Athar Adil Hashmi

List of Publications by Citations

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	Heterocyclic Schiff base transition metal complexes in antimicrobial and anticancer chemotherapy. *MedChemComm*, **2018**, 9, 409-436	5	156
62	Silver nanoparticles: preparation, characterization, and kinetics. *Advanced Materials Letters*, **2011**, 2, 188-194	2.4	103
61	Au(III)-CTAB reduction by ascorbic acid: preparation and characterization of gold nanoparticles. *Colloids and Surfaces B: Biointerfaces*, **2013**, 104, 11-7	6	80
60	Anticandidal activity of cinnamaldehyde, its ligand and Ni(II) complex: effect of increase in ring and side chain. *Microbial Pathogenesis*, **2010**, 49, 75-82	3.8	53
59	Shape-directing role of cetyltrimethylammonium bromide in the green synthesis of Ag-nanoparticles using Neem (Azadirachta indica) leaf extract. *Colloids and Surfaces B: Biointerfaces* , **2012**, 95, 229-34	6	43
58	Antifungal activity of □-methyl trans cinnamaldehyde, its ligand and metal complexes: promising growth and ergosterol inhibitors. *BioMetals*, **2011**, 24, 923-33	3.4	41
57	Psidium guajava leave-based magnetic nanocomposite □Fe2O3@GL: A green technology for methylene blue removal from water. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103423	6.8	32
56	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. *Journal of Molecular Structure*, **2017**, 1134, 734-741	3.4	25
55	Silver nanoplates and nanowires by a simple chemical reduction method. *Colloids and Surfaces B: Biointerfaces*, **2011**, 86, 87-92	6	23
54	Silver Nanoparticles: Green Route, Stability and Effect of Additives. *Journal of Biomaterials and Nanobiotechnology*, **2011**, 02, 390-399	1	23
53	Synthesis, characterization and biological screening of some Schiff base macrocyclic ligand based transition metal complexes as antifungal agents. *Arabian Journal of Chemistry*, **2016**, 9, S743-S751	5.9	21
52	Silver based hybrid nanocomposite: A novel antibacterial material for water cleansing. *Journal of Cleaner Production*, **2021**, 284, 124746	10.3	21
51	Probing the antibacterial and anticancer potential of tryptamine based mixed ligand Schiff base Ruthenium(III) complexes. *Bioorganic Chemistry*, **2019**, 87, 773-782	5.1	20
50	Time dependence of nucleation and growth of silver nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2011**, 381, 23-30	5.1	19
49	Preparation and characterization of silver nanoparticles using aniline. *Arabian Journal of Chemistry*, **2017**, 10, S1506-S1511	5.9	17
48	Seed Oil Based Zinc Bioactive Polymers: Synthesis, Characterization and Biological Studies. *Journal of Inorganic and Organometallic Polymers and Materials*, **2009**, 19, 558-565	3.2	17
47	Design, synthesis and spectroscopic characterization of metal (II) complexes derived from a tetradentate macrocyclic ligand: Study on □antimicrobial and antioxidant capacity of complexes. *Microbial Pathogenesis*, **2017**, 104, 212-216	3.8	14

46	Synthesis, molecular docking and evaluation of antifungal activity of Ni(II), Co(II) and Cu(II) complexes of porphyrin core macromolecular ligand. *Microbial Pathogenesis*, **2016**, 93, 172-9	3.8	14
45	Effect of cationic micelles of cetytrimethylammonium bromide on the oxidation of thiourea by permanganate. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 315, 226-231	5.1	14
44	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. *Microbial Pathogenesis*, **2016**, 100, 237-243	3.8	14
43	Synthesis and synergistic studies of isatin based mixed ligand complexes as potential antifungal therapeutic agents. *Heliyon*, **2019**, 5, e02055	3.6	13
42	Bioactive Organotin Materials: Synthesis, Characterization and Antimicrobial Investigation. *Journal of Inorganic and Organometallic Polymers and Materials*, **2009**, 19, 187-195	3.2	13
41	Dendrimers: synthetic strategies, properties and applications. *Oriental Journal of Chemistry*, **2014**, 30, 911-922	0.8	12
40	Synthesis, Characterization and Biological Studies of Oil Based Tin Polymer. *Journal of Inorganic and Organometallic Polymers and Materials*, **2009**, 19, 459-465	3.2	12
39	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. *Microbial Pathogenesis*, **2017**, 110, 444-449	3.8	10
38	Synthesis, spectral and biological studies of organotin(IV) complexes of heteroscorpionate. *Applied Organometallic Chemistry*, **2006**, 20, 740-746	3.1	10
37	Design and synthesis of Co(II) and Cu(II) complexes of a dendrimeric chelate: promising anticandidal potential of chelotherapeutic agents. *Journal of Coordination Chemistry*, **2015**, 68, 2096-2106	1.6	9
36	Kinetics and mechanism of chromic acid oxidation of oxalic acid in absence and presence of different acid media. A kinetic study. *International Journal of Chemical Kinetics*, **1998**, 30, 335-340	1.4	9
35	Edible Oil-Based Metal-Containing Bioactive Polymers: Synthesis, Characterization, Physicochemical and Biological Studies. *Journal of Inorganic and Organometallic Polymers and Materials*, **2010**, 20, 839-846	3.2	8
34	Organotin(IV) oxo -homoscorpionate: preparation, spectroscopic characterization and antimicrobial properties. *Journal of Coordination Chemistry*, **2008**, 61, 1283-1293	1.6	8
33	S-benzyldithiocarbazate imine coordinated metal complexes kill Candida albicans by causing cellular apoptosis and necrosis. *Bioorganic Chemistry*, **2020**, 98, 103771	5.1	7
32	Cadmium Incorporated Oil Based Bioactive Polymers: Synthesis, Characterization and Physico-chemical Studies. *Journal of Inorganic and Organometallic Polymers and Materials*, **2010**, 20, 833-838	3.2	7
31	New transition metal complexes with a pendent indole ring: insights into the antifungal activity and mode of action.. *RSC Advances*, **2019**, 9, 15151-15157	3.7	6
30	Heteroleptic transition metal complexes of Schiff-base-derived ligands exert their antifungal activity by disrupting membrane integrity. *Applied Organometallic Chemistry*, **2019**, 33, e5128	3.1	6
29	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. *Journal of Saudi Chemical Society*, **2012**, 16, 353-361	4.3	6

