

Murad Ali Khan

List of Publications by Citations

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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.

77
papers

2,156
citations

23
h-index

45
g-index

84
ext. papers

2,581
ext. citations

3.5
avg, IF

4.99
L-index

#	Paper	IF	Citations
77	Diverse compounds mimic Alzheimer disease-causing mutations by augmenting Aβ ₄₂ production. <i>Nature Medicine</i> , 2005 , 11, 545-50	50.5	254
76	Regulation of steady-state beta-amyloid levels in the brain by neprilysin and endothelin-converting enzyme but not angiotensin-converting enzyme. <i>Journal of Biological Chemistry</i> , 2006 , 281, 30471-8	5.4	150
75	Pollution, Toxicity and Carcinogenicity of Organic Dyes and their Catalytic Bio-Remediation. <i>Current Pharmaceutical Design</i> , 2019 , 25, 3645-3663	3.3	130
74	Green synthesis of plant supported CuAg and CuNi bimetallic nanoparticles in the reduction of nitrophenols and organic dyes for water treatment. <i>Journal of Molecular Liquids</i> , 2018 , 260, 78-91	6	124
73	A Comprehensive Review of Magnetic Nanomaterials Modern Day Theranostics. <i>Frontiers in Materials</i> , 2019 , 6,	4	112
72	The antinociceptive activity of Polygonatum verticillatum rhizomes in pain models. <i>Journal of Ethnopharmacology</i> , 2010 , 127, 521-7	5	98
71	Catalytic reduction of picric acid, nitrophenols and organic azo dyes via green synthesized plant supported Ag nanoparticles. <i>Journal of Molecular Liquids</i> , 2018 , 268, 87-101	6	96
70	Spectral, XRD, SEM and biological properties of new mononuclear Schiff base transition metal complexes. <i>Inorganic Chemistry Communication</i> , 2013 , 35, 104-109	3.1	72
69	Biosynthesis of silver nanoparticles: A colorimetric optical sensor for detection of hexavalent chromium and ammonia in aqueous solution. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 103, 367-376	3	68
68	Antibacterial PES-CA-Ag ₂ O nanocomposite supported Cu nanoparticles membrane toward ultrafiltration, BSA rejection and reduction of nitrophenol. <i>Journal of Molecular Liquids</i> , 2017 , 230, 616-624	6	67
67	Design and chemical synthesis of a magnetic resonance contrast agent with enhanced in vitro binding, high blood-brain barrier permeability, and in vivo targeting to Alzheimer's disease amyloid plaques. <i>Biochemistry</i> , 2004 , 43, 6064-75	3.2	66
66	Green synthesis of zerovalent copper nanoparticles for efficient reduction of toxic azo dyes congo red and methyl orange. <i>Green Processing and Synthesis</i> , 2019 , 8, 135-143	3.9	64
65	Effect of Environmental Pollution on Heavy Metals Content of Withania Somnifera. <i>Journal of the Chinese Chemical Society</i> , 2007 , 54, 339-343	1.5	53
64	Taraxacin, a new guaianolide from Taraxacum wallichii. <i>Journal of Natural Products</i> , 2000 , 63, 1010-1	4.9	52
63	Antinociceptive activity of aerial parts of Polygonatum verticillatum: attenuation of both peripheral and central pain mediators. <i>Phytotherapy Research</i> , 2011 , 25, 1024-30	6.7	49
62	Novel synthesis of silver nanoparticles using melon aqueous extract and evaluation of their feeding deterrent activity against housefly Musca domestica. <i>Asian Pacific Journal of Tropical Disease</i> , 2016 , 6, 311-316		40
61	Synthesis of acid-cleavable light isotope-coded affinity tags (ICAT-L) for potential use in proteomic expression profiling analysis. <i>Bioconjugate Chemistry</i> , 2006 , 17, 248-54	6.3	39

