

Athar Adil Hashmi

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.

63

papers

956

citations

16

h-index

29

g-index

71

ext. papers

1,116

ext. citations

3.3

avg, IF

4.45

L-index

#	Paper	IF	Citations
63	Unravelling the anticancer potential of a square planar copper complex: toward non-platinum chemotherapy.. <i>RSC Advances</i> , 2021 , 11, 39349-39361	3.7	0
62	Exploring the Promising Anticancer and Antimicrobial Potential of Bioactive Triazoles and Their Related Compounds 2021 , 251-279		
61	Fabrication of metal incorporated polymer composite: An excellent antibacterial agent. <i>Journal of Molecular Structure</i> , 2021 , 1225, 129091	3.4	3
60	Silver based hybrid nanocomposite: A novel antibacterial material for water cleansing. <i>Journal of Cleaner Production</i> , 2021 , 284, 124746	10.3	21
59	Nanotechnology and its Application in Wastewater Treatment 2021 , 307-332		
58	Metal-Based Cellulose 2020 , 319-361		
57	Multifunctional Nanomedicine 2020 , 363-401		0
56	Chemotherapeutic Potential of Ruthenium Metal Complexes Incorporating Schiff Bases 2020 , 41-69		1
55	Recent Advances in Cobalt Derived Complexes as Potential Therapeutic Agents 2020 , 137-156		1
54	S-benzylidithiocarbazate imine coordinated metal complexes kill <i>Candida albicans</i> by causing cellular apoptosis and necrosis. <i>Bioorganic Chemistry</i> , 2020 , 98, 103771	5.1	7
53	Bioactivity and molecular docking of synthesized macromolecular ligand and its complex. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 4586-4593	5.9	0
52	New transition metal complexes with a pendent indole ring: insights into the antifungal activity and mode of action.. <i>RSC Advances</i> , 2019 , 9, 15151-15157	3.7	6
51	Probing the antibacterial and anticancer potential of tryptamine based mixed ligand Schiff base Ruthenium(III) complexes. <i>Bioorganic Chemistry</i> , 2019 , 87, 773-782	5.1	20
50	Heteroleptic transition metal complexes of Schiff-base-derived ligands exert their antifungal activity by disrupting membrane integrity. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5128	3.1	6
49	Synthesis and synergistic studies of isatin based mixed ligand complexes as potential antifungal therapeutic agents. <i>Heliyon</i> , 2019 , 5, e02055	3.6	13
48	Psidium guajava leave-based magnetic nanocomposite $\text{Fe}_2\text{O}_3\text{@GL}$: A green technology for methylene blue removal from water. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103423	6.8	32
47	Efficacy of Novel Schiff base Derivatives as Antifungal Compounds in Combination with Approved Drugs Against <i>Candida Albicans</i> . <i>Medicinal Chemistry</i> , 2019 , 15, 648-658	1.8	3

