

Mohammed A S Abourehab

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,219
citations

361296

20
h-index

454834

30
g-index

69
all docs

69
docs citations

69
times ranked

884
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyaluronic acid decorated tacrolimus-loaded nanoparticles: Efficient approach to maximize dermal targeting and anti-dermatitis efficacy. <i>Carbohydrate Polymers</i> , 2018, 197, 478-489.	5.1	83
2	Cell membrane cloaked nanomedicines for bio-imaging and immunotherapy of cancer: Improved pharmacokinetics, cell internalization and anticancer efficacy. <i>Journal of Controlled Release</i> , 2021, 335, 130-157.	4.8	69
3	Globally Approved EGFR Inhibitors: Insights into Their Syntheses, Target Kinases, Biological Activities, Receptor Interactions, and Metabolism. <i>Molecules</i> , 2021, 26, 6677.	1.7	69
4	Design and development of novel hyaluronate-modified nanoparticles for combo-delivery of curcumin and alendronate: fabrication, characterization, and cellular and molecular evidences of enhanced bone regeneration. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 1268-1281.	3.6	58
5	Self-assembled biodegradable polymeric micelles to improve dapoxetine delivery across the blood–brain barrier. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3679-3687.	3.3	50
6	Optimization of pyrrolizine-based Schiff bases with 4-thiazolidinone motif: Design, synthesis and investigation of cytotoxicity and anti-inflammatory potency. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111780.	2.6	42
7	New developments and clinical transition of hyaluronic acid-based nanotherapeutics for treatment of cancer: reversing multidrug resistance, tumour-specific targetability and improved anticancer efficacy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1-14.	1.9	41
8	Cubosomes as an emerging platform for drug delivery: a review of the state of the art. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2781-2819.	2.9	39
9	Nanoemulgel, an Innovative Carrier for Diflunisal Topical Delivery with Profound Anti-Inflammatory Effect: in vitro and in vivo Evaluation. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1457-1472.	3.3	37
10	Design, synthesis and molecular docking of new fused 1 <i>H</i> -pyrroles, pyrrolo[3,2- <i>d</i>]pyrimidines and pyrrolo[3,2- <i>e</i>][1, 4]diazepine derivatives as potent EGFR/CDK2 inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1884-1902.	2.5	35
11	Applications of Various Types of Nanomaterials for the Treatment of Neurological Disorders. <i>Nanomaterials</i> , 2022, 12, 2140.	1.9	33
12	Identification and characterization of a novel antimicrobial peptide compound produced by <i>Bacillus megaterium</i> strain isolated from oral microflora. <i>Saudi Pharmaceutical Journal</i> , 2018, 26, 1089-1097.	1.2	30
13	Design, Synthesis, and Biological Evaluation of Some Novel Pyrrolizine Derivatives as COX Inhibitors with Anti-Inflammatory/Analgesic Activities and Low Ulcerogenic Liability. <i>Molecules</i> , 2016, 21, 201.	1.7	28
14	Monoolein cubic nanoparticles as novel carriers for docetaxel. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101501.	1.4	28
15	Bacterial cellulose as a potential biopolymer in biomedical applications: a state-of-the-art review. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3199-3241.	2.9	27
16	Pharmacophore-based virtual screening, synthesis, biological evaluation, and molecular docking study of novel pyrrolizines bearing urea/thiourea moieties with potential cytotoxicity and CDK inhibitory activities. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 15-33.	2.5	25
17	Enhancement of the Solubility and Bioavailability of Pitavastatin through a Self-Nanoemulsifying Drug Delivery System (SNEDDS). <i>Pharmaceutics</i> , 2022, 14, 482.	2.0	23
18	Pyrrolizines: Design, synthesis, anticancer evaluation and investigation of the potential mechanism of action. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5637-5651.	1.4	21

