Reza Azadbakht

List of Publications by Year
in descending order

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47	868	516710	501196
papers	citations	16 h-index	28 g-index

48	48	48	1088
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new asymmetric Schiff base system as fluorescent chemosensor for Al3+ ion. Inorganic Chemistry Communication, 2013, 33, 63-67.	3.9	76
2	C(sp²)â€“C(sp²) cross coupling reaction catalyzed by a water-stable palladium complex supported onto nanomagnetite particles. New Journal of Chemistry, 2015, 39, 439-444.	2.8	58
3	Synthesis, characterization, and electrochemical study of some novel, azo-containing Schiff bases and their Ni(II) complexes. Dyes and Pigments, 2013, 98, 499-506.	3.7	56
4	Synthesis, characterization and X-ray crystal structures of Vanadium(IV), Cobalt(III), Copper(II) and Zinc(II) complexes derived from an asymmetric bidentate Schiff-base ligand at ambient temperature. Journal of Molecular Structure, 2015, 1081, 494-505.	3.6	50
5	A new fluorescent chemosensor for Al3+ ion based on schiff base naphthalene derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 329-334.	3.9	43
6	Determination of cadmium(II) ion by atomic absorption spectrometry after cloud point extraction. Journal of the Iranian Chemical Society, 2012, 9, 251-256.	2.2	42
7	A highly sensitive and selective offâ€“on fluorescent chemosensor for Al3+ based on naphthalene derivative. Inorganic Chemistry Communication, 2013, 30, 21-25.	3.9	37
8	A novel aluminum-sensitive fluorescent nano-chemosensor based on naphthalene macrocyclic derivative. Tetrahedron, 2013, 69, 3206-3211.	1.9	36
9	Schiff Base-Functionalized Multi Walled Carbon Nano Tubes to Immobilization of Palladium Nanoparticles as Heterogeneous and Recyclable Nanocatalyst for Suzuki Reaction in Aqueous Media Under Mild Conditions. Catalysis Letters, 2017, 147, 976-986.	2.6	34
10	Highly selective fluorescent recognition of Zn2+ based on naphthalene macrocyclic derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 200-204.	3.9	31
11	A new Schiff base system bearing two naphthalene groups as fluorescent chemodosimeter for Zn2+ ion and its logic gate behavior. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 85, 293-297.	3.9	31
12	Synthesis, characterization, crystal structure and DNA, HSA-binding studies of four Schiff base complexes derived from salicylaldehyde and isopropylamine. Inorganica Chimica Acta, 2017, 466, 48-60.	2.4	27
13	Niâ€“citric acid coordination polymer as a practical catalyst for multicomponent reactions. Scientific Reports, 2021, 11, 24475.	3.3	27
14	Synthesis and characterization of two new fluorescent macrocycles: A novel fluorescent chemosensor for zinc ion. Journal of Luminescence, 2012, 132, 1860-1866.	3.1	26
15	Studies of DNA- and HSA-binding properties of new nano-scale green synthesized Ni (II) complex as anticancer agent using spectroscopic methods, viscosity measurement, molecular docking, MD simulation and QM/MM. Journal of Molecular Liquids, 2017, 248, 24-35.	4.9	24
16	A new fluorescent chemosensor for Pb 2+ ions based on naphthalene derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 575-579.	3.9	19
17	Salicylimine-based fluorescent chemosensor for magnesium ions in aqueous solution. Inorganica Chimica Acta, 2021, 514, 120021.	2.4	17
18	A novel fluorescent nano-chemosensor for Al(III) ions using a new macrocyclic receptor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 124, 249-255.	3.9	16

