

# Athar Adil Hashmi

## List of Publications by Year in descending order

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64  
papers

1,336  
citations

393982

19  
h-index

360668

35  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1950  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of metal incorporated polymer composite: An excellent antibacterial agent. <i>Journal of Molecular Structure</i> , 2021, 1225, 129091.	1.8	9
2	Silver based hybrid nanocomposite: A novel antibacterial material for water cleansing. <i>Journal of Cleaner Production</i> , 2021, 284, 124746.	4.6	34
3	Unravelling the anticancer potential of a square planar copper complex: toward non-platinum chemotherapy. <i>RSC Advances</i> , 2021, 11, 39349-39361.	1.7	3
4	Bioactivity and molecular docking of synthesized macromolecular ligand and its complex. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4586-4593.	2.3	3
5	S-benzylthiocarbamate imine coordinated metal complexes kill <i>Candida albicans</i> by causing cellular apoptosis and necrosis. <i>Bioorganic Chemistry</i> , 2020, 98, 103771.	2.0	20
6	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.	1.7	9
7	Synthesis and synergistic studies of isatin based mixed ligand complexes as potential antifungal therapeutic agents. <i>Heliyon</i> , 2019, 5, e02055.	1.4	27
8	<i>Psidium guajava</i> leave-based magnetic nanocomposite $\text{Fe}_3\text{O}_4/\text{GL}$ : A green technology for methylene blue removal from water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103423.	3.3	50
9	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.	1.7	14
10	Probing the antibacterial and anticancer potential of tryptamine based mixed ligand Schiff base Ruthenium(III) complexes. <i>Bioorganic Chemistry</i> , 2019, 87, 773-782.	2.0	31
11	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.	4.2	6
12	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.	0.7	10
13	Heterocyclic Schiff base transition metal complexes in antimicrobial and anticancer chemotherapy. <i>MedChemComm</i> , 2018, 9, 409-436.	3.5	279
14	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.	0.2	1
15	Synthesis, Spectroscopic Characterization, Coordination, and Antimicrobial Activity of Some Metal Complexes Derived From 1, 2-Diphenylethane-1, 2-dione and Dinitrophenyl Hydrazine Schiff Base Ligand. <i>Jundishapur Journal of Natural Pharmaceutical Products</i> , 2018, In Press, .	0.3	0
16	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.	1.3	19
17	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.	1.8	32
18	Synthesis, XRD and spectroscopic characterization of pharmacologically active Cu(II) and Zn(II) complexes. <i>Journal of Molecular Structure</i> , 2017, 1139, 264-268.	1.8	5

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19	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.	1.3	16
20	Preparation and characterization of silver nanoparticles using aniline. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1506-S1511.	2.3	23
21	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.	2.3	43
22	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, .	0.7	2
23	Synthesis, Characterization and Biological Evaluation of Metal Complexes with Water-Soluble Macromolecular Dendritic Ligand. <i>Pharmaceutical Chemistry Journal</i> , 2016, 49, 868-877.	0.3	1
24	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.	1.3	18
25	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, 172-179.	1.3	22
26	Biological Activity Studies on Metal Complexes of Macrocyclic Schiff Base Ligand: Synthesis and Spectroscopic Characterization. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	9
27	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.	0.8	12
28	Synthesis and Characterization of Chitosan Ligand Metal Complex Its Catalytic and Antimicrobial Activity. <i>Journal of Chitin and Chitosan Science</i> , 2015, 3, 62-67.	0.3	0
29	Chitosan Biopolymer an Effective Catalyst Towards Oxidation of Benzyl Alcohol. <i>Journal of Chitin and Chitosan Science</i> , 2015, 3, 57-61.	0.3	0
30	Synthesis, Characterisation and Biological Activity of Co(II) and Cu(II) Complexes Derived from 1,2-Diphenylethane-1,2-Dione (DPED), Dinitrophenylhydrazine (DNPH) and Chitosan. <i>Advanced Chemistry Letters</i> , 2015, 2, 36-41.	0.1	0
31	Dendrimers: synthetic strategies, properties and applications. <i>Oriental Journal of Chemistry</i> , 2014, 30, 911-922.	0.1	15
32	Preparation Physico-Chemical Characterization And Catalytic Applications Of Polymer Anchored Dimethylglyoxime Copper (II) Metal Complex. <i>Journal of New Developments in Chemistry</i> , 2014, 1, 20-29.	0.5	1
33	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.	1.2	6
34	Determination of Phenolic Content of North Indian Tropical Fruits Ananas Comosus (Pineapple) and Vitis Vinifera (Grapes). <i>Journal of Nutritional Ecology and Food Research</i> , 2014, 2, 316-319.	0.1	0
35	Effect of Bimetallic Soybean Oil Based Polymer on Growth and Plasma Membrane H <sup>+</sup> -ATPase Activity Among Fungi. <i>Journal of Polymers and the Environment</i> , 2013, 21, 81-87.	2.4	2
36	Au(III)â€™CTAB reduction by ascorbic acid: Preparation and characterization of gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 11-17.	2.5	109