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19	Discovery of new pyrimidopyrrolizine/indolizine-based derivatives as P-glycoprotein inhibitors: Design, synthesis, cytotoxicity, and MDR reversal activities. <i>European Journal of Medicinal Chemistry</i> , 2021, 218, 113403.	2.6	21
20	Amelioration of Full-Thickness Wound Using Hesperidin Loaded Dendrimer-Based Hydrogel Bandages. <i>Biosensors</i> , 2022, 12, 462.	2.3	21
21	Ethyl benzoate bearing pyrrolizine/indolizine moieties: Design, synthesis and biological evaluation of anti-inflammatory and cytotoxic activities. <i>Bioorganic Chemistry</i> , 2020, 94, 103371.	2.0	20
22	Sesame Oil-Based Nanostructured Lipid Carriers of Nicergoline, Intranasal Delivery System for Brain Targeting of Synergistic Cerebrovascular Protection. <i>Pharmaceutics</i> , 2021, 13, 581.	2.0	20
23	The Potential of Optimized Liposomes in Enhancement of Cytotoxicity and Apoptosis of Encapsulated Egyptian Propolis on Hep-2 Cell Line. <i>Pharmaceutics</i> , 2021, 13, 2184.	2.0	20
24	Nano-scaled materials may induce severe neurotoxicity upon chronic exposure to brain tissues: A critical appraisal and recent updates on predisposing factors, underlying mechanism, and future prospects. <i>Journal of Controlled Release</i> , 2020, 328, 873-894.	4.8	19
25	Computational Identification of Druggable Bioactive Compounds from <i>Catharanthus roseus</i> and <i>Avicennia marina</i> against Colorectal Cancer by Targeting Thymidylate Synthase. <i>Molecules</i> , 2022, 27, 2089.	1.7	19
26	Bioactive fluorenes. part I. Synthesis, pharmacological study and molecular docking of novel dihydrofolate reductase inhibitors based-2,7-dichlorofluorene. <i>Heliyon</i> , 2019, 5, e01982.	1.4	17
27	Hyaluronic Acid Modified Risedronate and Teriparatide Co-loaded Nanocarriers for Improved Osteogenic Differentiation of Osteoblasts for the Treatment of Osteoporosis. <i>Current Pharmaceutical Design</i> , 2019, 25, 2975-2988.	0.9	15
28	Identification of 3-(piperazinylmethyl)benzofuran derivatives as novel type II CDK2 inhibitors: design, synthesis, biological evaluation, and <i>in silico</i> insights. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1227-1240.	2.5	15
29	Olive Leaves as a Potential Phytotherapy in the Treatment of COVID-19 Disease; A Mini-Review. <i>Frontiers in Pharmacology</i> , 2022, 13, 879118.	1.6	15
30	Intranasal Delivery of Granisetron to the Brain via Nanostructured Cubosomes-Based In Situ Gel for Improved Management of Chemotherapy-Induced Emesis. <i>Pharmaceutics</i> , 2022, 14, 1374.	2.0	14
31	Hyaluronic acid functionalization improves dermal targeting of polymeric nanoparticles for management of burn wounds: In vitro, ex vivo and in vivo evaluations. <i>Biomedicine and Pharmacotherapy</i> , 2022, 150, 112992.	2.5	13
32	Improved Bioavailability of Ebastine through Development of Transfersomal Oral Films. <i>Pharmaceutics</i> , 2021, 13, 1315.	2.0	12
33	Aescin Protects against Experimental Benign Prostatic Hyperplasia and Preserves Prostate Histomorphology in Rats via Suppression of Inflammatory Cytokines and COX-2. <i>Pharmaceutics</i> , 2022, 15, 130.	1.7	12
34	Exosomes Derived from BM-MSCs Mitigate the Development of Chronic Kidney Damage Post-Menopause via Interfering with Fibrosis and Apoptosis. <i>Biomolecules</i> , 2022, 12, 663.	1.8	12
35	Novel pyrrolizines bearing 3,4,5-trimethoxyphenyl moiety: design, synthesis, molecular docking, and biological evaluation as potential multi-target cytotoxic agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1312-1332.	2.5	11
36	Trimethoprim-Sulfamethoxazole (Bactrim) Dose Optimization in <i>Pneumocystis jirovecii</i> Pneumonia (PCP) Management: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2833.	1.2	11