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19	An Efficient and Green Procedure for Synthesis of Pyrrole Derivatives by Paalâ€“Knorr Condensation Using Sodium Dodecyl Sulfate in Aqueous Micellar. Journal of Heterocyclic Chemistry, 2013, 50, E241.	2.6	15
20	A new fluorescence chemosensor for Zn²⁺with a remarkable red shift in emission spectra. Analytical Methods, 2017, 9, 4688-4694.	2.7	15
21	Multi experimental and computational studies for DNA and HSA interaction of new nano-scale ultrasound-assisted synthesized Pd(II) complex as a potent anticancer drug. Journal of Molecular Liquids, 2018, 264, 386-397.	4.9	14
22	Synthesis, crystal structure and spectroscopic properties of some cadmium(II) complexes with three polyamine and corresponding macroacyclic Schiff base ligands. Journal of Organometallic Chemistry, 2008, 693, 2237-2243.	1.8	13
23	Synthesis and characterization of a new organic nanoparticle as fluorescent chemosensor for aluminum ions. Inorganica Chimica Acta, 2016, 453, 728-734.	2.4	13
24	Fluorescent organic nanoparticles with enhanced fluorescence by self-aggregation and their application for detection of Fe³⁺ ions. New Journal of Chemistry, 2018, 42, 5929-5936.	2.8	13
25	Synthesis and characterization of three Cd(II) Schiff-base macrocyclic N3O2 complexes. Polyhedron, 2008, 27, 648-654.	2.2	12
26	A new fluorescent macrocyclic nano-chemosensor for Fe3+ and Iâ¯ in aqueous solution. New Journal of Chemistry, 2018, 42, 17690-17699.	2.8	11
27	A novel fluorescent nano-chemosensor for cesium ions based on naphthalene macrocyclic derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 279-285.	3.9	10
28	Novel Schiff base Mn(iii) and Co(ii) complexes supported on Co nanoparticles: efficient and recyclable magnetic nanocatalysts for alcohol oxidation. RSC Advances, 2016, 6, 77020-77029.	3.6	10
29	Characterisation of novel macroacyclic hexadentate (N₄O₂ and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 complexes, with ligands derived from reduction. Journal of Chemical Research, 2009, 2009, 361-365.	1.3	9
30	A new macrocyclic ligand as a turn-on fluorescent chemosensor for the recognition of Pb²⁺ions. New Journal of Chemistry, 2017, 41, 12198-12204.	2.8	9
31	Synthesis of two new tripodal ligands and their cyclocondensation with 2-[2-(2-formylphenoxy)ethoxy]benzaldehyde in the presence of manganese(II) and cadmium(II) metal ions. Polyhedron, 2008, 27, 1631-1638.	2.2	8
32	Synthesis and characterization of nickel(II) complexes with three potentially hexadentate Schiff-base ligands and polyamines: X-ray crystal structure determination of one nickel(II) complex. Transition Metal Chemistry, 2009, 34, 835-839.	1.4	8
33	Preparation of a new fluorescence nanochemosensor for Sn(II) ions by a modified nanoprecipitation method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 250, 119236.	3.9	8
34	Nontemplate Synthesis of Two Novel 23-Membered N ₃ O ₄ -Donor Macrocycles. Synthetic Communications, 2011, 41, 528-532.	2.1	7
35	Synthesis, characterization and X-ray structural determination of a stable dication derived from symmetrical ortho-aminophenyl diamine and 2-pyridinecarboxaldehyde. Tetrahedron Letters, 2009, 50, 169-171.	1.4	6
36	Preconcentration and determination of Pb(ii), Cu(ii) and Cd(ii) ions on octadecyl silica membrane disk modified with 2-mercapto-benzoimidazole by flame atomic absorption spectrometry. Analytical Methods, 2012, 4, 2318.	2.7	6

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37	Deposited Silver Nanoparticles on Commercial Copper by Galvanic Displacement as an Effective Catalyst for the Reduction of 4â€'Nitrophenol in Aqueous Solution. Catalysis Letters, 2020, 150, 3214-3222.	2.6	6
38	Synthesis and characterization of a new piperazine containing macroacyclic ligand and its Cu(ii) and Co(ii) complexes: An investigation of the ligand's silver specific fluorescent properties. Journal of Molecular Structure, 2021, 1232, 130024.	3.6	6
39	A new tetramine bis(2-naphthol)-derivative fluorescent chemosensor for aluminum ion (Al3+). Journal of Molecular Structure, 2022, 1250, 131775.	3.6	5
40	Four Novel 30-Membered Imine and Amine Macrocycles Derived fromOrtho-Aminophenyl Diamines. Synthetic Communications, 2010, 40, 1486-1491.	2.1	4
41	Bis[2-(2-aminoethylamino)ethanol]copper(II) dinitrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1203-m1203.	0.2	3
42	Bis(triethylammonium) tetrachloridocobaltate(II). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m859-m859.	0.2	3
43	Synthesis, characterization, reactivity and catalytic activity of a novel chiral manganese Schiff base complex. New Journal of Chemistry, 2015, 39, 6459-6464.	2.8	3
44	1-[((E)-{2-[(2-Nitrobenzyl)(2-{[(E)-(2-oxidonaphthalen-1-yl)methylidene]azaniumyl}ethyl)amino]ethyl}azaniumylidene)methyl]naphthale monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3321-o3321.	0.2	1
45	2-[1-(3-{2-[(2-Hydroxybenzylidene)amino]phenoxy}propyl)-1H-1,3-benzodiazol-2-yl]phenol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o657-o658.	0.2	0
46	[(Z)-1-({3-[(3-Aminopropyl)(2-nitrobenzyl)amino]propyl}iminomethyl)naphthalen-2-olato]copper(II) perchlorate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1748-m1748.	0.2	0
47	Synthesis and Characterization of Bis-quinazolines from Linear Tetra-amines Involving 2-(Aminomethyl)benzenamine with Aldehydes. Journal of Heterocyclic Chemistry, 2013, 50, 979-981.	2.6	0