonochemistry</i> , 2015 , 23, 282-8	8.9	39
36	Sonochemical syntheses of binuclear lead(II)-azido supramolecule with ligand 3,4,7,8-tetramethyl-1,10-phenanthroline as precursor for preparation of lead(II) oxide nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2015 , 23, 275-81	8.9	38
35	Sonochemical synthesis of tri-nuclear lead(II)-azido nano rods coordination polymer with 3,4,7,8-tetramethyl-1,10-phenanthroline (tmph): Crystal structure determination and preparation of nano lead(II) oxide. <i>Journal of Molecular Structure</i> , 2015 , 1079, 67-73	3.4	41
34	Effects of Halogen Bonding in Chemical Activity of Lead(II) Electron Pair: Sonochemical Synthesis, Structural Studies, and Thermal Analysis of Novel Lead(II) Nano Coordination Polymer. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 2466-2472	1.3	17
33	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	3.2	15
32	Synthesis and structural characterization of new bismuth (III) nano coordination polymer: A precursor to produce pure phase nano-sized bismuth (III) oxide. <i>Journal of Molecular Structure</i> , 2015 , 1091, 43-48	3.4	28
31	New Flower-Shaped Lead(II) Coordination Polymer at the Nano Scale: Synthesis, Structural Characterization and DFT Calculations of [Pb(o-phen)(N ₃) ₂] _n Containing the Pb-(1,1-N ₃)(1,3-N ₃) Motif. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 751-757	3.2	28
30	Synthesis and Crystal Structure of [Pb(phen)(EN ₃)(ENO ₃)] _n and Its Thermal Decomposition to PbO Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 957-962	3.2	20
29	Sonochemical Synthesis and Characterization of A Nano-Rod Lead(II) Supramolecular, Three Dimensional Coordination Compound: New Precursor to Produce Pure Phase Nano-Sized Lead(II) Oxide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 952-956	3.2	3
28	Synthesis and Characterization of the New Nano Flowers Lead(II) Coordination Polymer with Hemidirected Coordination Sphere. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 1358-1364	3.2	13
27	Solvothermal Synthesis of a Nano-sized Aza-aromatic Base Adduct of a Cadmium(II) 4,4-Difluoro-1-phenyl-1,3-butandionate Coordination Compound. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 1365-1369	3.2	4
26	Sonochemical Synthesis and Characterization of the New Plate-Shaped Lead(II) 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	3.2	11
25	Sonochemical Synthesis and Structural Characterization and DFT Calculations of a Novel Nano Flower Pb(II) Coordination Compound [Pb(phen) ₂ (4-abs) ₂] _n . <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 1397-1403	3.2	22
24	Synthesis and Structural Characterization and Thermal Properties of a Novel Aza-aromatic Base Adduct of Cadmium Thenoyltrifluoroacetate: A precursor for Pure Phase Nano-sized Cadmium(II) Oxide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 357-361	1.3	8
23	Direct Synthesis of PbO Nanoparticles From a Lead(II) Nano Coordination Polymer Precursor: Synthesis, Crystal Structure, and DFT Calculations of [Pb ₂ (dmp) ₂ (EN ₃) ₂ (ECLO ₄) ₂] _n with the First Pb ₂ -(ECLO ₄) ₂ Unit. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 844-850	1.3	26
22	Synthesis, Structural Investigation and DFT Calculations of Cadmium (II) Fluorine-Substituted Diketone: A Precursor to Producing Pure Phase Nano-Sized Cadmium (II) Oxide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 816-821	3.2	21
21	Sonochemical Synthesis and Characterization of the First Flower-Like Cadmium(II) Coordination Compound: New Precursor to Produce Pure Phase Nano-Sized Cadmium(II) Oxide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 549-553	3.2	10
