

# Dr Afzal Hussain

## List of Publications by Citations

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**Version:** 2024-04-28

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172  
papers

2,742  
citations

29  
h-index

42  
g-index

186  
ext. papers

3,720  
ext. citations

4.4  
avg, IF

5.92  
L-index

#	Paper	IF	Citations
172	Nanoemulsion gel-based topical delivery of an antifungal drug: in vitro activity and in vivo evaluation. <i>Drug Delivery</i> , <b>2016</b> , 23, 642-47	7	114
171	Biogenesis of ZnO nanoparticles using leaf extract: anticancer and antimicrobial activities.. <i>RSC Advances</i> , <b>2019</b> , 9, 15357-15369	3.7	103
170	Copper(II) complexes as potential anticancer and Nonsteroidal anti-inflammatory agents: In vitro and in vivo studies. <i>Scientific Reports</i> , <b>2019</b> , 9, 5237	4.9	98
169	Elastic liposomes as novel carriers: recent advances in drug delivery. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 5087-5108	7.3	91
168	Glecaprevir and Maraviroc are high-affinity inhibitors of SARS-CoV-2 main protease: possible implication in COVID-19 therapy. <i>Bioscience Reports</i> , <b>2020</b> , 40,	4.1	90
167	Biogenic synthesis of Zinc oxide nanostructures from Nigella sativa seed: Prospective role as food packaging material inhibiting broad-spectrum quorum sensing and biofilm. <i>Scientific Reports</i> , <b>2016</b> , 6, 36761	4.9	90
166	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Scientific Reports</i> , <b>2020</b> , 10, 10300	4.9	51
165	Evaluation of ellagic acid as an inhibitor of sphingosine kinase 1: A targeted approach towards anticancer therapy. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 118, 109245	7.5	49
164	Pharmacoinformatics approach for the identification of Polo-like kinase-1 inhibitors from natural sources as anti-cancer agents. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 116, 173-181	7.9	47
163	Elastic liposome-based gel for topical delivery of 5-fluorouracil: in vitro and in vivo investigation. <i>Drug Delivery</i> , <b>2016</b> , 23, 1115-29	7	43
162	Identification of high-affinity inhibitors of SARS-CoV-2 main protease: Towards the development of effective COVID-19 therapy. <i>Virus Research</i> , <b>2020</b> , 288, 198102	6.4	43
161	Virtual Screening Approach to Identify High-Affinity Inhibitors of Serum and Glucocorticoid-Regulated Kinase 1 among Bioactive Natural Products: Combined Molecular Docking and Simulation Studies. <i>Molecules</i> , <b>2020</b> , 25,	4.8	42
160	Formulation and optimization of nanoemulsion using antifungal lipid and surfactant for accentuated topical delivery of Amphotericin B. <i>Drug Delivery</i> , <b>2016</b> , 23, 3101-3110	7	42
159	Design and development of Isatin-triazole hydrazones as potential inhibitors of microtubule affinity-regulating kinase 4 for the therapeutic management of cell proliferation and metastasis. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 163, 840-852	6.8	41
158	Biosynthesized Silver Nanoparticle (AgNP) From Leaf Extract Exhibits Anti-metastasis and Anti-biofilm Potentials. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 8	5.7	40
157	High-Throughput Virtual Screening, Molecular Dynamics Simulation, and Enzyme Kinetics Identified ZINC84525623 as a Potential Inhibitor of NDM-1. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	38
156	Ellagic Acid Controls Cell Proliferation and Induces Apoptosis in Breast Cancer Cells via Inhibition of Cyclin-Dependent Kinase 6. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	36