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37	Development and evaluation of alginate-gum blend mucoadhesive microspheres for controlled release of Metformin Hydrochloride. <i>Journal of Advanced Biomedical and Pharmaceutical Sciences</i> , 2021, 4, 111-118.	0.3	10
38	Development and Characterization of Eudragit® EPO-Based Solid Dispersion of Rosuvastatin Calcium to Foresee the Impact on Solubility, Dissolution and Antihyperlipidemic Activity. <i>Pharmaceuticals</i> , 2022, 15, 492.	1.7	10
39	A new green approach for the reduction of consumed solvents and simultaneous quality control analysis of several pharmaceuticals using a fast and economic RP-HPLC method; a case study for a mixture of piracetam, ketoprofen and omeprazole drugs. <i>RSC Advances</i> , 2022, 12, 16301-16309.	1.7	10
40	Azadirachta indica as a Source for Antioxidant and Cytotoxic Polyphenolic Compounds. <i>Biosciences, Biotechnology Research Asia</i> , 2015, 12, 1209-1222.	0.2	9
41	Effect of Imipenem and Amikacin Combination against Multi-Drug Resistant Pseudomonas aeruginosa. <i>Antibiotics</i> , 2021, 10, 1429.	1.5	9
42	Exploitation the unique acidity of novel cerium-tungstate catalysts in the preparation of indole derivatives under eco-friendly acid catalyzed Fischer indole reaction protocol. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103670.	2.3	9
43	Design, synthesis, in vitro antiproliferative evaluation and in silico studies of new VEGFR-2 inhibitors based on 4-piperazinylquinolin-2(1H)-one scaffold. <i>Bioorganic Chemistry</i> , 2022, 120, 105631.	2.0	9
44	Biological Effect of Quercetin in Repairing Brain Damage and Cerebral Changes in Rats: Molecular Docking and In Vivo Studies. <i>BioMed Research International</i> , 2022, 2022, 1-12.	0.9	9
45	Glucosamine-paracetamol spray-dried solid dispersions with maximized intrinsic dissolution rate, bioavailability and decreased levels of in vivo toxic metabolites. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3071-3084.	2.0	8
46	Novasomes as Nano-Vesicular Carriers to Enhance Topical Delivery of Fluconazole: A New Approach to Treat Fungal Infections. <i>Molecules</i> , 2022, 27, 2936.	1.7	8
47	Optimized 2-methoxyestradiol invasomes fortified with apamin: a promising approach for suppression of A549 lung cancer cells. <i>Drug Delivery</i> , 2022, 29, 1536-1548.	2.5	8
48	Solubility and Dissolution Enhancement of Dexibuprofen with Hydroxypropylbetacyclodextrin (HP β CD) and Poloxamers (188/407) Inclusion Complexes: Preparation and In Vitro Characterization. <i>Polymers</i> , 2022, 14, 579.	2.0	7
49	Borophene and Pristine Graphene 2D Sheets as Potential Surfaces for the Adsorption of Electron-Rich and Electron-Deficient I π -Systems: A Comparative DFT Study. <i>Nanomaterials</i> , 2022, 12, 1028.	1.9	7
50	Toward the Identification of Natural Antiviral Drug Candidates against Merkel Cell Polyomavirus: Computational Drug Design Approaches. <i>Pharmaceuticals</i> , 2022, 15, 501.	1.7	7
51	3,7-bis-benzylidene hydrazide ciprofloxacin derivatives as promising antiproliferative dual TOP I & TOP II isomerases inhibitors. <i>Bioorganic Chemistry</i> , 2021, 110, 104698.	2.0	6
52	Novel antimicrobial ciprofloxacin-pyridinium quaternary ammonium salts with improved physicochemical properties and DNA gyrase inhibitory activity. <i>Medicinal Chemistry Research</i> , 2021, 30, 2168-2183.	1.1	6
53	Pyrrrolizine/Indolizine-NSAID Hybrids: Design, Synthesis, Biological Evaluation, and Molecular Docking Studies. <i>Molecules</i> , 2021, 26, 6582.	1.7	6
54	Mesenchymal stem-cells $\text{\textcircled{TM}}$ exosomes are renoprotective in postmenopausal chronic kidney injury via reducing inflammation and degeneration. <i>Free Radical Biology and Medicine</i> , 2022, 182, 150-159.	1.3	6