46	In-situ modification of castor oil with divalent metal ions like Zn (II), Cu (II), Co (II) and Ba (II) and their comparative antioxidant study by in-vitro methods. <i>Food Chemistry</i> , 2019 , 284, 213-218	8.5	5
45	Heterocyclic Schiff base transition metal complexes in antimicrobial and anticancer chemotherapy. <i>MedChemComm</i> , 2018 , 9, 409-436	5	156
44	Antimicrobial and antioxidant studies of novel mixed-metal complexes of benzoyl-aminoethanoic acid-nicotinamide: Microwave-assisted green synthesis, spectroscopic characterization and molecular modeling. <i>Tropical Journal of Pharmaceutical Research</i> , 2018 , 17, 865	0.8	1
43	Design, synthesis and spectroscopic characterization of metal (II) complexes derived from a tetradentate macrocyclic ligand: Study on antimicrobial and antioxidant capacity of complexes. <i>Microbial Pathogenesis</i> , 2017 , 104, 212-216	3.8	14
42	Design, synthesis and characterization of macrocyclic ligand based transition metal complexes of Ni(II), Cu(II) and Co(II) with their antimicrobial and antioxidant evaluation. <i>Journal of Molecular Structure</i> , 2017 , 1134, 734-741	3.4	25
41	Synthesis, XRD and spectroscopic characterization of pharmacologically active Cu(II) and Zn(II) complexes. <i>Journal of Molecular Structure</i> , 2017 , 1139, 264-268	3.4	3
40	Synthesis of Ni(II), Cu(II) and Co(II) complexes with new macrocyclic Schiff-base ligand containing dihydrazide moiety: Spectroscopic, structural, antimicrobial and antioxidant properties. <i>Microbial Pathogenesis</i> , 2017 , 110, 444-449	3.8	10
39	Curcumin and Its Derivatives [Isolation, Synthesis, and Applications 2017 , 145-174		3
38	Preparation and characterization of silver nanoparticles using aniline. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S1506-S1511	5.9	17
37	Synthesis, characterization and biological screening of some Schiff base macrocyclic ligand based transition metal complexes as antifungal agents. <i>Arabian Journal of Chemistry</i> , 2016 , 9, S743-S751	5.9	21
36	Synthesis, molecular docking and evaluation of antifungal activity of Ni(II), Co(II) and Cu(II) complexes of porphyrin core macromolecular ligand. <i>Microbial Pathogenesis</i> , 2016 , 93, 172-9	3.8	14
35	One-pot synthesis of new Pyrido [2,3-d] Pyrimidine derivatives under ultrasonic irradiation using organo catalyst 4-Dimethylaminopyridine (DMAP). <i>Catalysis for Sustainable Energy</i> , 2016 , 3,	0.6	2
34	Synthesis, Characterization and Biological Evaluation of Metal Complexes with Water-Soluble Macromolecular Dendritic Ligand. <i>Pharmaceutical Chemistry Journal</i> , 2016 , 49, 868-877	0.9	1
33	Design, synthesis, characterization and antimicrobial/antioxidant activities of 1, 4-dicarbonyl-phenyl-dihydrazide based macrocyclic ligand and its Cu(II), Co(II) and Ni(II) complexes. <i>Microbial Pathogenesis</i> , 2016 , 100, 237-243	3.8	14
32	Design and synthesis of Co(II) and Cu(II) complexes of a dendrimeric chelate: promising anticandidal potential of chelotherapeutic agents. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 2096-2106	1.6	9
31	Biological Activity Studies on Metal Complexes of Macrocyclic Schiff Base Ligand: Synthesis and Spectroscopic Characterization. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	4
30	Dendrimers: synthetic strategies, properties and applications. <i>Oriental Journal of Chemistry</i> , 2014 , 30, 911-922	0.8	12
29	Preparation Physicochemical Characterization and Catalytic Applications of Polystyrene Ethylenediamine Tetra acetic Acid Cu(II) Metal Complex. <i>Modern Research in Catalysis</i> , 2014 , 03, 107-116	0.6	5

