

# Abolfazl Bezaatpour

## List of Publications by Year in descending order

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57  
papers

1,269  
citations

331670

21  
h-index

395702

33  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1366  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Methodologies for the Detection of Pathogens. <i>ACS Sensors</i> , 2018, 3, 1069-1086.	7.8	178
2	A Schiff base compound as effective corrosion inhibitor for magnesium in acidic media. <i>Materials Chemistry and Physics</i> , 2013, 138, 794-802.	4.0	79
3	Differential pulse voltammetric determination of N-acetylcysteine by the electrocatalytic oxidation at the surface of carbon nanotube-paste electrode modified with cobalt salophen complexes. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 599-606.	7.8	62
4	Synthesis, characterization and catalytic activity of novel monomeric and polymeric vanadyl Schiff base complexes. <i>Journal of Molecular Catalysis A</i> , 2006, 245, 12-16.	4.8	52
5	Oxidovanadium complexes with tetradentate Schiff bases: Synthesis, structural, electrochemical and catalytic studies. <i>Polyhedron</i> , 2011, 30, 2611-2618.	2.2	50
6	Electrocatalytic determination of sumatriptan on the surface of carbon-paste electrode modified with a composite of cobalt/Schiff-base complex and carbon nanotube. <i>Bioelectrochemistry</i> , 2011, 81, 81-85.	4.6	47
7	Carbon nanoparticle-chitosan composite electrode with anion, cation, and neutral binding sites: Dihydroxybenzene selectivity. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 194-200.	7.8	45
8	Green oxidation of sulfides in solvent-free condition by reusable novel Mo(VI) complex anchored on magnetite as a high-efficiency nanocatalyst with eco-friendly aqueous H <sub>2</sub> O <sub>2</sub> . <i>Molecular Catalysis</i> , 2017, 436, 199-209.	2.0	39
9	Development of the catalytic reactivity of an oxo-peroxo Mo(VI) Schiff base complex supported on supermagnetic nanoparticles as a reusable green nanocatalyst for selective epoxidation of olefins. <i>RSC Advances</i> , 2016, 6, 27452-27459.	3.6	38
10	In Situ Synthesis of Co <sub>3</sub> O <sub>4</sub> /CoFe <sub>2</sub> O <sub>4</sub> Derived from a Metal-Organic Framework on Nickel Foam: High-Performance Electrocatalyst for Water Oxidation. <i>ACS Applied Energy Materials</i> , 2021, 4, 2951-2959.	5.1	34
11	Synthesis, characterization, and immobilization of nickel(II) tetradentate Schiff-base complexes on clay as heterogeneous catalysts for the oxidation of cyclooctene. <i>Journal of Coordination Chemistry</i> , 2011, 64, 1837-1847.	2.2	31
12	Synthesis, crystal structures and antibacterial studies of oxidovanadium(IV) complexes of salen-type Schiff base ligands derived from meso-1,2-diphenyl-1,2-ethylenediamine. <i>Transition Metal Chemistry</i> , 2014, 39, 253-259.	1.4	27
13	Hydrophilic carbon nanoparticulates at the surface of carbon paste electrode improve determination of paracetamol, phenylephrine and dextromethorphan. <i>Journal of Electroanalytical Chemistry</i> , 2014, 735, 10-18.	3.8	27
14	N-heterocyclic carbene-palladium(II) complex supported on magnetic mesoporous silica for Heck cross-coupling reaction. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4904.	3.5	27
15	5-CM-Salophen Schiff Base as an Effective Inhibitor for Corrosion of Mild Steel in 0.5M HCl. <i>Chemical Engineering Communications</i> , 2016, 203, 1279-1287.	2.6	26
16	Solution Processable Cu(II) macrocycle for the Formation of Cu <sub>2</sub> O Thin Film on Indium Tin Oxide and Its Application for Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16510-16518.	3.1	25
17	Cu <sub>2</sub> O/rGO as an efficient photocatalyst for transferring of nitro group to amine group under visible light irradiation. <i>Materials Science in Semiconductor Processing</i> , 2021, 130, 105838.	4.0	25
18	Corrosion inhibition effect of N, N'-bis (2-pyridylmethylidene)-1,2-diiminoethane on AZ91D magnesium alloy in acidic media. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 3441-3451.	4.2	23

