

# Ahmed Alalaiwe

## 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.

60  
papers

664  
citations

14  
h-index

22  
g-index

65  
ext. papers

999  
ext. citations

5.2  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
60	Preparation of sustained release apremilast-loaded PLGA nanoparticles: in vitro characterization and in vivo pharmacokinetic study in rats. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 1587-1595	7.3	62
59	Use of Lipid Nanocarriers to Improve Oral Delivery of Vitamins. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	46
58	Apoptotic or Antiproliferative Activity of Natural Products against Keratinocytes for the Treatment of Psoriasis. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	37
57	Anticancer Efficacy of Self-Nanoemulsifying Drug Delivery System of Sunitinib Malate. <i>AAPS PharmSciTech</i> , <b>2018</b> , 19, 123-133	3.9	34
56	Synthesis of Gold Nanoparticles by Using Green Machinery: Characterization and In Vitro Toxicity. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	29
55	Synergistic Anti-MRSA Activity of Cationic Nanostructured Lipid Carriers in Combination With Oxacillin for Cutaneous Application. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1493	5.7	28
54	Influence of PEG coating on the oral bioavailability of gold nanoparticles in rats. <i>Drug Delivery</i> , <b>2017</b> , 24, 591-598	7	23
53	The clinical pharmacokinetics impact of medical nanometals on drug delivery system. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 17, 47-61	6	21
52	Solubility, solution thermodynamics and molecular interactions of osimertinib in some pharmaceutically useful solvents. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 284, 53-58	6	21
51	Efficacy of SPG-ODN 1826 Nanovehicles in Inducing M1 Phenotype through TLR-9 Activation in Murine Alveolar J774A.1 Cells: Plausible Nano-Immunotherapy for Lung Carcinoma. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	17
50	Influence of chitosan coating on the oral bioavailability of gold nanoparticles in rats. <i>Saudi Pharmaceutical Journal</i> , <b>2019</b> , 27, 171-175	4.4	17
49	The Droplet-Size Effect Of Squalene@cetylpyridinium Chloride Nanoemulsions On Antimicrobial Potency Against Planktonic And Biofilm MRSA. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 8133-8147	7.3	15
48	Application of design of experiment approach for investigating the effect of partially pre-gelatinized starch on critical quality attributes of rapid orally disintegrating tablets. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 49, 227-234	4.5	15
47	Characteristics and anticancer properties of Sunitinib malate-loaded poly-lactic-co-glycolic acid nanoparticles against human colon cancer HT-29 cells lines. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2018</b> , 17, 1263	0.8	15
46	Cutaneous delivery of [1-(4-chloro-3-nitrobenzenesulfonyl)-1H-indol-3-yl]-methanol, an indole-3-carbinol derivative, mitigates psoriasisform lesion by blocking MAPK/NF- $\kappa$ B/AP-1 activation. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 119, 109398	7.5	14
45	The active compounds derived from <i>Psoralea corylifolia</i> for photochemotherapy against psoriasis-like lesions: The relationship between structure and percutaneous absorption. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 124, 114-126	5.1	14
44	Sustained release and enhanced oral bioavailability of rivaroxaban by PLGA nanoparticles with no food effect. <i>Journal of Thrombosis and Thrombolysis</i> , <b>2020</b> , 49, 404-412	5.1	12