28	Effect of Bimetallic Soybean Oil Based Polymer on Growth and Plasma Membrane H ⁺ -ATPase Activity Among Fungi. <i>Journal of Polymers and the Environment</i> , 2013 , 21, 81-87	4.5	2
27	Au(III)-CTAB reduction by ascorbic acid: preparation and characterization of gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 104, 11-7	6	80
26	Synthesis of Sunflower Oil Based Bimetallic Polymer and Its Antifungal Studies. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013 , 62, 653-662	3	4
25	Anticandidal activity of cobalt containing sunflower oil-based polymer. <i>Polymer Engineering and Science</i> , 2013 , 53, 2650-2658	2.3	3
24	Synthesis, characterization and antimicrobial screening of a novel organylborate ligand, potassium hydro(phthalyl)(salicylyl)borate and its Co(II), Ni(II), and Cu(II) complexes. <i>Journal of Saudi Chemical Society</i> , 2012 , 16, 353-361	4.3	6
23	Shape-directing role of cetyltrimethylammonium bromide in the green synthesis of Ag-nanoparticles using Neem (<i>Azadirachta indica</i>) leaf extract. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 95, 229-34	6	43
22	Development of Water-Borne Green Polymer Used as a Potential Nano Drug Vehicle and its In Vitro Release Studies. <i>Journal of Polymers and the Environment</i> , 2011 , 19, 607-614	4.5	4
21	Antifungal activity of β -methyl trans cinnamaldehyde, its ligand and metal complexes: promising growth and ergosterol inhibitors. <i>BioMetals</i> , 2011 , 24, 923-33	3.4	41
20	Impaired ergosterol biosynthesis mediated fungicidal activity of oil based tin polymer. <i>Medicinal Chemistry Research</i> , 2011 , 20, 1141-1146	2.2	6
19	Silver nanoplates and nanowires by a simple chemical reduction method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 86, 87-92	6	23
18	Time dependence of nucleation and growth of silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 381, 23-30	5.1	19
17	Silver Nanoparticles: Green Route, Stability and Effect of Additives. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2011 , 02, 390-399	1	23
16	Silver nanoparticles: preparation, characterization, and kinetics. <i>Advanced Materials Letters</i> , 2011 , 2, 188-194	4	103
15	Antimicrobial studies of newly synthesized organotin(IV) complexes of dihydrobis(2-mercaptothiazolyl)borate. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 906-915	1.6	6
14	Anticandidal activity of cinnamaldehyde, its ligand and Ni(II) complex: effect of increase in ring and side chain. <i>Microbial Pathogenesis</i> , 2010 , 49, 75-82	3.8	53
13	Cadmium Incorporated Oil Based Bioactive Polymers: Synthesis, Characterization and Physico-chemical Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2010 , 20, 833-838	3.2	7
12	Edible Oil-Based Metal-Containing Bioactive Polymers: Synthesis, Characterization, Physicochemical and Biological Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2010 , 20, 839-846	3.2	8
11	Synthesis, Characterization and Antimicrobial Activity of Potassium Hydro(benzoyl)(phthalyl)borate and Its Cobalt(II), Nickel(II), and Copper(II) Complexes. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 1300-1306	4.9	1

10	Bioactive Organotin Materials: Synthesis, Characterization and Antimicrobial Investigation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2009 , 19, 187-195	3.2	13
9	Synthesis, Characterization and Biological Studies of Oil Based Tin Polymer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2009 , 19, 459-465	3.2	12
8	Seed Oil Based Zinc Bioactive Polymers: Synthesis, Characterization and Biological Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2009 , 19, 558-565	3.2	17
7	Influence of cerium(IV) and manganese(II) on the oxidation of D-galactose by chromium(VI) in the presence of HClO ₄ . <i>Kinetics and Catalysis</i> , 2009 , 50, 82-87	1.5	2
6	Structural and antimicrobial studies of potassium hydrotris(2-mercaptobenzathiazolyl)borate and its organotin(IV) derivatives. <i>Journal of Coordination Chemistry</i> , 2008 , 61, 2437-2448	1.6	4
5	Organotin(IV) oxo-homoscorpionate: preparation, spectroscopic characterization and antimicrobial properties. <i>Journal of Coordination Chemistry</i> , 2008 , 61, 1283-1293	1.6	8
4	Effect of cationic micelles of cetytrimethylammonium bromide on the oxidation of thiourea by permanganate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 315, 226-231	5.1	14
3	Synthesis, spectral and biological studies of organotin(IV) complexes of heteroscorpionate. <i>Applied Organometallic Chemistry</i> , 2006 , 20, 740-746	3.1	10
2	Reduction of chromium(VI) by phosphonic acid. <i>Transition Metal Chemistry</i> , 1998 , 23, 147-150	2.1	4
1	Kinetics and mechanism of chromic acid oxidation of oxalic acid in absence and presence of different acid media. A kinetic study. <i>International Journal of Chemical Kinetics</i> , 1998 , 30, 335-340	1.4	9