

Obaid Afzal

List of Publications by Year in descending order

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68
papers

1,537
citations

430754

18
h-index

330025

37
g-index

70
all docs

70
docs citations

70
times ranked

2313
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on anticancer potential of bioactive heterocycle quinoline. <i>European Journal of Medicinal Chemistry</i> , 2015, 97, 871-910.	2.6	595
2	Antidepressant potential of nitrogen-containing heterocyclic moieties: An updated review. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2011, 3, 194.	0.2	77
3	Anti-diabetic potential of ursolic acid stearyl glucoside: A new triterpenic glycosidic ester from <i>Lantana camara</i> . <i>FÄ-toterapÄ-Äç</i> , 2012, 83, 142-146.	1.1	64
4	Anti-inflammatory and analgesic potential of a novel steroidal derivative from <i>Bryophyllum pinnatum</i> . <i>FÄ-toterapÄ-Äç</i> , 2012, 83, 853-858.	1.1	61
5	Carbon nanotubes as an emerging nanocarrier for the delivery of doxorubicin for improved chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112044.	2.5	51
6	Synthesis and pharmacological evaluation of pyrazolo[4,3-c]cinnoline derivatives as potential anti-inflammatory and antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2012, 57, 176-184.	2.6	46
7	Drug Delivery Challenges and Current Progress in Nanocarrier-Based Ocular Therapeutic System. <i>Gels</i> , 2022, 8, 82.	2.1	41
8	A review on epidermal growth factor receptor's role in breast and non-small cell lung cancer. <i>Chemico-Biological Interactions</i> , 2022, 351, 109735.	1.7	37
9	Design and synthesis of pyrimidine molecules endowed with thiazolidin-4-one as new anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 630-645.	2.6	36
10	Discovery of anti-MERS-CoV small covalent inhibitors through pharmacophore modeling, covalent docking and molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2021, 330, 115699.	2.3	35
11	<p>Cationic Solid Lipid Nanoparticles of Resveratrol for Hepatocellular Carcinoma Treatment: Systematic Optimization, in vitro Characterization and Preclinical Investigation</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9283-9299.	3.3	33
12	Neuroprotective role of chrysinâ€loaded poly(lacticâ€coâ€glycolic acid) nanoparticle against kindlingâ€induced epilepsy through Nrf2/ARE/HOâ€1 pathway. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22634.	1.4	28
13	Development of 2â€(Substituted Benzylamino)â€4â€Methylâ€1, 3â€Thiazoleâ€5â€Carboxylic Acid Derivatives as Xanthine Oxidase Inhibitors and Free Radical Scavengers. <i>Chemical Biology and Drug Design</i> , 2016, 87, 508-516.	1.5	26
14	Docking based virtual screening and molecular dynamics study to identify potential monoacylglycerol lipase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3986-3996.	1.0	25
15	Nuclear factor-kappa B (NF-Î®B) inhibition as a therapeutic target for plant nutraceuticals in mitigating inflammatory lung diseases. <i>Chemico-Biological Interactions</i> , 2022, 354, 109842.	1.7	24
16	Gut Microbiota Disruption in COVID-19 or Post-COVID Illness Association with severity biomarkers: A Possible Role of Pre / Pro-biotics in manipulating microflora. <i>Chemico-Biological Interactions</i> , 2022, 358, 109898.	1.7	22
17	Edaravone and benidipine protect myocardial damage by regulating mitochondrial stress, apoptosis signalling and cardiac biomarkers against doxorubicin-induced cardiotoxicity. <i>Clinical and Experimental Hypertension</i> , 2020, 42, 381-392.	0.5	20
18	Hit to lead optimization of a series of N-[4-(1,3-benzothiazol-2-yl)phenyl]acetamides as monoacylglycerol lipase inhibitors with potential anticancer activity. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 318-330.	2.6	18