20	Synthesis and Structural Characterization of New Lead(II) Discrete and Infinite Cage-Like Framework: A Precursor to Produce Pure Phase Nano-Sized Lead(II) Oxide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 903-909	3.2	21

19	Sonochemical Synthesis and Characterization of the New Micro-Hexagonal-Rod Lead (II)-Azido Coordination Compound. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 916-922	3,2	36
18	Direct Synthesis of CdO Nanoparticles from a Novel Nano-Rods Cadmium(II) 4,4-Difluoro-1-phenyl-1,3-butanedionate Nano Coordination Compound. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 923-928	3,2	10
17	Bis{4-bromo-2-[(naphthalen-1-yl-imino)-meth-yl]phenolato- \mathbb{N} ,O}copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m278		1
16	cis-Dioxido[NV(2-oxidobenzyl-idene)pyridinium-4-carbohydrazidato- \mathbb{D} ,NVO]vanadium(V). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m236		2
15	Di-Echlorido-bis-[(1,10-phenanthroline- \mathbb{N} ,NV(trichloro-acetato- \mathbb{D})copper(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m242-3		2
14	{4-Bromo-2-[(5-chloro-2-oxidophen-yl)imino-methyl]-phenolato- \mathbb{D} ,N,O}(methanol- \mathbb{D})(methano-lato- \mathbb{D})-oxidovanadium(V)}. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m221-2		2
13	catena-Poly[[[(1,10-phenanthroline- \mathbb{N} ,NV)lead(II)]-di-Ehitrato- \mathbb{D} ,OVO]VO:OVO][(1,10-phenanthroline- \mathbb{N} ,NV)lead(II)]-bis-(E,2,). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m237-8		
12	Dichlorido{1-[N-(5-chloro-2-oxidophen-yl)carboximido-yl]naphthalen-2-olato- \mathbb{D} ,N,O}(methanol- \mathbb{D})tin(IV). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m246-7		
11	catena-Poly[[lead(II)-[2-oxidobenz-aldehyde isonicotinoylhydrazonato]] methanol monosolvate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1583		2
10	Sonochemical Synthesis of a Novel Nanoscale Lead(II) Coordination Polymer: Synthesis, Crystal Structure, Thermal Properties, and DFT Calculations of [Pb(dmp)(EN3)(ENO3)] _n with the Novel Pb2(EN3)2(ENO3)2 Unit. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 713-719	1,3	26
9	2-[N-(3-Amino-4-nitro-phen-yl)carboximido-yl]phenol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, o2964		
8	catena-Poly[[lead(II)-ENV[1-(pyridin-2-yl- \mathbb{N})ethyl-idene]isonicotino-hydrazidato- \mathbb{N} VO:N] perchlorate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1727-8		3
7	catena-Poly[[[bis-(methanol- \mathbb{D})lead(II)]-ENV[1-(pyridin-2-yl- \mathbb{N})ethyl-idene]isonicotino-hydrazidato- \mathbb{N} VO:N] perchlorate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1729-30		2
6	A Novel Metal-Ligand Iodo-bridged Lead(II) Compound: Synthesis, Crystal Structure, Thermal Properties, and DFT Calculations of [Pb(dmp)I2] _n . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 1596-1600	1,3	7
5	A Novel Polymeric Lead(II)-Azido Compound: Synthesis, Structural Characterization, and DFT Calculations of [Pb(dmp)(N3)2] _n . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, NA-NA	1,3	1
4	Synthesis and crystal structure of two novel polymeric PbII compounds: [Pb(phen)(N3)2] _n and [Pb(deta)(N3)I(N3)] _n . <i>Inorganic Chemistry Communication</i> , 2007 , 10, 174-177	3,1	31
3	Synthesis and Crystal Structure of a Novel Polymeric Lead(II) Compound: [Pb2(phen)2(N3)3(CLO4)] _n . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 1329-1332	1,3	16
2	Structural investigation of lead(II) fluorine-substituted \mathbb{D} diketonates. <i>Journal of Coordination Chemistry</i> , 2007 , 60, 891-899	1,6	8

- 1 A Novel 1D Coordination Polymer $[\text{Pb}(\text{phen})(\text{EN3})(\text{ENO3})]_n$ with the First $\text{Pb}^{2+}(\text{EN3})_2$ Unit (phen = 1,10-phenanthroline). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2006**, 632, 2380-2382 1.3 21