28	Impaired ergosterol biosynthesis mediated fungicidal activity of oil based tin polymer. *Medicinal Chemistry Research*, **2011**, 20, 1141-1146	2.2	6
27	Antimicrobial studies of newly synthesized organotin(IV) complexes of dihydrobis(2-mercaptothiazolinyl)borate. *Journal of Coordination Chemistry*, **2010**, 63, 906-915	1.6	6
26	Preparation Physicochemical Characterization and Catalytic Applications of Polystyrene Ethylenediamine Tetra acetic Acid Cu(II) Metal Complex. *Modern Research in Catalysis*, **2014**, 03, 107-116	0.6	5
25	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. *Food Chemistry*, **2019**, 284, 213-218	8.5	5
24	Biological Activity Studies on Metal Complexes of Macrocyclic Schiff Base Ligand: Synthesis and Spectroscopic Characterization. *Journal of the Brazilian Chemical Society*, **2015**,	1.5	4
23	Synthesis of Sunflower Oil Based Bimetallic Polymer and Its Antifungal Studies. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2013**, 62, 653-662	3	4
22	Development of Water-Borne Green Polymer Used as a Potential Nano Drug Vehicle and its In Vitro Release Studies. *Journal of Polymers and the Environment*, **2011**, 19, 607-614	4.5	4
21	Reduction of chromium(VI) by phosphonic acid. *Transition Metal Chemistry*, **1998**, 23, 147-150	2.1	4
20	Structural and antimicrobial studies of potassium hydrotris(2-mercaptobenzathiazolyl)borate and its organotin(IV) derivatives. *Journal of Coordination Chemistry*, **2008**, 61, 2437-2448	1.6	4
19	Synthesis, XRD and spectroscopic characterization of pharmacologically active Cu(II) and Zn(II) complexes. *Journal of Molecular Structure*, **2017**, 1139, 264-268	3.4	3
18	Curcumin and Its Derivatives Isolation, Synthesis, and Applications **2017**, 145-174		3
17	Anticandidal activity of cobalt containing sunflower oil-based polymer. *Polymer Engineering and Science*, **2013**, 53, 2650-2658	2.3	3
16	Efficacy of Novel Schiff base Derivatives as Antifungal Compounds in Combination with Approved Drugs Against Candida Albicans. *Medicinal Chemistry*, **2019**, 15, 648-658	1.8	3
15	Fabrication of metal incorporated polymer composite: An excellent antibacterial agent. *Journal of Molecular Structure*, **2021**, 1225, 129091	3.4	3
14	Effect of Bimetallic Soybean Oil Based Polymer on Growth and Plasma Membrane H+-ATPase Activity Among Fungi. *Journal of Polymers and the Environment*, **2013**, 21, 81-87	4.5	2
13	Influence of cerium(IV) and manganese(II) on the oxidation of D-galactose by chromium(VI) in the presence of HClO4. *Kinetics and Catalysis*, **2009**, 50, 82-87	1.5	2
12	One-pot synthesis of new Pyrido [2,3-d] Pyrimidine derivatives under ultrasonic irradiation using organo catalyst 4-Dimethylaminopyridine (DMAP). *Catalysis for Sustainable Energy*, **2016**, 3,	0.6	2
11	Chemotherapeutic Potential of Ruthenium Metal Complexes Incorporating Schiff Bases **2020**, 41-69		1

List of Publications

10	Recent Advances in Cobalt Derived Complexes as Potential Therapeutic Agents **2020**, 137-156		1
9	Antimicrobial and antioxidant studies of novel mixed-metal complexes of benzoyl-aminoethanoic acid-nicotinamide: Microwave-assisted green synthesis, spectroscopic characterization and molecular modeling. *Tropical Journal of Pharmaceutical Research*, **2018**, 17, 865	0.8	1
8	Synthesis, Characterization and Antimicrobial Activity of Potassium Hydro(benzoyl)(phthalyl)borate and Its Cobalt(II), Nickel(II), and Copper(II) Complexes. *Chinese Journal of Chemistry*, **2009**, 27, 1300-1306	4.9	1
7	Synthesis, Characterization and Biological Evaluation of Metal Complexes with Water-Soluble Macromolecular Dendritic Ligand. *Pharmaceutical Chemistry Journal*, **2016**, 49, 868-877	0.9	1
6	Multifunctional Nanomedicine **2020**, 363-401		0
5	Unravelling the anticancer potential of a square planar copper complex: toward non-platinum chemotherapy.. *RSC Advances*, **2021**, 11, 39349-39361	3.7	0
4	Bioactivity and molecular docking of synthesized macromolecular ligand and its complex. *Arabian Journal of Chemistry*, **2020**, 13, 4586-4593	5.9	0
3	Metal-Based Cellulose **2020**, 319-361		
2	Exploring the Promising Anticancer and Antimicrobial Potential of Bioactive Triazoles and Their Related Compounds **2021**, 251-279		
1	Nanotechnology and its Application in Wastewater Treatment **2021**, 307-332		