

Azmat Ali Khan

List of Publications by Year in descending order

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74
papers

1,430
citations

331259

21
h-index

395343

33
g-index

76
all docs

76
docs citations

76
times ranked

1892
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective and fast adsorptive removal of toxic cationic dye (MB) from aqueous medium using amino-functionalized magnetic multiwall carbon nanotubes. <i>Journal of Molecular Liquids</i> , 2019, 282, 154-161.	2.3	124
2	Evaluation of Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) for Poorly Water-Soluble Talinolol: Preparation, in vitro and in vivo Assessment. <i>Frontiers in Pharmacology</i> , 2019, 10, 459.	1.6	84
3	Microfluidic paper device for rapid detection of aflatoxin B1 using an aptamer based colorimetric assay. <i>RSC Advances</i> , 2020, 10, 11843-11850.	1.7	62
4	Interaction of an abiraterone with calf thymus DNA: Investigation with spectroscopic technique and modelling studies. <i>Bioorganic Chemistry</i> , 2020, 100, 103957.	2.0	61
5	Antimicrobial activity of clove oil and its potential in the treatment of vaginal candidiasis. <i>Journal of Drug Targeting</i> , 2005, 13, 555-561.	2.1	47
6	In vitro evaluation of cytotoxicity, possible alteration of apoptotic regulatory proteins, and antibacterial activity of synthesized copper oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 320-326.	2.5	47
7	A highly porous nanocomposite (Fe ₃ O ₄ @BFR) for the removal of toxic Cd(II) ions from aqueous environment: Adsorption modelling and regeneration study. <i>Composites Part B: Engineering</i> , 2019, 172, 179-185.	5.9	44
8	Fabrication of microfluidic device for Aflatoxin M1 detection in milk samples with specific aptamers. <i>Scientific Reports</i> , 2020, 10, 4627.	1.6	37
9	Interaction Characterization of a Tyrosine Kinase Inhibitor Erlotinib with a Model Transport Protein in the Presence of Quercetin: A Drug-Protein and Drug-Drug Interaction Investigation Using Multi-Spectroscopic and Computational Approaches. <i>Molecules</i> , 2022, 27, 1265.	1.7	37
10	Synthesis and characterization of 2-substituted benzimidazoles and their evaluation as anticancer agent. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 286-291.	2.0	36
11	Effect of cations and anions of ionic liquids on the stability and activity of lysozyme: Concentration and temperature effect. <i>Journal of Molecular Liquids</i> , 2018, 272, 253-263.	2.3	36
12	Design and structural studies of diimine/CdX ₂ (X=Cl, I) complexes based on 2,2-dimethyl-1,3-diaminopropane ligand. <i>Journal of Molecular Structure</i> , 2014, 1062, 167-173.	1.8	35
13	Therapeutic potential of functionalized siRNA nanoparticles on regression of liver cancer in experimental mice. <i>Scientific Reports</i> , 2019, 9, 15825.	1.6	34
14	Preparation, characterizations and in vitro cytotoxic activity of nickel oxide nanoparticles on HT-29 and SW620 colon cancer cell lines. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 52, 12-17.	1.5	33
15	Evaluation of Transition Metal Complexes of Benzimidazole-Derived Scaffold as Promising Anticancer Chemotherapeutics. <i>Molecules</i> , 2018, 23, 1232.	1.7	32
16	Pomegranate peel induced biogenic synthesis of silver nanoparticles and their multifaceted potential against intracellular pathogen and cancer. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4191-4200.	1.8	31
17	Molecular modeling and analysis of hepatitis E virus (HEV) papain-like cysteine protease. <i>Virus Research</i> , 2014, 179, 220-224.	1.1	29
18	Design, Synthesis, and Biological Evaluation of Benzimidazole-Derived Biocompatible Copper(II) and Zinc(II) Complexes as Anticancer Chemotherapeutics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1492.	1.8	28

