

Hamid Khanmohammadi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/287195/hamid-khanmohammadi-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

50 papers	885 citations	18 h-index	27 g-index
50 ext. papers	948 ext. citations	3.7 avg, IF	4.54 L-index

#	Paper	IF	Citations
50	Novel MCM-41 based chromogenic probe: highly selective and sensitive upon cyanide ion over other interfering anions in water. <i>Journal of Porous Materials</i> , 2022 , 29, 807-815	2.4	1
49	Detection of CN^- , Cu^{2+} and Zn^{2+} ions using a new chromone-based colorimetric chemosensor: half-adder and integrated circuits. <i>Analytical Methods</i> , 2020 , 12, 1759-1766	3.2	8
48	A new azo-azomethine sensor for detection of CN^- and AcO^- anions: Highly selective chemosensor for naked eye detection of sodium diclofenac. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 222, 117157	4.4	10
47	Studies on a multifunctional chromo-fluorogenic sensor for dual channel recognition of Zn^{2+} and CN^- ions in aqueous media: mimicking multiple molecular logic gates and memory devices. <i>New Journal of Chemistry</i> , 2018 , 42, 2158-2166	3.6	26
46	Rapid detection of HSO_4^- in water: Novel immobilized azo-azomethine colorimetric anion receptors on solid supports. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 199, 21-31	4.4	3
45	Chitosan hydrogels cross-linked with tris(2-(2-formylphenoxy)ethyl)amine: Swelling and drug delivery. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1863-1870	7.9	24
44	Sequential Detection of CN^- and HSO_4^- Anions in an Aqueous Environment Utilizing a New Colorimetric Azoimine Receptor: Mimicking Logic Gate Behaviour and a Security Keypad Lock. <i>Australian Journal of Chemistry</i> , 2018 , 71, 389	1.2	
43	Selective detection of Cu and Co in aqueous media: Asymmetric chemosensors, crystal structure and spectroscopic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 179, 32-41	4.4	9
42	Rational Design of Azo-Azomethine Receptors for Sensing of Inorganic Fluoride: Construction of Molecular Logic Gates and DFT Study. <i>Australian Journal of Chemistry</i> , 2017 , 70, 1254	1.2	
41	Double-decker luminescent ytterbium and erbium SMMs with symmetric and asymmetric Schiff base ligands. <i>New Journal of Chemistry</i> , 2017 , 41, 10101-10111	3.6	20
40	Diaminomaleonitrile-based azo receptors: Synthesis, DFT studies and their antibacterial activities. <i>Journal of Molecular Structure</i> , 2017 , 1129, 169-178	3.4	10
39	Molecular logic circuits and a security keypad lock based on a novel colorimetric azo receptor with dual detection ability for copper(II) and fluoride ions. <i>Supramolecular Chemistry</i> , 2016 , 28, 256-266	1.8	14
38	Rational design of a novel azoimine appended maleonitrile-based Salen chemosensor for rapid naked-eye detection of copper(II) ion in aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 151, 848-53	4.4	14
37	Two and three input molecular logic operations mediated by a novel azo-azomethine based chromogenic probe through intramolecular charge transfer processes. <i>New Journal of Chemistry</i> , 2015 , 39, 2081-2089	3.6	14
36	Solar-light induced photodecolorization of water soluble azo-azomethine dye: influence of operational parameters and nanophotocatalysts. <i>Desalination and Water Treatment</i> , 2015 , 55, 655-663		1
35	Colorimetric detection of anions in aqueous media using N-monosubstituted diaminomaleonitrile-based azo-azomethine receptors: real-life applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 139, 405-12	4.4	12
34	New 1,2,4-triazole-based azo-azomethine dye. Part III: Synthesis, characterization, thermal property, spectrophotometric and computational studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 125, 345-52	4.4	11