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19	Systematic development of lectin conjugated microspheres for nose-to-brain delivery of rivastigmine for the treatment of Alzheimer's disease. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111829.	2.5	18
20	Phytosterol-Loaded Surface-Tailored Bioactive-Polymer Nanoparticles for Cancer Treatment: Optimization, In Vitro Cell Viability, Antioxidant Activity, and Stability Studies. <i>Gels</i> , 2022, 8, 219.	2.1	17
21	ContPro: A web tool for calculating amino acid contact distances in protein from 3D -structures at different distance threshold. <i>Bioinformatics</i> , 2010, 5, 55-57.	0.2	16
22	2-Benzamido-4-methylthiazole-5-carboxylic Acid Derivatives as Potential Xanthine Oxidase Inhibitors and Free Radical Scavengers. <i>Archiv Der Pharmazie</i> , 2017, 350, 1600313.	2.1	15
23	Systematic Development and Validation of a RP-HPLC Method for Estimation of Abiraterone Acetate and its Degradation Products. <i>Journal of Chromatographic Science</i> , 2021, 59, 79-87.	0.7	10
24	Anti-Arthritic and Anti-Inflammatory Potential of <i>Spondias mangifera</i> Extract Fractions: An In Silico, In Vitro and In Vivo Approach. <i>Plants</i> , 2021, 10, 825.	1.6	10
25	Systematic development of a bioanalytical UPLC-MS/MS method for estimation of risperidone and its active metabolite in long-acting microsphere formulation in rat plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1160, 122433.	1.2	9
26	Inhibition of Chikungunya Virus Infection by 4-Hydroxy-1-Methyl-3-(3-morpholinopropanoyl)quinoline-2(1 <i>H</i>)-one (QVIR) Targeting nsP2 and E2 Proteins. <i>ACS Omega</i> , 2021, 6, 9791-9803.	1.6	9
27	Analgesic and Anticancer Activity of Benzoxazole Clubbed 2-Pyrrolidinones as Novel Inhibitors of Monoacylglycerol Lipase. <i>Molecules</i> , 2021, 26, 2389.	1.7	9
28	Application of green nanoemulsion to treat contaminated water (bulk aqueous solution) with azithromycin. <i>Environmental Science and Pollution Research</i> , 2021, 28, 61696-61706.	2.7	9
29	Mechanisms Involved in Microglial-Interceded Alzheimer's Disease and Nanocarrier-Based Treatment Approaches. <i>Journal of Personalized Medicine</i> , 2021, 11, 1116.	1.1	9
30	EGF-functionalized lipid-polymer hybrid nanoparticles of 5-fluorouracil and sulforaphane with enhanced bioavailability and anticancer activity against colon carcinoma. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 2205-2221.	1.4	9
31	Preferential Solvation Study of the Synthesized Aldose Reductase Inhibitor (SE415) in the {PEG 400 (1) + Water (2)} Cosolvent Mixture and GastroPlus-Based Prediction. <i>ACS Omega</i> , 2022, 7, 1197-1210.	1.6	9
32	A RGR Peptide-Tethered Lipid-Polymer Hybrid Nanocarrier-Based Synergistic Approach for Effective Tumor Therapy: Development, Characterization, Ex-Vivo, and In-Vivo Assessment. <i>Pharmaceutics</i> , 2022, 14, 1401.	2.0	9
33	Diosmin-loaded solid nanoparticles as nano-antioxidant therapy for management of hepatocellular carcinoma: QbD-based optimization, in vitro and in vivo evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102213.	1.4	8
34	Novel and Potential Small Molecule Scaffolds as DYRK1A Inhibitors by Integrated Molecular Docking-Based Virtual Screening and Dynamics Simulation Study. <i>Molecules</i> , 2022, 27, 1159.	1.7	8
35	Antimicrobial screening and one-pot synthesis of 4-(substituted-anilinomethyl)-3-(2-naphthyl)-1-phenyl-1H-pyrazole derivatives. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2014, 6, 253.	0.2	7
36	Cardioprotective Effect of Tangeretin by Inhibiting PTEN/AKT/mTOR Axis in Experimental Sepsis-Induced Myocardial Dysfunction. <i>Molecules</i> , 2020, 25, 5622.	1.7	7