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19	Cu(II) Schiff base complexes on montmorillonite as nano-reactor heterogeneous catalysts for the epoxidation of cyclooctene: synthesis, characterization and immobilization. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012, 107, 367-381.	1.7	22
20	Simultaneous voltammetric determination of uric acid and ascorbic acid using carbon paste/cobalt Schiff base composite electrode. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2187-2195.	2.5	22
21	Thermophysical properties of ionic liquid, 1-hexyl-3-methylimidazolium bromide+N,N-bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE) Schiff base+N,N-dimethylformamide solutions. <i>Thermochimica Acta</i> , 2012, 527, 67-74.	2.7	22
22	Synthesis, characterization, spectroscopic and thermodynamic studies of charge transfer interaction of a new water-soluble cobalt(II) Schiff base complex with imidazole derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 624-628.	3.9	21
23	Cobalt Flower-like Nanostructure as Modifier for Electrocatalytic Determination of Chloropheniramine. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 14384-14389.	3.7	20
24	Excellent photocatalytic reduction of nitroarenes to aminoarenes by BiVO <sub>4</sub> nanoparticles grafted on reduced graphene oxide (rGO/BiVO <sub>4</sub> ). <i>Applied Organometallic Chemistry</i> , 2019, 33, e5059.	3.5	19
25	Immobilization of an oxovanadium(IV) tetradentate Schiff base complex on clay as a recyclable heterogeneous catalyst for the epoxidation of olefins. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 112, 453-465.	1.7	17
26	Covalent supporting of novel dioxomolybdenum tetradentate pyrrole-imine complex on Fe <sub>3</sub> O <sub>4</sub> as high efficiency nanocatalyst for selective epoxidation of olefins. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3804.	3.5	17
27	Magnetic Mesoporous SBA-15 Functionalized with a NHC Pd(II) Complex: An Efficient and Recoverable Nanocatalyst for Hiyama Reaction. <i>ChemistrySelect</i> , 2019, 4, 1820-1829.	1.5	17
28	Modification of MnFe <sub>2</sub> O <sub>4</sub> surface by Mo(VI) pyridylimine complex as an efficient nanocatalyst for (ep)oxidation of alkenes and sulfides. <i>Journal of Molecular Liquids</i> , 2021, 330, 115690.	4.9	16
29	Synthesis, characterization, electrochemical and solvatochromic investigations of novel monomeric and polymeric vanadyl Schiff-base complexes. <i>Journal of Coordination Chemistry</i> , 2007, 60, 973-983.	2.2	15
30	Partial Molar Volumes of N,N'-1,2-Ethyl-bis(salicyladimine) Schiff Base (Salen) in Organic Solvents at T = (283.15 to 318.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 5927-5931.	1.9	15
31	Magnetically Reusable MnFe <sub>2</sub> O <sub>4</sub> Nanoparticles Modified with OxoPeroxo Mo(VI) Schiff-Base Complexes: A High Efficiency Catalyst for Olefin Epoxidation under Solvent-Free Conditions. <i>ChemistrySelect</i> , 2018, 3, 2877-2881.	1.5	15
32	Mixed metal oxides as efficient electrocatalysts for water oxidation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5250-5259.	7.1	14
33	Synthesis, characterization, electrochemical studies and catecholase-like activity of a series of mononuclear Cu(II), homodinuclear Cu(II)Cu(II) and heterodinuclear Cu(II)Ni(II) complexes of a phenol-based compartmental ligand. <i>Journal of Molecular Catalysis A</i> , 2005, 241, 1-7.	4.8	13
34	Excellent alkene epoxidation catalytic activity of macrocyclic-based complex of dioxomolybdenum(VI) on supermagnetic separable nanocatalyst. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3986.	3.5	13
35	Synthesis, characterization and studies of mechanochemical, electrochemical, and thermal behavior of electronegative oxovanadium(IV) Schiff-base complexes. <i>Journal of Coordination Chemistry</i> , 2009, 62, 1127-1133.	2.2	12
36	Effect of an ionic liquid on the volumetric behavior of tetradentate N <sub>2</sub> O <sub>2</sub> type Schiff bases in DMF at T=(308.15 to 328.15)K. <i>Journal of Chemical Thermodynamics</i> , 2012, 51, 114-119.	2.0	12