33	Solvatochromism, spectral properties and antimicrobial activities of new azo-azomethine dyes with N2S2O2 donor set of atoms. <i>Journal of Molecular Structure</i> , 2014 , 1072, 232-237	3.4	15
32	Naked-eye detection of inorganic fluoride in aqueous media using a new azo-azomethine colorimetric receptor enhanced by electron withdrawing groups. <i>RSC Advances</i> , 2014 , 4, 1032-1038	3.7	57
31	A catalyst-free approach to a novel imidazo [4,5-f][1,10] phenanthroline ligand and its corresponding ruthenium(II) complex: insights into their applications in colorimetric anion sensing. <i>New Journal of Chemistry</i> , 2014 , 38, 5536-5543	3.6	13
30	Naked-eye detection of biologically important anions by a new chromogenic azo-azomethine sensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 133, 31-7	4.4	21
29	Mononuclear copper(II) complexes of bis-triazole-based macrocyclic Schiff base hydrazones: direct synthesis, EPR studies, magnetic and thermal properties. <i>Journal of the Iranian Chemical Society</i> , 2014 , 11, 323-333	2	
28	New acyclic 1,2,4-triazole-based Schiff base hydrazone: synthesis, characterization, spectrophotometric and computational studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 105, 338-43	4.4	19
27	Solvatochromic and electrochemical properties of new thermally stable azo-azomethine dyes with N2S2O2 donor set of atoms. <i>Journal of Molecular Liquids</i> , 2013 , 177, 198-203	6	9
26	Azo-azomethine dyes with N, O, S donor set of atoms and their Ni(II) complexes: Synthesis, characterization and spectral properties. <i>Dyes and Pigments</i> , 2013 , 98, 557-564	4.6	28
25	New diaminomaleonitrile-based azo-azomethine dyes; synthesis, characterization and spectral properties. <i>Dyes and Pigments</i> , 2012 , 94, 163-168	4.6	29
24	Construction of a chemically modified electrode for the selective determination of nitrite and nitrate ions based on a new nanocomposite. <i>Electrochimica Acta</i> , 2012 , 66, 255-264	6.7	87
23	New 1,2,4-triazole-based azo-azomethine dyes. Part I: synthesis, characterization and spectroscopic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 86, 39-43	4.4	20
22	Thermally stable water insoluble azo-azomethine dyes: synthesis, characterization and solvatochromic properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 97, 652-8	4.4	18
21	New 1,2,4-triazole-based azo-azomethine dyes. Part II: synthesis, characterization, electrochemical properties and computational studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 97, 876-84	4.4	14
20	Copper(II) Complexes of Pyridazine-Based Azo-azomethine Ligands: Synthesis, Characterization Thermal and Absorption Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 541-546	3.2	3
19	Pyridazine-based Schiff base ligands with N4OxS2 (x=2, 4) donor set atoms: synthesis, characterization, spectral studies and ¹³ C chemical shifts computed by the GIAO-DFT and CSGT-DFT methodologies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 127-33	4.4	3
18	New asymmetric heptaaza Schiff base macrocyclic complex of Mn(II): Crystal structure, biological and DFT studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 77, 342-7	4.4	9
17	Synthesis and biological activity of Magnesium(II) complexes of heptaaza Schiff base macrocyclic ligands; ¹ H and ¹³ C chemical shifts computed by the GIAO-DFT and CSGT-DFT methodologies. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009 , 63, 97-108		11
16	New azo ligands containing azomethine groups in the pyridazine-based chain: Synthesis and characterization. <i>Dyes and Pigments</i> , 2009 , 81, 167-173	4.6	68

15	Spectrophotometric determination of acidity and tautomeric constants and hydrogen bonding strength for a new Schiff base using hard modeling and multivariate curve resolution alternative least squares methods. <i>Analytica Chimica Acta</i> , 2009 , 634, 180-5	6.6	19
14	Investigation of oxidation and tautomerization of a recently synthesized Schiff base in micellar media using multivariate curve resolution alternative least squares and rank annihilation factor analysis methods. <i>Analytica Chimica Acta</i> , 2009 , 647, 189-94	6.6	7
13	Synthesis, characterization, biological and thermal studies of Cu(II) complexes of salen and tetrahydrosalen ligands. <i>Journal of the Iranian Chemical Society</i> , 2009 , 6, 300-309	2	11
12	Simultaneous determination of Co ²⁺ , Ni ²⁺ , Cu ²⁺ and Zn ²⁺ ions in foodstuffs and vegetables with a new Schiff base using artificial neural networks. <i>Talanta</i> , 2009 , 77, 995-1001	6.2	45
11	Spectrophotometric Determination of Complex Formation Constants Between a New Schiff Base and Some Transition Metals by Rank Annihilation Factor Analysis. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 866-870	2.8	16
10	Interaction of new polyamine ligand N, N, N', N'-tetrakis(2-salicylideneaminoethyl)butane-1,4-diamine with iodine in chloroform and dichloromethane solutions. <i>Physics and Chemistry of Liquids</i> , 2008 , 46, 372-378	1.5	5
9	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. <i>Polyhedron</i> , 2008 , 27, 1631-1638	2.7	8
8	Synthesis, biological and computational study of new Schiff base hydrazones bearing 3-(4-pyridine)-5-mercapto-1,2,4-triazole moiety. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 71, 1474-80	4.4	36
7	Synthesis, crystal structure and spectroscopic properties of some cadmium(II) complexes with three polyamine and corresponding macrocyclic Schiff base ligands. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 2237-2243	2.3	12
6	Synthesis and characterization of Mg(II), Mn(II), Zn(II) and Cd(II) complexes with a new heptaaza Schiff base pendant-armed macrocycle: X-ray crystal structure, NMR and computational study. <i>Inorganica Chimica Acta</i> , 2007 , 360, 579-587	2.7	32
5	Synthesis, crystal structure, spectral and biological studies of Cu(II)/M(II) (M = Zn and Pb) heterodinuclear complexes of new phenol-based macrocyclic ligands. <i>Polyhedron</i> , 2007 , 26, 4963-4970	2.7	9
4	Synthesis, crystal structures and ab initio studies of some heptaaza manganese(II) macrocyclic Schiff-base complexes with two 2-aminoethyl pendant arms. <i>Inorganica Chimica Acta</i> , 2005 , 358, 247-256	2.7	19
3	Synthesis, Characterization, and an ab initio Study of a Manganese(II) Macrocyclic Schiff-Base Complex with Two 2-Aminoethyl Pendant Arms. <i>Transition Metal Chemistry</i> , 2004 , 29, 523-527	2.1	2
2	Synthesis, crystal structure, NMR and ab initio molecular-orbital studies of some magnesium(II) macrocyclic Schiff-base complexes, with two 2-aminoethyl pendant arms. <i>Inorganica Chimica Acta</i> , 2004 , 357, 1283-1291	2.7	38
1	Synthesis and crystal structure determination of some novel zinc(II) macrocyclic heptaaza Schiff-base complexes with two 2-aminoethyl pendant arms. <i>Inorganica Chimica Acta</i> , 2003 , 355, 286-291	2.7	25