60	Anti-inflammatory, analgesic and antipyretic activities of <i>Physalis minima</i> Linn. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009 , 24, 632-7	5.6	37
59	Antibacterial activities of <i>Dodonaea viscosa</i> using contact bioautography technique. <i>Molecules</i> , 2009 , 14, 1332-41	4.8	29
58	Effect of vehicle exhaust on the quantity of polycyclic aromatic hydrocarbons (PAHs) in soil. <i>Environmental Monitoring and Assessment</i> , 2008 , 137, 363-9	3.1	28
57	Green synthesis of antibacterial bimetallic AgCu nanoparticles for catalytic reduction of persistent organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 20840-20855	2.1	27
56	Medicago polymorpha-mediated antibacterial silver nanoparticles in the reduction of methyl orange. <i>Green Processing and Synthesis</i> , 2019 , 8, 118-127	3.9	26
55	Antimalarial and free radical scavenging activities of rhizomes of <i>Polygonatum verticillatum</i> supported by isolated metabolites. <i>Medicinal Chemistry Research</i> , 2012 , 21, 1278-1282	2.2	25
54	Heavy metals in brick kiln located area using atomic absorption spectrophotometer: a case study from the city of Peshawar, Pakistan. <i>Environmental Monitoring and Assessment</i> , 2010 , 166, 409-20	3.1	23
53	Antibacterial, antioxidant and cytotoxic studies of total saponin, alkaloid and sterols contents of decoction of Joshanda: identification of components through thin layer chromatography. <i>Toxicology and Industrial Health</i> , 2015 , 31, 202-8	1.8	22
52	Santoflavone, A 5-deoxyflavonoid from <i>Achillea santolina</i> . <i>Phytochemistry</i> , 1995 , 38, 1305-1307	4	21
51	Plant-supported silver nanoparticles: Efficient, economically viable and easily recoverable catalyst for the reduction of organic pollutants. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4971	3.1	20
50	Phytosynthesis of silver nanoparticles; naked eye cellulose filter paper dual mechanism sensor for mercury ions and ammonia in aqueous solution. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 7367-7383	2.1	20
49	Phytotoxic, insecticidal and leishmanicidal activities of aerial parts of <i>Polygonatum verticillatum</i> . <i>African Journal of Biotechnology</i> , 2010 , 9, 1241-1244	0.6	20
48	Enzyme inhibition activities of the extracts from rhizomes of <i>Gloriosa superba</i> Linn (Colchicaceae). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007 , 22, 722-5	5.6	20
47	Plant Mediated Green Synthesis of Anti-Microbial Silver Nanoparticles: A Review on Recent Trends. <i>Reviews in Nanoscience and Nanotechnology</i> , 2016 , 5, 119-135		19
46	Efficient synthesis of palladium nanoparticles using guar gum as stabilizer and their applications as catalyst in reduction reactions and degradation of azo dyes. <i>Green Processing and Synthesis</i> , 2019 , 9, 63-76	3.9	17
45	Determination of Mineral Elements in Milk Products by Inductively Coupled Plasma-Optical Emission Spectrometry. <i>Analytical Letters</i> , 2014 , 47, 1606-1613	2.2	16
44	Impedimetric humidity sensor based on the use of SnO ₂ /Co ₃ O ₄ spheres. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 4260-4266	2.1	15
43	Synthesis and antileishmanial and antimicrobial activities of some 2,3-disubstituted 3H-quinazolin-4-ones. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010 , 25, 451-8	5.6	15

42	A new 14-membered cyclopeptide alkaloid from <i>Zizyphus oxyphylla</i> . <i>Natural Product Research</i> , 2007 , 21, 243-53	2.3	15
41	Effect of mercury and arsenic from industrial effluents on the drinking water and comparison of the water quality of polluted and non-polluted areas: a case study of Peshawar and Lower Dir. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 1483-94	3.1	13
40	Antimicrobial activities of <i>Gloriosa superba</i> Linn (Colchicaceae) extracts. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008 , 23, 855-9	5.6	13
39	In vitro anti-leishmanial and anti-fungal effects of new SbIII carboxylates. <i>Organic and Medicinal Chemistry Letters</i> , 2011 , 1, 2		12
38	Withanolides isolated from <i>Withania somnifera</i> with α -glucosidase inhibition. <i>Medicinal Chemistry Research</i> , 2014 , 23, 2386-2390	2.2	11
37	Cadmium oxide based efficient electrocatalyst for hydrogen peroxide sensing and water oxidation. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 1092-1100	2.1	11
36	In vivo antinociceptive and anticonvulsant activity of extracts of <i>Heliotropium strigosum</i> . <i>Toxicology and Industrial Health</i> , 2016 , 32, 860-5	1.8	10
35	Isolation of long-chain esters from the rhizome of <i>Polygonatum verticillatum</i> by potent tyrosinase inhibition. <i>Medicinal Chemistry Research</i> , 2013 , 22, 2088-2092	2.2	9
34	Urease Inhibitory Activity of Aerial Parts of <i>Artemisia scoparia</i> : Exploration in an In Vitro Study. <i>Ulcers</i> , 2014 , 2014, 1-5		9
33	Anti-inflammatory activity of <i>Heliotropium strigosum</i> in animal models. <i>Toxicology and Industrial Health</i> , 2015 , 31, 1281-7	1.8	8
32	Biofunctional properties of <i>Eruca sativa</i> Miller (rocket salad) hydroalcoholic extract. <i>Natural Product Research</i> , 2016 , 30, 1202-4	2.3	7
31	Facile synthesis of hair-extract-capped gold and silver nanoparticles and their biological applications. <i>RSC Advances</i> , 2016 , 6, 113452-113456	3.7	7
30	Antiulcer Effect of Extract/Fractions of : Attenuation of Urease Activity. <i>Journal of Evidence-Based Complementary & Alternative Medicine</i> , 2014 , 19, 176-180		7
29	Rapid Bioassay-Guided Isolation of Antibacterial Clerodane Type Diterpenoid from <i>Dodonaea viscosa</i> (L.) Jacq. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 20290-307	6.3	7
28	Antimicrobial bioassay of <i>Colchicum luteum</i> Baker. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006 , 21, 765-9	5.6	7
27	Antimicrobial activity of different tea varieties available in Pakistan. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015 , 28, 2091-4	0.4	7
26	Antibacterial CuO-PES-CA nanocomposite membranes supported CuO nanoparticles for water permeability and reduction of organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 10835-10847	2.1	6
25	In vitro attenuation of thermal-induced protein denaturation by aerial parts of <i>Artemisia scoparia</i> . <i>Journal of Evidence-Based Complementary & Alternative Medicine</i> , 2015 , 20, 9-12		6