155	Future of Ionic Liquids for Chiral Separations in High-Performance Liquid Chromatography and Capillary Electrophoresis. <i>Critical Reviews in Analytical Chemistry</i> , <b>2019</b> , 49, 289-305	5.2	36
154	Nanocarrier-based topical drug delivery for an antifungal drug. <i>Drug Development and Industrial Pharmacy</i> , <b>2014</b> , 40, 527-41	3.6	35
153	Structure-based identification of potential SARS-CoV-2 main protease inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-14	3.6	35
152	New perspectives in the topical delivery of optimized amphotericin B loaded nanoemulsions using excipients with innate anti-fungal activities: A mechanistic and histopathological investigation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 1117-1126	6	34
151	MARK4 Inhibited by AChE Inhibitors, Donepezil and Rivastigmine Tartrate: Insights into Alzheimer <sup>®</sup> Disease Therapy. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	34
150	Molten Salts Derived Copper Tungstate Nanoparticles as Bifunctional Electro-Catalysts for Electrolysis of Water and Supercapacitor Applications. <i>ChemElectroChem</i> , <b>2018</b> , 5, 3938-3945	4.3	34
149	Solid lipid nanoparticles for ocular delivery of isoniazid: evaluation, proof of concept and in vivo safety & kinetics. <i>Nanomedicine</i> , <b>2019</b> , 14, 465-491	5.6	33
148	Evaluation of binding and inhibition mechanism of dietary phytochemicals with sphingosine kinase 1: Towards targeted anticancer therapy. <i>Scientific Reports</i> , <b>2019</b> , 9, 18727	4.9	33
147	Functional implications of pH-induced conformational changes in the Sphingosine kinase 1. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 225, 117453	4.4	32
146	Structural Analysis and Conformational Dynamics of Gene Mutations Involved in Coat Plus Syndrome. <i>Frontiers in Molecular Biosciences</i> , <b>2019</b> , 6, 41	5.6	31
145	Enhanced Dissolution of Luteolin by Solid Dispersion Prepared by Different Methods: Physicochemical Characterization and Antioxidant Activity. <i>ACS Omega</i> , <b>2020</b> , 5, 6461-6471	3.9	31
144	Probing the interaction of Rivastigmine Tartrate, an important Alzheimer <sup>®</sup> drug, with serum albumin: Attempting treatment of Alzheimer <sup>®</sup> disease. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 533-542	7.9	30
143	Laponite-based Nanomaterials for Biomedical Applications: A Review. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 424-443	3.3	29
142	Identification and evaluation of glutathione conjugate gamma-l-glutamyl-l-cysteine for improved drug delivery to the brain. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 3610-3620	3.6	29
141	Solidified SNEDDS for the oral delivery of rifampicin: Evaluation, proof of concept, in vivo kinetics, and in silico GastroPlus simulation. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 566, 203-217	6.5	28
140	Novel Approach for Transdermal Delivery of Rifampicin to Induce Synergistic Antimycobacterial Effects Against Cutaneous and Systemic Tuberculosis Using a Cationic Nanoemulsion Gel. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 1073-1094	7.3	27
139	Biofabrication of Zinc Oxide Nanoparticle from <i>Ochradenus baccatus</i> Leaves: Broad-Spectrum Antibiofilm Activity, Protein Binding Studies, and In Vivo Toxicity and Stress Studies. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-14	3.2	27
138	Molecular interaction studies on ellagic acid for its anticancer potential targeting pyruvate dehydrogenase kinase 3.. <i>RSC Advances</i> , <b>2019</b> , 9, 23302-23315	3.7	26