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19	Formulation Development, In Vitro and In Vivo Evaluation of Topical Hydrogel Formulation of Econazole Nitrate-Loaded β -Cyclodextrin Nanosponges. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3702-3714.	1.6	27
20	Interaction and esterase activity of albumin serums with orphenadrine: A spectroscopic and computational approach. <i>Journal of Molecular Structure</i> , 2021, 1239, 130522.	1.8	27
21	Expression Pattern and Prognostic Significance of Chemokines in Breast cancer: An Integrated Bioinformatics Analysis. <i>Clinical Breast Cancer</i> , 2022, 22, 567-578.	1.1	26
22	Synthesis and characterization of novel PUFA esters exhibiting potential anticancer activities: An in vitro study. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4878-4886.	2.6	24
23	Design, synthesis and in vitro anticancer evaluation of a stearic acid-based ester conjugate. <i>Anticancer Research</i> , 2013, 33, 2517-24.	0.5	21
24	Association Mechanism and Conformational Changes in Trypsin on Its Interaction with Atrazine: A Multi-Spectroscopic and Biochemical Study with Computational Approach. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5636.	1.8	21
25	Targeted nano-delivery of novel omega-3 conjugate against hepatocellular carcinoma: Regulating COX-2/bcl-2 expression in an animal model. <i>Biomedicine and Pharmacotherapy</i> , 2016, 81, 394-401.	2.5	20
26	Synthesis and Characterization of Novel ω Fatty Acid Conjugates Possessing Antineoplastic Properties. <i>Lipids</i> , 2012, 47, 973-986.	0.7	19
27	HPLC method with monolithic column for simultaneous determination of irbesartan and hydrochlorothiazide in tablets. <i>Acta Pharmaceutica</i> , 2014, 64, 187-198.	0.9	19
28	Influence of Zn on magnetocaloric effect in (0.95)La _{0.7} Sr _{0.3} MnO ₃ /Ni ^x Zn _x Fe ₂ O ₄ ceramic composites. <i>Materials Research Bulletin</i> , 2015, 69, 41-45.	2.7	19
29	Restrained management of copper level enhances the antineoplastic activity of imatinib in vitro and in vivo. <i>Scientific Reports</i> , 2018, 8, 1682.	1.6	17
30	Codon Usage Analysis of Pro-Apoptotic Bim Gene Isoforms. <i>Journal of Alzheimer's Disease</i> , 2022, 86, 1711-1725.	1.2	17
31	Anticancer efficacy of a novel propofol ω linoleic acid-loaded escheriosomal formulation against murine hepatocellular carcinoma. <i>Nanomedicine</i> , 2013, 8, 1281-1294.	1.7	16
32	Comparative anticancer and antimicrobial activity of aerial parts of <i>Acacia salicina</i> , <i>Acacia laeta</i> , <i>Acacia hamulosa</i> and <i>Acacia tortilis</i> grown in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 1248-1252.	1.2	15
33	Interspecies Anticancer and Antimicrobial Activities of Genus <i>Solanum</i> and Estimation of Rutin by Validated UPLC-PDA Method. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-13.	0.5	15
34	Novel sulindac derivatives: synthesis, characterisation, evaluation of antioxidant, analgesic, anti-inflammatory, ulcerogenic and COX-2 inhibition activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 921-934.	2.5	15
35	Pro-apoptotic activity of nano-escheriosome based oleic acid conjugate against 7,12-dimethylbenz(a)anthracene (DMBA) induced cutaneous carcinogenesis. <i>Biomedicine and Pharmacotherapy</i> , 2017, 90, 295-302.	2.5	14
36	Photoremediation of methylene blue by biosynthesized ZnO/Fe ₃ O ₄ nanocomposites using <i>Callistemon viminalis</i> leaves aqueous extract: A comparative study. <i>Nanotechnology Reviews</i> , 2021, 10, 1912-1925.	2.6	14

