

# Dr Afzal Hussain

## List of Publications by Year in Descending Order

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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.

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	In vitro release, ex vivo penetration, and in vivo dermatokinetics of ketoconazole-loaded solid lipid nanoparticles for topical delivery.. <i>Drug Delivery and Translational Research</i> , <b>2022</b> , 1	6.2	0
171	A voyage from 3D to 4D printing in nanomedicine and healthcare: part II.. <i>Nanomedicine</i> , <b>2022</b> ,	5.6	1
170	Preferential solvation study of (Z)-N-benzyl-2-{5-(4-hydroxybenzylidene)-2,4-dioxothiazolidin-3-yl}acetamide (3) in {NMP + Water } co-solvent mixture and GastroPlus software based in vitro simulation. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 345, 117863	6	1
169	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> , <b>2022</b> , 7, 1197-1210	3.9	2
168	Green nanoemulsion (water/ethanol/triton X100/capmul MCM C8) to remove ciprofloxacin from a bulk aqueous solution. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 345, 117863	6	
167	Chitosan-based systems for oral drug delivery applications <b>2022</b> , 23-53		1
166	Carboxymethyl chitosan in advanced drug-delivery applications <b>2022</b> , 323-360		2
165	Target-Based Virtual Screening of Natural Compounds Identifies a Potent Antimalarial With Selective Falcipain-2 Inhibitory Activity.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 850176	5.6	1
164	Antifungal Cationic Nanoemulsion Ferrying Miconazole Nitrate with Synergism to Control Fungal Infections: , , and Evaluations.. <i>ACS Omega</i> , <b>2022</b> , 7, 13343-13353	3.9	0
163	Formulation and Evaluation of Luteolin-Loaded Nanovesicles: Physicochemical Characterization and Viability Assessment.. <i>ACS Omega</i> , <b>2022</b> , 7, 1048-1056	3.9	1
162	Water/transcutol/lecithin/MB12 green cationic nanoemulsion to treat oxytetracycline contaminated aqueous bulk solution. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 357, 119154	6	1
161	Analyzing the Effect of Vaccination Over COVID Cases and Deaths in Asian Countries Using Machine Learning Models.. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 806265	5.9	0
160	Four-Dimensional Printing for Hydrogel: Theoretical Concept, 4D Materials, Shape-Morphing Way, and Future Perspectives. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
159	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
158	Luteolin-Loaded Elastic Liposomes for Transdermal Delivery to Control Breast Cancer: In Vitro and Ex Vivo Evaluations. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	7
157	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
156	A New Cytotoxic Dimeric Sesquiterpene Isolated from <i>Inula racemosa</i> Hook. f. (Root): In Vitro and In Silico Analyses. <i>Separations</i> , <b>2021</b> , 8, 2	3.1	2

155	Celecoxib, Glipizide, Lapatinib, and Sitagliptin as potential suspects of aggravating SARS-CoV-2 (COVID-19) infection: a computational approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-12	3.6	1
154	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
153	Box-Behnken Design (BBD)-Based Optimization of Microwave-Assisted Extraction of Parthenolide from the Stems of and Cytotoxic Analysis. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
152	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
151	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
150	Stability of uniformly labeled (C and N) cytochrome c and its L94G mutant. <i>Scientific Reports</i> , <b>2021</b> , 11, 6804	4.9	0
149	Rationalizing the Role of Monosodium Glutamate in the Protein Aggregation Through Biophysical Approaches: Potential Impact on Neurodegeneration. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 636454	5.1	3
148	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
147	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
146	Mechanistic Understanding of Biofilm Formation and Approaches for Its Inhibition. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 638609	5.7	18
145	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
144	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
143	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
142	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
141	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
140	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
139	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
138	Formulation of Piperine-Chitosan-Coated Liposomes: Characterization and In Vitro Cytotoxic Evaluation. <i>Molecules</i> , <b>2021</b> , 26,	4.8	10