137	Enhanced stability and permeation potential of nanoemulsion containing sefsol-218 oil for topical delivery of amphotericin B. <i>Drug Development and Industrial Pharmacy</i> , <b>2015</b> , 41, 780-90	3.6	26
136	Nanomedicines as Drug Delivery Carriers of Anti-Tubercular Drugs: From Pathogenesis to Infection Control. <i>Current Drug Delivery</i> , <b>2019</b> , 16, 400-429	3.2	25
135	Optimized permeation enhancer for topical delivery of 5-fluorouracil-loaded elastic liposome using Design Expert: part II. <i>Drug Delivery</i> , <b>2016</b> , 23, 1242-53	7	25
134	Investigation of deleterious effects of nsSNPs in the POT1 gene: a structural genomics-based approach to understand the mechanism of cancer development. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 10281-10294	4.7	25
133	Natural Compounds as Inhibitors of SARS-CoV-2 Main Protease (3CLpro): A Molecular Docking and Simulation Approach to Combat COVID-19. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 3577-3589	3.3	23
132	Synthesis and SAR studies of novel 1,2,4-oxadiazole-sulfonamide based compounds as potential anticancer agents for colorectal cancer therapy. <i>Bioorganic Chemistry</i> , <b>2020</b> , 98, 103754	5.1	22
131	Antibacterial Silver Nanomaterial Synthesis From and Targeting Biofilm Formation. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 801	5.6	22
130	In vitro <sup>h</sup> vivo <sup>h</sup> silico simulation studies of anti-tubercular drugs doped with a self nanoemulsifying drug delivery system. <i>RSC Advances</i> , <b>2016</b> , 6, 93147-93161	3.7	22
129	Impact of Gln94Glu mutation on the structure and function of protection of telomere 1, a cause of cutaneous familial melanoma. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 1514-1524	3.6	22
128	Green synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles using aqueous extracts of Pandanus odoratissimus leaves for efficient bifunctional electro-catalytic activity. <i>Applied Nanoscience (Switzerland)</i> , <b>2018</b> , 8, 1427-1435	3.3	21
127	Hesperidin-CAMKIV interaction and its impact on cell proliferation and apoptosis in the human hepatic carcinoma and neuroblastoma cells. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 15119-15130	4.7	20
126	Design, synthesis & biological evaluation of ferulic acid-based small molecule inhibitors against tumor-associated carbonic anhydrase IX. <i>Bioorganic and Medicinal Chemistry</i> , <b>2020</b> , 28, 115424	3.4	20
125	Evidences for anti-mycobacterium activities of lipids and surfactants. <i>World Journal of Microbiology and Biotechnology</i> , <b>2016</b> , 32, 7	4.4	19
124	Rutin attenuates negatively charged surfactant (SDS)-induced lysozyme aggregation/amyloid formation and its cytotoxicity. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 120, 45-58	7.9	19
123	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> , <b>2018</b> , 19,	6.3	19
122	Identification of Potential Inhibitors of Calcium/Calmodulin-Dependent Protein Kinase IV from Bioactive Phytoconstituents. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 2094635	6.7	19
121	Identification of natural compounds as potent inhibitors of SARS-CoV-2 main protease using combined docking and molecular dynamics simulations. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 2423-2431	4	19
120	Identification of Sphingosine Kinase-1 Inhibitors from Bioactive Natural Products Targeting Cancer Therapy. <i>ACS Omega</i> , <b>2020</b> , 5, 14720-14729	3.9	18

119	Recent Advances in Liposomal Drug Delivery System of Quercetin for Cancer Targeting: A Mechanistic Approach. <i>Current Drug Delivery</i> , <b>2020</b> , 17, 845-860	3.2	18
118	Potential of solid dispersions to enhance solubility, bioavailability, and therapeutic efficacy of poorly water-soluble drugs: newer formulation techniques, current marketed scenario and patents. <i>Drug Delivery</i> , <b>2020</b> , 27, 1625-1643	7	18
117	Mechanistic Understanding of Biofilm Formation and Approaches for Its Inhibition. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 638609	5.7	18
116	Evaluation of Transition Metal Complexes of Benzimidazole-Derived Scaffold as Promising Anticancer Chemotherapeutics. <i>Molecules</i> , <b>2018</b> , 23,	4.8	17
115	Evaluation of pyrazolopyrimidine derivatives as microtubule affinity regulating kinase 4 inhibitors: Towards therapeutic management of Alzheimer's disease. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 3892-3907	3.6	17
114	Formation of molten globule state in horse heart cytochrome c under physiological conditions: Importance of soft interactions and spectroscopic approach in crowded milieu. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 192-200	7.9	16
113	Chiral HPLC Separation and Modeling of Four Stereomers of DL-Leucine-DL-Tryptophan Dipeptide on Amylose Chiral Column. <i>Chirality</i> , <b>2016</b> , 28, 642-8	2.1	16
112	Host-guest complex of Cyclodextrin and pluronic F127 with Luteolin: Physicochemical characterization, anti-oxidant activity and molecular modeling studies. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 55, 101356	4.5	16
111	Structural and functional impact of non-synonymous SNPs in the CST complex subunit TEN1: structural genomics approach. <i>Bioscience Reports</i> , <b>2019</b> , 39,	4.1	15
110	Vesicular elastic liposomes for transdermal delivery of rifampicin: In-vitro, in-vivo and in silico GastroPlus prediction studies. <i>European Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 151, 105411	5.1	15
109	Structural Features of Nucleoprotein CST/Shelterin Complex Involved in the Telomere Maintenance and Its Association with Disease Mutations. <i>Cells</i> , <b>2020</b> , 9,	7.9	15
108	Identification of high-affinity inhibitors of pyruvate dehydrogenase kinase-3: towards therapeutic management of cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 586-594	3.6	15
107	Seed Extract of and Its Constituent Bakuchiol Impairs AHL-Based Quorum Sensing and Biofilm Formation in Food- and Human-Related Pathogens. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2018</b> , 8, 351	5.9	15
106	In vivo assessment of newly synthesized achiral copper(II) and zinc(II) complexes of a benzimidazole derived scaffold as a potential analgesic, antipyretic and anti-inflammatory. <i>RSC Advances</i> , <b>2016</b> , 6, 19473-19484	3.7	14
105	Ethylene reduces glucose sensitivity and reverses photosynthetic repression through optimization of glutathione production in salt-stressed wheat ( <i>Triticum aestivum</i> L.). <i>Scientific Reports</i> , <b>2021</b> , 11, 12650	4.9	14
104	Recent insights on nanomedicine for augmented infection control. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 2301-2325	7.3	13
103	Food additive dye (quinoline yellow) promotes unfolding and aggregation of myoglobin: A spectroscopic and molecular docking analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 214, 216-226	4.4	13
102	Experimental design-based optimization of lipid nanocarrier as delivery system against <i>Mycobacterium</i> species: in vitro and in vivo evaluation. <i>Pharmaceutical Development and Technology</i> , <b>2017</b> , 22, 910-927	3.4	13