43	Formulation and evaluation of topical nanosponge-based gel containing butenafine for the treatment of fungal skin infection. <i>Saudi Pharmaceutical Journal</i> , <b>2021</b> , 29, 467-477	4.4	12
42	Tackling Virulence of by the Natural Furanone Sotolon. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	12
41	Development of Lipomer Nanoparticles for the Enhancement of Release, Anti-microbial Activity and Bioavailability of Delafloxacin. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	11
40	Development of flavanone and its derivatives as topical agents against psoriasis: The prediction of therapeutic efficiency through skin permeation evaluation and cell-based assay. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 581, 119256	6.5	11
39	Laser ablation and topical drug delivery: a review of recent advances. <i>Expert Opinion on Drug Delivery</i> , <b>2019</b> , 16, 937-952	8	10
38	Formulation, characterization, in vitro and in vivo evaluations of self-nanoemulsifying drug delivery system of luteolin. <i>Journal of Taibah University for Science</i> , <b>2020</b> , 14, 1386-1401	3	10
37	Estimating the Solubility, Solution Thermodynamics, and Molecular Interaction of Aliskiren Hemifumarate in Alkylimidazolium Based Ionic Liquids. <i>Molecules</i> , <b>2019</b> , 24,	4.8	9
36	Oleic acid as the active agent and lipid matrix in cilomilast-loaded nanocarriers to assist PDE4 inhibition of activated neutrophils for mitigating psoriasis-like lesions. <i>Acta Biomaterialia</i> , <b>2019</b> , 90, 350-361	10.8	9
35	Fractional Laser-Mediated siRNA Delivery for Mitigating Psoriasis-like Lesions via IL-6 Silencing. <i>Molecular Therapy - Nucleic Acids</i> , <b>2020</b> , 19, 240-251	10.7	9
34	Chitosan surface modified PLGA nanoparticles loaded with brigatinib for the treatment of non-small cell lung cancer. <i>Journal of Polymer Engineering</i> , <b>2019</b> , 39, 909-916	1.4	9
33	Sildenafil citrate-Glycyrrhizin/Eudragit binary spray dried microparticles: A sexual behavior studies on male rats. <i>Journal of Drug Delivery Science and Technology</i> , <b>2016</b> , 36, 141-149	4.5	8
32	UV filter entrapment in mesoporous silica hydrogel for skin protection against UVA with minimization of percutaneous absorption. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 122, 185-194	5.1	8
31	Improved antimicrobial activity and oral bioavailability of delafloxacin by self-nanoemulsifying drug delivery system (SNEDDS). <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 64, 102572	4.5	8
30	Post-irradiation recovery time strongly influences fractional laser-facilitated skin absorption. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 564, 48-58	6.5	7
29	Enhanced Oral Bioavailability of Ibrutinib Encapsulated Poly (Lactic-co- Glycolic Acid) Nanoparticles: Pharmacokinetic Evaluation in Rats. <i>Current Pharmaceutical Analysis</i> , <b>2019</b> , 15, 661-668	0.6	7
28	The absorption of polycyclic aromatic hydrocarbons into the skin to elicit cutaneous inflammation: The establishment of structure-permeation and in silico-in vitro-in vivo relationships. <i>Chemosphere</i> , <b>2020</b> , 255, 126955	8.4	7
27	Percutaneous absorption of resveratrol and its oligomers to relieve psoriasiform lesions: In silico, in vitro and in vivo evaluations. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 585, 119507	6.5	7
26	Design, Optimization, and Correlation of In Vitro/In Vivo Disintegration of Novel Fast Orally Disintegrating Tablet of High Dose Metformin Hydrochloride Using Moisture Activated Dry Granulation Process and Quality by Design Approach. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	7