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37	Targeting HER-2 over expressed breast cancer cells with 2-cyclohexyl-N-[(Z)-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Chemistry Letters, 2015, 25, 83-87.	1.0	13
38	Synthesis of Novel Sulfamethaoxazole 4-Thiazolidinone Hybrids and Their Biological Evaluation. Molecules, 2020, 25, 3570.	1.7	13
39	Role ofÂfusogenic non-PC liposomes inÂelicitation ofÂprotective immune response againstÂexperimental murine salmonellosis. Biochimie, 2006, 88, 1391-1400.	1.3	12
40	Efficacy of amoxicillin bearing microsphere formulation in treatment of <i>Listeria monocytogenes</i> infection in Swiss albino mice. Journal of Drug Targeting, 2010, 18, 45-52.	2.1	12
41	<p>Synthesis and antihepatotoxic activity of dihydropyrimidinone derivatives linked with 1,4-benzodioxane</p>. Drug Design, Development and Therapy, 2019, Volume 13, 2393-2404.	2.0	12
42	Vaccine potential of cytosolic proteins loaded fibrin microspheres of Cryptococcus neoformans in BALB/c mice. Journal of Drug Targeting, 2012, 20, 453-466.	2.1	11
43	Antifungal efficacy of amphotericin B encapsulated fibrin microsphere for treating Cryptococcus neoformans infection in Swiss albino mice. Brazilian Journal of Infectious Diseases, 2016, 20, 342-348.	0.3	11
44	Potential cytotoxicity of silver nanoparticles: Stimulation of autophagy and mitochondrial dysfunction in cardiac cells. Saudi Journal of Biological Sciences, 2021, 28, 2762-2771.	1.8	10
45	Antifungal Cationic Nanoemulsion Ferrying Miconazole Nitrate with Synergism to Control Fungal Infections: <i>In Vitro</i>, <i>Ex Vivo</i>, and <i>In Vivo</i> Evaluations. ACS Omega, 2022, 7, 13343-13353.	1.6	10
46	Characterization of fenugreek and its natural compounds targeting AKT-1 protein in cancer: Pharmacophore, virtual screening, and MD simulation techniques. Journal of King Saud University - Science, 2022, 34, 102186.	1.6	10
47	Additive potential of combination therapy against cryptococcosis employing a novel amphotericin B and fluconazole loaded dual delivery system. European Journal of Pharmaceutical Sciences, 2018, 119, 171-178.	1.9	9
48	Beneficial Effects of Anticoagulants on the Clinical Outcomes of COVID-19 Patients. Antibiotics, 2021, 10, 1394.	1.5	8
49	Lead Optimization of 2-Cyclohexyl-N-[(Z)-(3-methoxyphenyl/3-hydroxyphenyl) methylidene]hydrazinecarbothioamides for Targeting the HER-2 Overexpressed Breast Cancer Cell Line SKBr-3. Molecules, 2015, 20, 18246-18263.	1.7	7
50	Inter-kingdom prediction certainty evaluation of protein subcellular localization tools: microbial pathogenesis approach for deciphering host microbe interaction. Briefings in Bioinformatics, 2016, 19, bbw093.	3.2	7
51	[Et3NH][HSO4]-mediated efficient synthesis of novel xanthene derivatives and their biological evaluation. Journal of Saudi Chemical Society, 2020, 24, 425-433.	2.4	7
52	Chitosan-coated poly (lactico-glycolide) nanoparticles for dual delivery of doxorubicin and naringin against MCF-7 cells. Journal of Drug Delivery Science and Technology, 2022, 68, 103036.	1.4	7
53	Molecular Diagnostic of Ochratoxin A With Specific Aptamers in Corn and Groundnut via Fabrication of a Microfluidic Device. Frontiers in Nutrition, 2022, 9, 851787.	1.6	7
54	A Facile One-â€Pot Synthesis and Anticancer Evaluation of Novel Substituted 1,2,4,6-Dihydropyridine and 1,2,3,4-tetrahydropyrimidine Analogues. Journal of Heterocyclic Chemistry, 2016, 53, 377-382.	1.4	6