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37	Synthesis of Sunflower Oil Based Bimetallic Polymer and Its Antifungal Studies. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 653-662.	1.8	5
38	Anticandidal activity of cobalt containing sunflower oil based polymer. Polymer Engineering and Science, 2013, 53, 2650-2658.	1.5	3
39	Thermal and Spectroscopic Studies of Transition Metal Complexes with Dihydrobis(2-Mercaptobenzothiazolyl)borate. Asian Journal of Chemistry, 2013, 25, 10386-10392.	0.1	1
40	Effect of Various Parameters on the Catalytic Oxidation of Cyclohexane Using Schiff Base Cu (II) Metal Complex Catalyst. Journal of Green Science and Technology, 2013, 1, 114-118.	0.2	0
41	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.	2.4	7
42	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, 229-234.	2.5	51
43	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.	2.4	6
44	Antifungal activity of $\beta$ -methyl trans cinnamaldehyde, its ligand and metal complexes: promising growth and ergosterol inhibitors. BioMetals, 2011, 24, 923-933.	1.8	44
45	Impaired ergosterol biosynthesis mediated fungicidal activity of oil based tin polymer. Medicinal Chemistry Research, 2011, 20, 1141-1146.	1.1	7
46	Silver nanoplates and nanowires by a simple chemical reduction method. Colloids and Surfaces B: Biointerfaces, 2011, 86, 87-92.	2.5	23
47	Time dependence of nucleation and growth of silver nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 381, 23-30.	2.3	22
48	Silver Nanoparticles: Green Route, Stability and Effect of Additives. Journal of Biomaterials and Nanobiotechnology, 2011, 02, 390-399.	1.0	25
49	Silver nanoparticles: preparation, characterization, and kinetics. Advanced Materials Letters, 2011, 2, 188-194.	0.3	120
50	Cadmium Incorporated Oil Based Bioactive Polymers: Synthesis, Characterization and Physico-chemical Studies. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 833-838.	1.9	7
51	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.	1.9	9
52	Antimicrobial studies of newly synthesized organotin(IV) complexes of dihydrobis(2-mercaptobenzothiazolyl)borate. Journal of Coordination Chemistry, 2010, 63, 906-915.	0.8	7
53	Anticandidal activity of cinnamaldehyde, its ligand and Ni(II) complex: Effect of increase in ring and side chain. Microbial Pathogenesis, 2010, 49, 75-82.	1.3	56
54	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.	2.6	1

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55	Bioactive Organotin Materials: Synthesis, Characterization and Antimicrobial Investigation. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 187-195.	1.9	15
56	Synthesis, Characterization and Biological Studies of Oil Based Tin Polymer. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 459-465.	1.9	13
57	Seed Oil Based Zinc Bioactive Polymers: Synthesis, Characterization and Biological Studies. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 558-565.	1.9	18
58	Influence of cerium(IV) and manganese(II) on the oxidation of D-galactose by chromium(VI) in the presence of HClO <sub>4</sub> . Kinetics and Catalysis, 2009, 50, 82-87.	0.3	3
59	Effect of cationic micelles of cetyltrimethylammonium bromide on the oxidation of thiourea by permanganate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 315, 226-231.	2.3	14
60	Structural and antimicrobial studies of potassium hydrotris(2-mercaptobenzathiazolyl)borate and its organotin(IV) derivatives. Journal of Coordination Chemistry, 2008, 61, 2437-2448.	0.8	4
61	Organotin(IV) oxo-homoscorpionate: preparation, spectroscopic characterization and antimicrobial properties. Journal of Coordination Chemistry, 2008, 61, 1283-1293.	0.8	9
62	Synthesis, spectral and biological studies of organotin(IV) complexes of heteroscorpionate. Applied Organometallic Chemistry, 2006, 20, 740-746.	1.7	10
63	Reduction of chromium(VI) by phosphonic acid. Transition Metal Chemistry, 1998, 23, 147-150.	0.7	8
64	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.	1.0	10