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37	Pyrrrolidinone linked benzofused heterocycles as novel small molecule monoacylglycerol lipase inhibitors and antinociceptive agents. <i>Chemical Biology and Drug Design</i> , 2020, 96, 1418-1432.	1.5	7
38	BENZIMIDAZOLE MOLECULE HYBRID WITH OXADIAZOLE RING AS ANTIPROLIFERATIVE AGENTS: IN-SILICO ANALYSIS, SYNTHESIS AND BIOLOGICAL EVALUATION. <i>Journal of the Chilean Chemical Society</i> , 2021, 66, 5164-5182.	0.5	7
39	Nano lipidic carriers for codelivery of sorafenib and ganoderic acid for enhanced synergistic antitumor efficacy against hepatocellular carcinoma. <i>Saudi Pharmaceutical Journal</i> , 2021, 29, 843-856.	1.2	7
40	Design, Synthesis and Evaluation of Novel 2-piperidinyl Quinoline Chalcones/ Amines as Potential Antidepressant Agents. <i>Letters in Drug Design and Discovery</i> , 2013, 10, 75-85.	0.4	7
41	Potential Efficacy of β -Amyrin Targeting Mycobacterial Universal Stress Protein by In Vitro and In Silico Approach. <i>Molecules</i> , 2022, 27, 4581.	1.7	7
42	Hansen solubility parameters and green nanocarrier based removal of trimethoprim from contaminated aqueous solution. <i>Journal of Molecular Liquids</i> , 2022, 361, 119657.	2.3	6
43	Computational screening of natural and natural-like compounds to identify novel ligands for sigma-2 receptor. <i>SAR and QSAR in Environmental Research</i> , 2020, 31, 837-856.	1.0	5
44	Crotamiton-loaded tea tree oil containing phospholipid-based microemulsion hydrogel for scabies treatment: <i>in vitro</i> , <i>in vivo</i> evaluation, and dermatokinetic studies. <i>Drug Delivery</i> , 2021, 28, 1972-1981.	2.5	5
45	Development and validation of a new UPLC-MS/MS method for quantification of ganoderic acid-A loaded nanolipidic carrier in rat plasma and application to pharmacokinetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1163, 122501.	1.2	5
46	Development and Validation of Chemometrics-Assisted Green UPLC-MS/MS Bioanalytical Method for Simultaneous Estimation of Capecitabine and Lapatinib in Rat Plasma. <i>Journal of Chromatographic Science</i> , 2021, , .	0.7	5
47	Biocompatible solvent selection based on thermodynamic and computational solubility models, <i>in-silico</i> GastroPlus prediction, and cellular studies of ketoconazole for subcutaneous delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 65, 102699.	1.4	5
48	Implications of phospholipid-based nanomixed micelles of olmesartan medoxomil with enhanced lymphatic drug targeting ability and systemic bioavailability. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 62, 102273.	1.4	4
49	In-vitro antimicrobial screening and molecular docking studies of synthesized 2-chloro-N-(4-phenylthiazol-2-yl)acetamide derivatives. <i>Drug Development and Therapeutics</i> , 2015, 6, 79.	0.3	4
50	Thymoquinone Induced Leishmanicidal Effect via Programmed Cell Death in <i>Leishmania donovani</i> . <i>ACS Omega</i> , 2022, 7, 10718-10728.	1.6	4
51	Enhanced Brain Delivery via Intranasal Administration of Carbamazepine Loaded Solid Lipid Nanoparticles: Optimization, Pharmacokinetic Analysis, In-vitro, and In-vivo Drug Release Study. <i>Current Drug Delivery</i> , 2023, 20, 587-600.	0.8	4
52	Impact of Composition and Morphology of Ketoconazole-Loaded Solid Lipid Nanoparticles on Intestinal Permeation and Gastroplus-Based Prediction Studies. <i>ACS Omega</i> , 2022, 7, 22406-22420.	1.6	4
53	N β -[2-(Piperidin-1-yl)quinolin-3-yl]methylene}pyridine-4-carbohydrazide. <i>MolBank</i> , 2012, 2012, M748.	0.2	3
54	Development of a Validated Bioanalytical UPLC-MS/MS Method for Quantification of Neratinib: A Recent Application to Pharmacokinetic Studies in Rat Plasma. <i>Journal of Chromatographic Science</i> , 2021, , .	0.7	3