101	Guidelines and Safety Considerations in the Laboratory Diagnosis of SARS-CoV-2 Infection: A Prerequisite Study for Health Professionals. <i>Risk Management and Healthcare Policy</i> , <b>2021</b> , 14, 379-389	2.8	13
100	Genotoxicity inhibition by (L.) seed fraction and rutin: understanding the underlying mechanism of DNA protection. <i>Toxicology Research</i> , <b>2018</b> , 7, 156-171	2.6	12
99	Determination of chloramphenicol in biological matrices by solid-phase membrane micro-tip extraction and capillary electrophoresis. <i>Biomedical Chromatography</i> , <b>2016</b> , 30, 1935-1941	1.7	12
98	Structural genomics approach to investigate deleterious impact of nsSNPs in conserved telomere maintenance component 1. <i>Scientific Reports</i> , <b>2021</b> , 11, 10202	4.9	12
97	Investigating architecture and structure-function relationships in cold shock DNA-binding domain family using structural genomics-based approach. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 133, 484-494	7.9	11
96	Impact of amino acid substitution in the kinase domain of Bruton tyrosine kinase and its association with X-linked agammaglobulinemia. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 2399-2408	7.0	11
95	Antiviral potential of some novel structural analogs of standard drugs repurposed for the treatment of COVID-19. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 6676-6688	3.6	11
94	Targeting the Sphingosine Kinase/Sphingosine-1-Phosphate Signaling Axis in Drug Discovery for Cancer Therapy. <i>Cancers</i> , <b>2021</b> , 13,	6.6	11
93	Nitric Oxide Enhances Photosynthetic Nitrogen and Sulfur-Use Efficiency and Activity of Ascorbate-Glutathione Cycle to Reduce High Temperature Stress-Induced Oxidative Stress in Rice (L.) Plants. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	11
92	Concurrent analysis of bioactive triterpenes oleanolic acid and Emyrin in antioxidant active fractions of , and grown in Saudi Arabia by applying validated HPTLC method. <i>Saudi Pharmaceutical Journal</i> , <b>2018</b> , 26, 266-273	4.4	10
91	Stimulatory Effects of Soluplus <sup>®</sup> on Flufenamic Acid $\beta$ -Cyclodextrin Supramolecular Complex: Physicochemical Characterization and Pre-clinical Anti-inflammatory Assessment. <i>AAPS PharmSciTech</i> , <b>2020</b> , 21, 145	3.9	10
90	Evaluation of Binding of Rosmarinic Acid with Human Transferrin and Its Impact on the Protein Structure: Targeting Polyphenolic Acid-Induced Protection of Neurodegenerative Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 1245875	6.7	10
89	Targeting cyclin-dependent kinase 6 by vanillin inhibits proliferation of breast and lung cancer cells: Combined computational and biochemical studies. <i>Journal of Cellular Biochemistry</i> , <b>2021</b> , 122, 897-910	4.7	10
88	Formulation of Piperine-Chitosan-Coated Liposomes: Characterization and In Vitro Cytotoxic Evaluation. <i>Molecules</i> , <b>2021</b> , 26,	4.8	10
87	Intranasal delivery of gabapentin loaded optimized nanoemulsion for augmented permeation. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 56, 101606	4.5	9
86	Interspecies Anticancer and Antimicrobial Activities of Genus and Estimation of Rutin by Validated UPLC-PDA Method. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2018</b> , 2018, 6040815	2.3	9
85	Formulation and Evaluation of Supramolecular Food-Grade Piperine HP $\beta$ CD and TPGS Complex: Dissolution, Physicochemical Characterization, Molecular Docking, In Vitro Antioxidant Activity, and Antimicrobial Assessment. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
84	Impact of non-synonymous mutations on the structure and function of telomeric repeat binding factor 1. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-14	3.6	9