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55	New constituents triterpene ester and sugar derivatives from <i>Panax ginseng</i> Meyer and their evaluation of antioxidant activities. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 801-812.	1.2	6
56	Hepatitis B virus precore G1896A mutation in chronic liver disease patients with HBeAg negative serology from North India. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 1257-1262.	1.8	6
57	Effect of some plants' extracts used in Sudanese folkloric medicines on carrageenan-induced inflammation. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015, 28, 159-65.	0.2	6
58	Determination of anticancer potential of a novel pharmacologically active thiosemicarbazone derivative against colorectal cancer cell lines. <i>Saudi Pharmaceutical Journal</i> , 2022, 30, 815-824.	1.2	6
59	Elucidating the role of silicon dioxide and titanium dioxide nanoparticles in mitigating the disease of the eggplant caused by <i>Phomopsis vexans</i> , <i>Ralstonia solanacearum</i> , and root-knot nematode <i>Meloidogyne incognita</i> . <i>Nanotechnology Reviews</i> , 2022, 11, 1606-1619.	2.6	6
60	Fungal biofilm inhibition by piperazine-sulphonamide linked Schiff bases: Design, synthesis, and biological evaluation. <i>Archiv Der Pharmazie</i> , 2018, 351, e1700354.	2.1	5
61	Role of Therapeutic Plasmapheresis in SARS-CoV-2 Induced Cytokine Release Syndrome: A Retrospective Cohort Study on COVID-19 Patients. <i>International Journal of General Medicine</i> , 2022, Volume 15, 4907-4916.	0.8	5
62	Biophysical Interactions of Novel Oleic Acid Conjugate and its Anticancer Potential in HeLa Cells. <i>Journal of Fluorescence</i> , 2015, 25, 519-525.	1.3	4
63	Biophysical interactions, docking studies and cytotoxic potential of a novel propofol-linolenate: a multi-technique approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2389-2401.	2.0	4
64	One-Pot Synthesis of Benzopyrano-Pyrimidine Derivatives Catalyzed by P-Toluene Sulphonic Acid and Their Nematicidal and Molecular Docking Study. <i>Catalysts</i> , 2022, 12, 531.	1.6	4
65	Synthesis, Physico-Chemical and Antimicrobial Studies of Ionic Liquid. <i>Asian Journal of Chemistry</i> , 2014, 26, 887-890.	0.1	3
66	Enhanced Efficacy of Thiosemicarbazone Derivative-Encapsulated Fibrin Liposomes against Candidiasis in Murine Model. <i>Pharmaceutics</i> , 2021, 13, 333.	2.0	3
67	Production and Characterization of Cross-Linked Aggregates of <i>Geobacillus thermoleovorans</i> CCR11 Thermoalkaliphilic Recombinant Lipase. <i>Molecules</i> , 2021, 26, 7569.	1.7	3
68	Ketoconazole-Loaded Cationic Nanoemulsion: <i>In Vitro</i> <i>Ex Vivo</i> <i>In Vivo</i> Evaluations to Control Cutaneous Fungal Infections. <i>ACS Omega</i> , 2022, 7, 20267-20279.	1.6	3
69	Characterization and Anticancer Potential of Newly Synthesized Propofol Conjugates. <i>Asian Journal of Chemistry</i> , 2014, 26, 2773-2780.	0.1	2
70	Quantification of Physiologically Available Glycyrrhizin in Anti-Stress Herbal Formulations by Validated HPTLC Method. <i>Asian Journal of Chemistry</i> , 2014, 26, 874-878.	0.1	2
71	Interspecies estimation of β -sitosterol by a validated high-performance thin-layer chromatography method in genus <i>Ficus</i> and cytotoxic activity against HepG2, HEK-293, MCF-7, and MDA-MB-231 cell lines. <i>Journal of Planar Chromatography - Modern TLC</i> , 2018, 31, 213-219.	0.6	2
72	A Validated, Rapid and Cost-Efficient HPTLC Method for Quantification of Gamma-Linolenic Acid in Borage Oil and Evaluation of Antioxidant Activity. <i>Journal of Chromatographic Science</i> , 2022, 60, 364-371.	0.7	2

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73	Synthesis, molecular modelling and antibacterial activity of 4-aryl-thiosemicarbazides. Polish Journal of Chemical Technology, 2022, 24, 39-46.	0.3	0
74	Risk of Malignancy in Breast FNAB Categories, Classified According to the Newly Proposed International Academy of Cytology (IAC) Yokohama System. Cancer Management and Research, 2022, Volume 14, 1693-1701.	0.9	0