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55	Development of Thiazole-5-carboxylate Derivatives as Selective Inhibitors of Monoacylglycerol Lipase as Target in Cancer. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019, 19, 410-423.	1.1	3
56	Water/transcutol/lecithin/M ⁸¹² green cationic nanoemulsion to treat oxytetracycline contaminated aqueous bulk solution. <i>Journal of Molecular Liquids</i> , 2022, 357, 119154.	2.3	3
57	Pyrazole incorporated 1,2-diazanaphthalene derivatives: Synthesis and in-vivo pharmacological screening as anti-inflammatory and analgesic agents. <i>African Journal of Pharmacy and Pharmacology</i> , 2012, 6, .	0.2	2
58	Preferential solvation study of co-solvent mixture and GastroPlus software based in vitro simulation. <i>Journal of Molecular Liquids</i> , 2022, 349, 118491.	2.3	2
59	3D-QSAR study of benzotriazol-1-yl carboxamide scaffold as monoacylglycerol lipase inhibitors. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2014, 6, 260.	0.2	1
60	Cationic self-nanoemulsifying formulations of tamoxifen with improved biopharmaceutical attributes and anticancer activity: Systematic development and evaluation. <i>Journal of Molecular Liquids</i> , 2020, 320, 114534.	2.3	1
61	Eco-friendly stability-indicating RP-HPTLC method for sildenafil analysis, characterization and biological evaluation of its oxidized stress degradation product. <i>Scientific Reports</i> , 2021, 11, 15358.	1.6	1
62	Fabrication of Membrane Sensitive Electrodes for the Validated Electrochemical Quantification of Anti-Osteoporotic Drug Residues in Pharmaceutical Industrial Wastewater. <i>Molecules</i> , 2021, 26, 5093.	1.7	1
63	UPLC-MS/MS Method Validation for Estimation of Resveratrol in Rat Skin from Liposphere Gel Formulation and Its Application to Dermatokinetic Studies in Rats. <i>Journal of Chromatographic Science</i> , 2021, , .	0.7	1
64	Ultrasonic-Mediated Green Synthesis of Novel S-Arylated-Pyridopyrimidines and Antimicrobial Evaluation against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Polycyclic Aromatic Compounds</i> , 0, , 1-8.	1.4	1
65	Additive Manufacturing and Printing Approaches for the Development of Pharmaceutical Dosage Forms with Improved Biopharmaceutical Attributes. <i>Current Drug Metabolism</i> , 2022, 23, 616-629.	0.7	1
66	1-(8-Chloro-3-methyl-1H-pyrazolo[4,3-c]cinnolin-1-yl)-2-(2-chlorophenyl)ethanone. <i>MolBank</i> , 2011, 2011, M744.	0.2	0
67	Synthesis and Antitubercular Screening of [(2-Chloroquinolin-3-yl)methyl] Thiocarbamide Derivatives. <i>Chemical Biology and Drug Design</i> , 2014, 84, 522-530.	1.5	0
68	Structure prediction of SPAK C-terminal domain and analysis of its binding to RFXV/I motifs by homology modelling, docking, and molecular dynamics simulation studies. <i>Current Computer-Aided Drug Design</i> , 2020, 16, 666-675.	0.8	0