25	Preparation of spray dried amorphous solid dispersion of diosmin in soluplus with improved hepato-renoprotective activity: In vitro anti-oxidant and in-vivo safety studies. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 60, 102101	4.5	7
24	The atopic dermatitis-like lesion and the associated MRSA infection and barrier dysfunction can be alleviated by 2,4-dimethoxy-6-methylbenzene-1,3-diol from <i>Antrodia camphorata</i> . <i>Journal of Dermatological Science</i> , <b>2018</b> , 92, 188-196	4.3	7
23	Biosynthesis, characterization and anti-microbial activity of silver nanoparticle based gel hand wash. <i>Green Processing and Synthesis</i> , <b>2019</b> , 8, 577-583	3.9	6
22	Rat palatability, pharmacodynamics effect and bioavailability of mefenamic acid formulations utilizing hot-melt extrusion technology. <i>Drug Development and Industrial Pharmacy</i> , <b>2019</b> , 45, 1610-1616	3.6	5
21	Exploitation of Design-of-Experiment Approach for Design and Optimization of Fast-Disintegrating Tablets for Sublingual Delivery of Sildenafil Citrate with Enhanced Bioavailability Using Fluid-Bed Granulation Technique. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	5
20	Discovery of Furanquinone Derivatives as a Novel Class of DNA Polymerase and Gyrase Inhibitors for MRSA Eradication in Cutaneous Infection. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1197	5.7	4
19	TEMPERATURE DEPENDENT SOLUBILITY STUDIES OF BRIGATINIB IN SOME PURE SOLVENTS USEFUL IN DOSAGE FORM DEVELOPMENT. <i>Acta Poloniae Pharmaceutica</i> , <b>2019</b> , 76, 225-232	1.3	4
18	Formulation and evaluation of self-nanoemulsifying drug delivery system of brigatinib: Improvement of solubility, in vitro release, ex-vivo permeation and anticancer activity. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 61, 102204	4.5	4
17	Multifunctional lipid-based nanocarriers with antibacterial and anti-inflammatory activities for treating MRSA bacteremia in mice. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 48	9.4	4
16	Facile skin targeting of a thalidomide analog containing benzyl chloride moiety alleviates experimental psoriasis via the suppression of MAPK/NF-B/AP-1 phosphorylation in keratinocytes. <i>Journal of Dermatological Science</i> , <b>2020</b> , 99, 90-99	4.3	3
15	Mixing of low-dose cohesive drug and overcoming of pre-blending step using a new gentle-wing high-shear mixer granulator. <i>Drug Development and Industrial Pharmacy</i> , <b>2018</b> , 44, 1520-1527	3.6	3
14	Synthetic Naphthofuranquinone Derivatives Are Effective in Eliminating Drug-Resistant in Hyphal, Biofilm, and Intracellular Forms: An Application for Skin-Infection Treatment. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 2053	5.7	3
13	Photothermal treatment by PLGA-gold nanorod-isatin nanocomplexes under near-infrared irradiation for alleviating psoriasisiform hyperproliferation. <i>Journal of Controlled Release</i> , <b>2021</b> , 333, 487-499	11.7	3
12	A Novel Approach of Targeting Linezolid Nanoemulsion for the Management of Lymph Node Tuberculosis.. <i>ACS Omega</i> , <b>2022</b> , 7, 15688-15694	3.9	3
11	Enhancing the Poor Flow and Tableting Problems of High Drug-Loading Formulation of Canagliflozin Using Continuous Green Granulation Process and Design-of-Experiment Approach. <i>Pharmaceutics</i> , <b>2020</b> , 13,	5.2	2
10	2,4-Dimethoxy-6-Methylbenzene-1,3-diol, a Benzenoid From , Mitigates Psoriasisiform Inflammation by Suppressing MAPK/NF-B Phosphorylation and GDAP1L1/Drp1 Translocation. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 664425	8.4	2
9	Psoriasisiform Inflammation Is Associated with Mitochondrial Fission/GDAP1L1 Signaling in Macrophages. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
8	Facile Biofilm Penetration of Cationic Liposomes Loaded with DNase I/Proteinase K to Eradicate for Treating Cutaneous and Catheter Infections.. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 8121-8138	7.3	2

7	A systematic comparison of the effect of topically applied anthraquinone aglycones to relieve psoriasiform lesion: The evaluation of percutaneous absorption and anti-inflammatory potency.. <i>Biomedicine and Pharmacotherapy</i> , <b>2022</b> , 145, 112482	7.5	1
6	Multifunctional TiO/SBA-15 mesoporous silica hybrids loaded with organic sunscreens for skin application: The role in photoprotection and pollutant adsorption with reduced sunscreen permeation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 202, 111658	6	1
5	The Demethoxy Derivatives of Curcumin Exhibit Greater Differentiation Suppression in 3T3-L1 Adipocytes Than Curcumin: A Mechanistic Study of Adipogenesis and Molecular Docking. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	1
4	Solubility determination, computational modeling, Hansen solubility parameters and apparent thermodynamic analysis of brigatinib in (ethanol + water) mixtures. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2021</b> , 235, 961-975	3.1	0
3	Application of hydrophilic polymers for the preparation of tadalafil solid dispersions: micromeritics properties, release and erectile dysfunction studies in male rats. <i>PeerJ</i> ,10, e13482	3.1	0
2	Influences of Ferulic Acid on Pharmacokinetics of Carbamazepine in Rats: Possible Mechanism of Herb/food-drug Interactions. <i>International Journal of Pharmacology</i> , <b>2019</b> , 15, 978-985	0.7	
1	Bioconjugated nanometals and cancer therapy: a pharmaceutical perspective. <i>Nanomedicine</i> , <b>2021</b> , 16, 1791-1811	5.6	