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37	Green, inexpensive, and fast conversion of sulfides to sulfoxides by multiusable Mo(VI) macrocyclic Schiff base complex supported on Fe <sub>3</sub> O <sub>4</sub> nanoparticles in solvent-free conditions. <i>Comptes Rendus Chimie</i> , 2017, 20, 910-920.	0.5	12
38	Copper-based metal-organic framework decorated by CuO hair-like nanostructures: Electrocatalyst for oxygen evolution reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5871.	3.5	11
39	Effect of N,N'-Bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE) Schiff Base on the Thermophysical Properties of Ionic Liquids in N,N-Dimethylformamide Solutions at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4164-4172.	1.9	10
40	Thermodynamic Properties of Salophen Schiff Base + Ionic Liquid ([C <sub>n</sub> mIm][Br]) + Dimethylformamide Ternary Mixtures at 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 345-351.	1.9	10
41	Robust and fast oxidation of sulfides by immobilized Mo(VI) complex on magnetic nanoparticles in solvent-free condition. <i>Polyhedron</i> , 2020, 179, 114382.	2.2	10
42	RGO/Cu <sub>2</sub> O-CuO nanocomposite as a visible-light assisted photocatalyst for reduction of organic nitro groups to amines. <i>Molecular Catalysis</i> , 2021, 516, 111997.	2.0	10
43	Cis-dioxo-Mo(VI) salophen complex supported on Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles as an efficient magnetically separable and reusable nanocatalyst for selective epoxidation of olefins. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 2105-2115.	2.2	9
44	Alizarin-modified sulfonate carbon nanoparticles in vanadium sensing. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1005-1013.	2.5	8
45	Naked magnetite nanoparticles for both clean-up and solid-phase extraction-trace determination of mercury. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 457-469.	2.2	8
46	Nanomolar Determination of Penicillamine by Using a Novel Cobalt/Polyaniline/Carbon Paste Nanocomposite Electrode. <i>Electroanalysis</i> , 2012, 24, 2186-2192.	2.9	7
47	Synthesis, characterization, crystal structure, electrochemical, solvatochromic and biological investigation of novel N <sub>4</sub> and N <sub>3</sub> type Cu(II) Schiff base complexes. <i>New Journal of Chemistry</i> , 2017, 41, 12554-12561.	2.8	6
48	Manganese Ferrite Nanoparticles Modified by Mo(VI) Complex: Highly Efficient Catalyst for Sulfides and Olefins Oxidation Under Solventless Condition. <i>ChemistrySelect</i> , 2019, 4, 7116-7122.	1.5	6
49	[1+1] Copper(II) macrocyclic Schiff base complex on rGO as a photocatalyst for reduction of nitroaromatics compounds under visible-light irradiation. <i>Journal of Molecular Liquids</i> , 2021, 328, 115338.	4.9	4
50	Indirect Determination of Amikacin by Gold Nanoparticles as Redox Probe. <i>Current Drug Delivery</i> , 2021, 18, 761-769.	1.6	4
51	Volumetric and Viscometric Studies of N,N'-Bis(salicylaldehyde)-1,3-diaminopropane Schiff Base (Salpr) in Ionic Liquid + DMF solutions. <i>Journal of Solution Chemistry</i> , 2012, 41, 516-524.	1.2	3
52	Application of scaled particle theory to the partial molar volumes of some tetradentate N <sub>2</sub> O <sub>2</sub> type Schiff bases in ionic liquid+DMF solutions. <i>Fluid Phase Equilibria</i> , 2013, 354, 1-5.	2.5	3
53	Anchoring of a terpyridine-based Mo(VI) complex on manganese ferrite as a recoverable catalyst for epoxidation of olefins under solvent-free conditions. <i>Journal of Coordination Chemistry</i> , 2021, 74, 1597-1612.	2.2	3
54	Pd Nanoparticles Stabilized on the Cross-Linked Melamine-Based SBA-15 as a Catalyst for the Mizoroki-Heck Reaction. <i>Catalysis Letters</i> , 2022, 152, 991-1002.	2.6	3

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55	Thermodynamic properties of vanadyl (N,N'-salicylideneethylendiamine) Schiff base complex in ionic liquid+N,N-dimethylacetamide solutions. <i>Fluid Phase Equilibria</i> , 2012, 314, 95-101.	2.5	2
56	Effect of ionic liquid on the solvation behavior of nonaqueous N,N'-salicylidenephenyldiamine Schiff base (Salophen) solutions at 298.15K. <i>Journal of Chemical Thermodynamics</i> , 2013, 64, 58-64.	2.0	2
57	New terpyridine W(VI) complex on magnetite as a recoverable catalyst in epoxidation of olefins. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 755-767.	1.7	1