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55	In Silico Docking, Resistance Modulation and Biofilm Gene Expression in Multidrug-Resistant <i>Acinetobacter baumannii</i> via Cinnamic and Gallic Acids. <i>Antibiotics</i> , 2022, 11, 870.	1.5	6
56	Virtual Screening of Repurposed Drugs as Potential Spike Protein Inhibitors of Different SARS-CoV-2 Variants: Molecular Docking Study. <i>Current Issues in Molecular Biology</i> , 2022, 44, 3018-3029.	1.0	6
57	The Effect of Metformin versus Vitamin E on the Testis of Adult Diabetic Albino Rats: Histological, Biochemical and Immunohistochemistry Study. <i>Advances in Reproductive Sciences</i> , 2018, 06, 113-132.	0.3	5
58	A patent review of anticancer CDK2 inhibitors (2017â€‘present). <i>Expert Opinion on Therapeutic Patents</i> , 2022, 32, 885-898.	2.4	5
59	Utilization of N-bromosuccinimide for the sensitive spectrophotometric determination of pipazethate HCl as antitussive drug in pure and dosage forms. <i>Annales Pharmaceutiques Francaises</i> , 2021, 79, 652-663.	0.4	4
60	External Electric Field Effect on the Strength of π -Hole Interactions: A Theoretical Perspective in Likeâ€‘Like Carbon-Containing Complexes. <i>Molecules</i> , 2022, 27, 2963.	1.7	4
61	Solubility Optimization of Loxoprofen as a Nonsteroidal Anti-Inflammatory Drug: Statistical Modeling and Optimization. <i>Molecules</i> , 2022, 27, 4357.	1.7	4
62	Photochromism of dihydroindolizines. Part XXIV: Exploiting â€œClickâ€‘chemistry strategy in the synthesis of fluorenyldihydroindolizines with multiaddressable photochromic properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 360, 210-223.	2.0	3
63	Antibacterial and Wound-Healing Activities of Statistically Optimized Nitrofurazone- and Lidocaine-Loaded Silica Microspheres by the Boxâ€‘Behnken Design. <i>Molecules</i> , 2022, 27, 2532.	1.7	3
64	2-(3-Bromophenyl)-8-fluoroquinazoline-4-carboxylic Acid as a Novel and Selective Aurora A Kinase Inhibitory Lead with Apoptosis Properties: Design, Synthesis, In Vitro and In Silico Biological Evaluation. <i>Life</i> , 2022, 12, 876.	1.1	3
65	Discovery of Azaindolin-2-One as a Dual Inhibitor of GSK3 β and Tau Aggregation with Potential Neuroprotective Activity. <i>Pharmaceuticals</i> , 2022, 15, 426.	1.7	2
66	Design and Synthesis of New Hydantoin Acetanilide Derivatives as Anti-NSCLC Targeting EGFR L858R/T790M Mutations. <i>Pharmaceuticals</i> , 2022, 15, 857.	1.7	2
67	Preparation and Transformation of Solid Glass Solutions of Clotrimazole to Nanosuspensions with Improved Physicochemical and Antifungal Properties. <i>Journal of Pharmaceutical Innovation</i> , 2022, 17, 1420-1433.	1.1	1
68	Knowledge, Attitudes and Practices of Pharmacogenomics Among Senior Pharmacy Students: A Cross Sectional Study from Punjab, Pakistan. <i>Pharmacogenomics and Personalized Medicine</i> , 0, Volume 15, 429-439.	0.4	1
69	Zein-Stabilized Nanospheres as Nanocarriers for Boosting the Aphrodisiac Activity of Icaritin: Response Surface Optimization and In Vivo Assessment. <i>Pharmaceutics</i> , 2022, 14, 1279.	2.0	1