

# Bahram Ghanbari

## List of Publications by Year in descending order

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41  
papers

320  
citations

1039880

9  
h-index

996849

15  
g-index

42  
all docs

42  
docs citations

42  
times ranked

390  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ni(II) 1D-coordination polymer/C60-modified glassy carbon electrode as a highly sensitive non-enzymatic glucose electrochemical sensor. <i>Applied Surface Science</i> , 2019, 478, 361-372.	3.1	46
2	Investigation of wax precipitation in crude oil: Experimental and modeling. <i>Petroleum</i> , 2015, 1, 223-230.	1.3	26
3	Monodentate palladium(0)-[60]fullerene complexes of diphosphine ligands as efficient and sustainable nanocatalysts for the Mizoroki-Heck coupling reaction of aryl chlorides. <i>New Journal of Chemistry</i> , 2017, 41, 9701-9709.	1.4	18
4	The effect of amino [60] fullerene derivatives on pour point and rheological properties of waxy crude oil. <i>Journal of Molecular Liquids</i> , 2015, 211, 308-314.	2.3	15
5	Unique examples of copper(II)/sodium(I) and nickel(II)/sodium(I) Schiff base complexes with bridging bis-bidentate Salen type ligand: Synthesis, crystal structures and antibacterial studies. <i>Inorganica Chimica Acta</i> , 2016, 445, 124-128.	1.2	15
6	Synthesis of Pd(II) large dinuclear macrocyclic complex tethered through two dipyrindine-bridged aza-crowns as an efficient copper- and phosphine-free Sonogashira catalytic reaction. <i>Journal of Organometallic Chemistry</i> , 2018, 866, 72-78.	0.8	15
7	X-ray crystallographic, spectroscopic, electrochemical and computational studies on axially ligation of ZnTPP with pyridine derivative anchored to aza-crown macrocyclic ligand. <i>Polyhedron</i> , 2017, 133, 419-432.	1.0	13
8	Synthesis of Tetrahydrothiopyrano[2,3- <i>b</i> ]indole [60]Fullerene Derivatives via Hetero-Diels-Alder Reaction of C <sub>60</sub> and 1,2-unsaturated Indole-thiones. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 911-915.	1.4	12
9	High-Impact Promotional Effect of Mo Impregnation on Aluminum-Rich and Alkali-Treated Hierarchical Zeolite Catalysts on Methanol Aromatization. <i>ACS Omega</i> , 2020, 5, 11971-11986.	1.6	12
10	Synthesis, X-ray crystallography, thermogravimetric analysis and spectroscopic characterization of isostructural one-dimensional coordination polymers as sorbents for some anions. <i>CrystEngComm</i> , 2018, 20, 1783-1796.	1.3	11
11	New Macrocyclic Ligands. VIII Di- and Tri-linked Macrocyclic Systems Incorporating N <sub>2</sub> O <sub>2</sub> -Donor Atoms. <i>Australian Journal of Chemistry</i> , 1999, 52, 351.	0.5	10
12	Structural relevance of N <sub>2</sub> O <sub>2</sub> -donor naphthodiaza-crown macrocyclic ligands to selective fluorescence signaling behavior towards aliphatic tertiary amines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 314, 42-51.	2.0	8
13	Selective and sensitive fluorescent chemosensor based on N <sub>2</sub> O <sub>2</sub> -donor naphthodiaza-crown macrocyclic ligands for detection of Cu(II), and Zn(II). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 356, 689-699.	2.0	8
14	Highly Efficient Production of Benzene-Free Aromatics from Methanol over Low-Si/Al-Ratio Alkali-Modified Fe/Zn/HZSM-5. <i>ACS Omega</i> , 2018, 3, 18821-18835.	1.6	8
15	Thermodynamic Study on the Effect of O <sub>2</sub> N <sub>2</sub> -azacrown Macrocyclic Ring-size in Complexation with [60]Fullerene. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 394-402.	1.0	7
16	Through-space electronic communication of zinc phthalocyanine with substituted [60]Fullerene bearing O <sub>2</sub> N <sub>x</sub> aza-crown macrocyclic ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 330-339.	2.0	7
17	The Kinetics of Lipophilic Amine Addition to Fullerene C <sub>60</sub> . <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2006, 14, 315-319.	1.0	6
18	Synthesis and photoisomerization study of new aza-crown macrocyclic tweezer tethered through an azobenzene linker: The first report on supramolecular interaction of azobenzene moiety with C <sub>60</sub> . <i>Journal of Molecular Structure</i> , 2017, 1144, 360-369.	1.8	6