83	Design and Development of Novel Urea, Sulfonyltriurea, and Sulfonamide Derivatives as Potential Inhibitors of phingosine Kinase 1. <i>Pharmaceuticals</i> , <b>2020</b> , 13,	5.2	8
82	Investigation of guanidinium chloride-induced unfolding pathway of sphingosine kinase 1. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 147, 177-186	7.9	8
81	Formulation of Piperine Ternary Inclusion Complex Using $\beta$ CD and HPMC: Physicochemical Characterization, Molecular Docking, and Antimicrobial Testing. <i>Processes</i> , <b>2020</b> , 8, 1450	2.9	8
80	Understanding the interaction between $\beta$ -acid glycoprotein (AGP) and potential Cu/Zn metallo-drugs of benzimidazole derived organic motifs: A multi-spectroscopic and molecular docking study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 225, 117457	4.4	8
79	Development and Evaluations of Transdermally Delivered Luteolin Loaded Cationic Nanoemulsion: In Vitro and Ex Vivo Evaluations. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	8
78	Comparative anticancer and antimicrobial activity of aerial parts of , , and grown in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , <b>2017</b> , 25, 1248-1252	4.4	7
77	Insights into the Conserved Regulatory Mechanisms of Human and Yeast Aging. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	7
76	Luteolin-Loaded Elastic Liposomes for Transdermal Delivery to Control Breast Cancer: In Vitro and Ex Vivo Evaluations. <i>Pharmaceutics</i> , <b>2021</b> , 14,	5.2	7
75	Removal of clarithromycin from aqueous solution using water/triton X-100/ ethanol/ olive oil green nanoemulsion method. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 40, 101973	6.7	7
74	Development and validation of SPMTE HPLC method for analysis of profens from human plasma. <i>Biomedical Chromatography</i> , <b>2016</b> , 30, 1263-9	1.7	7
73	1,2,3-Triazole-quinazolin-4(3)-one conjugates: evolution of ergosterol inhibitor as anticandidal agent.. <i>RSC Advances</i> , <b>2018</b> , 8, 39611-39625	3.7	7
72	Interaction of polyethylene glycol with cytochrome c investigated via in vitro and in silico approaches. <i>Scientific Reports</i> , <b>2021</b> , 11, 6475	4.9	6
71	Thermodynamic, Computational Solubility Parameters in Organic Solvents and GastroPlus Based Prediction of Ketoconazole. <i>ACS Omega</i> , <b>2021</b> , 6, 5033-5045	3.9	6
70	Lipid Microparticles for Oral Bioavailability Enhancement. <i>Recent Patents on Nanomedicine</i> , <b>2015</b> , 5, 104-110		5
69	Synthesis and Antibacterial Aspects of Graphitic C3N4@Polyaniline Composites. <i>Coatings</i> , <b>2020</b> , 10, 950	2.9	5
68	Design and development of 5-(4H)-oxazolones as potential inhibitors of human carbonic anhydrase VA: towards therapeutic management of diabetes and obesity. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-11	3.6	5
67	Transdermal delivery of isoniazid loaded elastic liposomes to control cutaneous and systemic tuberculosis. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 59, 101848	4.5	5
66	In vitro, ex vivo, and in vivo studies of binary ethosomes for transdermal delivery of acyclovir: A comparative assessment. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 62, 102390	4.5	5