24	Inhibition of thermal induced protein denaturation of extract/fractions of <i>Withania somnifera</i> and isolated withanolides. <i>Natural Product Research</i> , 2015 , 29, 2318-21	2.3	6
23	A Concise, High Yield Synthesis of the Selective ECE-Inhibitor, CGS 35066. <i>Synthetic Communications</i> , 2004 , 34, 775-782	1.7	5
22	A Xanthone Dixylopyranoside from <i>Swertia thomsonii</i> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002 , 57, 122-126	1	5
21	Antipyretic activity of decoction of Joshanda and its saponin and sterol contents: validation in an animal-based model. <i>Journal of Evidence-Based Complementary & Alternative Medicine</i> , 2014 , 19, 99-103		4
20	Efficacy of glycoconjugated dinitroanilines against <i>Cryptosporidium parvum</i> . <i>Journal of Eukaryotic Microbiology</i> , 2003 , 50 Suppl, 550-2	3.6	4
19	Antibacterial and Antifungal Studies of the Crude Extract and Solvent Fractions of <i>Onosma khyberianum</i> . <i>Pharmacologia</i> , 2013 , 4, 525-528		4
18	In vitro biological activity of decoction of Joshanda. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2014 , 27, 239-43	0.4	4
17	FIViz: Forensics Investigation through Visualization for Malware in Internet of Things. <i>Sustainability</i> , 2020 , 12, 7262	3.6	3
16	The medicinal plants in the control of tuberculosis: Laboratory study on medicinal plants from the Northern Area of Pakistan. <i>International Journal of Mycobacteriology</i> , 2017 , 6, 102-105	0.9	3
15	Core-Proteomics-Based Annotation of Antigenic Targets and Reverse-Vaccinology-Assisted Design of Ensemble Immunogen against the Emerging Nosocomial Infection-Causing Bacterium .. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 19,	4.6	3
14	The Effect of Extract/Fractions of on Blood Glucose Levels and Body Weight in Alloxan-Induced Diabetic Rabbits. <i>Journal of Evidence-Based Complementary & Alternative Medicine</i> , 2014 , 19, 195-199		2
13	Two New Triterpenoids from <i>Zygophyllum eurypterum</i> . <i>Natural Product Communications</i> , 2011 , 6, 1934578X1100600		2
12	Biological and phytochemical studies on corms of <i>Colchicum luteum</i> Baker. <i>Journal of Medicinal Plants Research</i> , 2011 , 5,	0.6	2
11	Biofunctional Beverage: Antihyperglycemic Effect of Green Tea in Alloxan Induced Diabetic Rabbits. <i>Current Bioactive Compounds</i> , 2019 , 15, 120-124	0.9	2
10	Photo-degradation, Thermodynamic and Kinetic study of Carcinogenic Dyes via Zinc Oxide/Graphene oxide Nanocomposites. <i>Journal of Materials Research and Technology</i> , 2021 ,	5.5	2
9	Eco-friendly synthesis of silver nanoparticles and its biological evaluation using <i>Tamarix aphylla</i> leaves extract. <i>Materials Technology</i> , 1-8	2.1	1
8	The application of aluminium phthalocyanine ALPs-4-mediated photodynamic therapy against human soft tissue sarcoma (RMS) cell line. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021 , 25, 102-119	1.8	1
7	The Anticholinesterase Activity of Three Local Food Spices and Their Anti-Alzheimer Application. <i>Current Nutraceuticals</i> , 2021 , 2, 71-77	0.7	1

6	Antihyperglycemic effect of Persea duthieion blood glucose levels and body weight in alloxan induced diabetic rabbits. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2016 , 29, 837-42	0.4	1
5	Highly efficient and recoverable Ag-Cu bimetallic catalyst supported on taro-rhizome powder applied for nitroarenes and dyes reduction. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 769-787	5.5	1
4	Inhibition on Urease and Thermal Induced Protein Denaturation of commonly used Antiulcer Herbal Products. Study based on in-vitro assays. <i>Pharmacognosy Journal</i> , 2015 , 7, 147-151	1.6	
3	Synthesis, Structural Characterization, and Evaluation of the Biological Properties of Heteroleptic Palladium(II) Complexes. <i>Bioinorganic Chemistry and Applications</i> , 2014 , 2014, 916361	4.2	
2	Isolation and structure elucidation of a new oleanane type glycoside from the aerial portion of <i>Cestrum nocturnum</i> . <i>Bulletin of the Chemical Society of Ethiopia</i> , 2020 , 34, 141-148	1.2	
1	Green synthesis of manganese-doped superparamagnetic iron oxide nanoparticles for the effective removal of Pb(ii) from aqueous solutions. <i>Green Processing and Synthesis</i> , 2022 , 11, 287-305	3.9	