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19	Promotional effect of macrocyclization in O <sub>2</sub> N <sub>x</sub> naphtha-aza-crown macrocyclic ligands on fluorescence chemosensing of Al(III). <i>Journal of Luminescence</i> , 2019, 205, 219-227.	1.5	6
20	Comparison of oxygen permeation through some perovskite membranes synthesized with EDTNAD. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010, 100, 459.	0.8	5
21	Solvent-free oxidation of cumene by molecular oxygen catalyzed by cobalt salen-type complexes. <i>Research on Chemical Intermediates</i> , 2012, 38, 871-883.	1.3	5
22	Synthesis, characterization, and application of a new tripodal ligand for the preparation of LSCF(6482) perovskite. <i>Chemical Papers</i> , 2014, 68, .	1.0	5
23	Synthesis and thermogravimetric analysis of inclusion complexes of O <sub>2</sub> N <sub>2</sub> -donor Aza-crown macrocyclic ligands with [60]fullerene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 1631-1637.	2.0	5
24	Hydrogen separation through LSF-perovskite membrane prepared by chelating method. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 22, 483-488.	2.1	5
25	Supramolecular dyad derived from a buckybowl series of O <sub>2</sub> N <sub>2</sub> -donor naphthodiaza-crowns coordinated to C <sub>60</sub> : photophysical, NMR and theoretical studies. <i>Supramolecular Chemistry</i> , 2017, 29, 248-258.	1.5	5
26	The Effect of Fullerene C <sub>60</sub> and its Amine Derivative on the ZDDP Antioxidative Functionality. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2007, 15, 439-443.	1.0	4
27	Comparative Study on the Effect of Nitrogen-donor Groups <i>versus</i> Macro-ring Size in O <sub>2</sub> N <sub>x</sub> -Azacrowns on the Complexation with [60]Fullerene. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014, 22, 322-331.	1.0	4
28	The advantage of spectrophotometric measurement for size-selective complexing of Cu(II) with O <sub>2</sub> N <sub>2</sub> -azacrown ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 286-289.	2.0	4
29	Synthesis and characterization of M(II) (M = Cd, Hg and Pb) complexes with naphthodiaza-crown macrocyclic ligand and study of metal ion recognition by fluorescence, <sup>1</sup> H NMR spectroscopy, and DFT calculation. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2793-2803.	0.8	4
30	Spectroscopic evidence on improvement in complex formation of O <sub>2</sub> N <sub>2</sub> aza-crown macrocyclic ligands with Cu(II) acetate upon incorporation with [60]Fullerene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 169, 202-207.	2.0	4
31	A mechanistic study on unexpected and solvent-based pH-tuneable role of benzylic pendant side-arm on N <sub>2</sub> O <sub>2</sub> -donor naphthodiaza-crown macrocyclic ligand as a sensitive fluorogenic chemosensor for Al <sup>3+</sup> in aqueous solution: X-ray, NMR, photophysical, and computational studies. <i>Journal of Luminescence</i> , 2017, 188, 258-266.	1.5	4
32	Robust fluorogenic non-porphyrin interaction of Zn(II) and Hg(II) naphthodiaza-crown macrocyclic complexes with C <sub>60</sub> : Spectroscopic and dispersion-corrected DFT study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113414.	2.0	4
33	Synthesis, crystal structures and Hirshfeld surface analyses of two new Salen type nickel/sodium heteronuclear complexes. <i>Journal of Molecular Structure</i> , 2016, 1110, 119-127.	1.8	3
34	A Unique Sensitive and Highly Selective Fluorescent Naphthodiaza-Crown Macrocyclic Ligand Chemosensor for Hg <sup>2+</sup> in Water. <i>Journal of Fluorescence</i> , 2017, 27, 1385-1398.	1.3	3
35	Structural Relevance of Mixed-Donor Macrocyclic Co(II) Complexes to Chromotropism. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1997, 27, 1553-1563.	1.8	2
36	CoSALEN as a new catalyst for oxidation of fullerene C <sub>60</sub> . <i>Journal of Coordination Chemistry</i> , 2009, 62, 3384-3390.	0.8	2

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37	Chromotropism in 14-Membered Mixed-Donor Macrocyclic Co(II) Complexes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1998, 28, 477-485.	1.8	1
38	Photoluminescence emission enhancement and coordination-driven isomer-locking effects of Cr(III) on azobenzene-bearing tweezer anchored to binaphthdiazacrown macrocycles. Journal of Luminescence, 2018, 201, 329-337.	1.5	1
39	Computational elucidation of the aging time effect on zeolite synthesis selectivity in the presence of water and diquatery ammonium iodide. Physical Chemistry Chemical Physics, 2021, 23, 21240-21248.	1.3	1
40	Synthesis and Characterization of a New Group of Exo-Coordinating O <sub>2</sub> N <sub>2</sub> -Donor Macrocycles. Australian Journal of Chemistry, 2016, 69, 273.	0.5	0
41	Corrigendum to: Synthesis and Characterization of a New Group of Exo-Coordinating O <sub>2</sub> N <sub>2</sub> -Donor Macrocycles. Australian Journal of Chemistry, 2018, 71, 200.	0.5	0