65	Assessment of solubility and Hansen solubility parameters of rifampicin in various permeation enhancers: Experimental and computational approach. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 328, 115432	6	5
64	Quantitative analysis of biomarker rutin in different species of genus Ficus by validated NP and RP-HPTLC methods. <i>Pakistan Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 28, 2213-20	0.4	5
63	SPMMTE and Q-TOF-PLC-MS for monitoring of atenolol and atorvastatin in human plasma using pentafluoro phenyl column. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2017</b> , 40, 751-757	1.3	4
62	Concurrent analysis of the biologically active markers ßmyrin and ßitosterol by applying a validated high-performance thin-layer chromatography method in the aerial parts of Tinospora cordifolia and Calotropis gigantea. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2017</b> , 30, 175-180	0.9	4
61	Impact of Deleterious Mutations on Structure, Function and Stability of Serum/Glucocorticoid Regulated Kinase 1: A Gene to Diseases Correlation. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 780284	5.6	4
60	Self-Emulsifying Systems for Oral Bioavailability Enhancement. <i>Recent Patents on Nanomedicine</i> , <b>2015</b> , 5, 71-77		4
59	Flufenamic Acid-Loaded Self-Nanoemulsifying Drug Delivery System for Oral Delivery: From Formulation Statistical Optimization to Preclinical Anti-Inflammatory Assessment. <i>Journal of Oleo Science</i> , <b>2020</b> , 69, 1257-1271	1.6	4
58	Novel Hemocompatible Imine Compounds as Alternatives for Antimicrobial Therapy in Pharmaceutical Application. <i>Processes</i> , <b>2020</b> , 8, 1476	2.9	4
57	Experimental Solubility, Thermodynamic/Computational Validations, and GastroPlus-Based In Silico Prediction for Subcutaneous Delivery of Rifampicin. <i>AAPS PharmSciTech</i> , <b>2021</b> , 22, 116	3.9	4
56	Application of Green Nanoemulsion for Elimination of Rifampicin from a Bulk Aqueous Solution. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	4
55	Application of green nanoemulsion to treat contaminated water (bulk aqueous solution) with azithromycin. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 61696-61706	5.1	4
54	Targeting metacaspase-3 from towards antimalarial therapy: A combined approach of and investigation. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 421-430	3.6	4
53	Investigation of sphingosine kinase 1 inhibitory potential of cinchonine and colcemid targeting anticancer therapy. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-13	3.6	4
52	An updated review on therapeutic potential and recent advances in drug delivery of Berberine: Current status and future prospect. <i>Current Pharmaceutical Biotechnology</i> , <b>2021</b> ,	2.6	4
51	Effects of Pro1266Leu mutation on structure and function of glycoprotein Ib binding domain of von Willebrand factor. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 17847-17857	4.7	3
50	Synthesis, Antiproliferative, and Antioxidant Activities of Substituted N-[(1,3,4-Oxadiazol-2-yl) Methyl] Benzamines. <i>Letters in Drug Design and Discovery</i> , <b>2020</b> , 17, 145-154	0.8	3
49	Lipid-Drug Conjugates for Oral Bioavailability Enhancement. <i>Recent Patents on Nanomedicine</i> , <b>2015</b> , 5, 87-95		3
48	Morphological transition of M. tuberculosis and modulation of intestinal permeation by food grade cationic nanoemulsion: In vitro-ex vivo-in silico GastroPlus studies. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 60, 101971	4.5	3



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44	Formulation, In Vitro and In Vivo Evaluation of Gefitinib Solid Dispersions Prepared Using Different Techniques. <i>Processes</i> , <b>2021</b> , 9, 1210	2.9	3
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