137	Formulation of Gelucire <sup>®</sup> -Based Solid Dispersions of Atorvastatin Calcium: In Vitro Dissolution and In Vivo Bioavailability Study. <i>AAPS PharmSciTech</i> , <b>2021</b> , 22, 161	3.9	1
136	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
135	Experimental Solubility of Ketoconazole, Validation Models, and In vivo Prediction in Human Based on GastroPlus. <i>AAPS PharmSciTech</i> , <b>2021</b> , 22, 194	3.9	2
134	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
133	Computational Drug Repurposing Resources and Approaches for Discovering Novel Antifungal Drugs against <i>Candida albicans</i> N-Myristoyl Transferase. <i>Journal of Pure and Applied Microbiology</i> , <b>2021</b> , 15, 556-579	0.9	
132	Identification of plant-based hexokinase 2 inhibitors: combined molecular docking and dynamics simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-13	3.6	3
131	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
130	Impact of glioblastoma multiforme associated mutations on the structure and function of MAP/microtubule affinity regulating kinase 4. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 1781-1794	3.6	2
129	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
128	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
127	Reactive oxygen mediated apoptosis as a therapeutic approach against opportunistic <i>Candida albicans</i> . <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2021</b> , 125, 25-49	5.3	1
126	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
125	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 ( <i>L.</i> ) Plants. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	11
124	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
123	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
122	Pluronic-Coated Biogenic Gold Nanoparticles for Colon Delivery of 5-Fluorouracil: In vitro and Ex vivo Studies. <i>AAPS PharmSciTech</i> , <b>2021</b> , 22, 64	3.9	3
121	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
120	Trehalose Restrains the Fibril Load towards $\beta$ -Lactalbumin Aggregation and Halts Fibrillation in a Concentration-Dependent Manner. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2

119	Experimental Design Based Optimization and Ex Vivo Permeation of Desmopressin Acetate Loaded Elastic Liposomes Using Rat Skin. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
118	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
117	Biocompatible solvent selection based on thermodynamic and computational solubility models, in-silico GastroPlus prediction, and cellular studies of ketoconazole for subcutaneous delivery. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 65, 102699	4.5	2
116	Mechanistic evaluations of ketoconazole lipidic nanoparticles for improved efficacy, enhanced topical penetration, cellular uptake (L929 and J774A.1), and safety assessment: In vitro and in vivo studies. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 65, 102743	4.5	3
115	Cytotoxicity and molecular docking analysis of racemolactone I, a new sesquiterpene lactone isolated from <i>Inula racemosa</i> . <i>Pharmaceutical Biology</i> , <b>2021</b> , 59, 943-954	3.8	2
114	Impact of repurposed drugs on the symptomatic COVID-19 patients. <i>Journal of Infection and Public Health</i> , <b>2021</b> , 14, 24-38	7.4	3
113	Recent Advances and Implication of Bioengineered Nanomaterials in Cancer Theranostics. <i>Medicina (Lithuania)</i> , <b>2021</b> , 57,	3.1	3
112	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
111	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
110	Insights into the Conserved Regulatory Mechanisms of Human and Yeast Aging. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	7
109	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
108	Design and Development of Novel Urea, Sulfonylurea, and Sulfonamide Derivatives as Potential Inhibitors of sphingosine Kinase 1. <i>Pharmaceutics</i> , <b>2020</b> , 13,	5.2	8
107	Morphological transitions of <i>Bacillus subtilis</i> in the presence of food-grade lipidic nanoemulsions. <i>Journal of Food Science</i> , <b>2020</b> , 85, 1223-1230	3.4	1
106	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
105	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
104	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Scientific Reports</i> , <b>2020</b> , 10, 10300	4.9	51
103	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
102	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

101	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
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	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
92	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
91	Host-guest complex of $\beta$ -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
90	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
89	Synthesis and Antibacterial Aspects of Graphitic C <sub>3</sub> N <sub>4</sub> @Polyaniline Composites. <i>Coatings</i> , <b>2020</b> , 10, 950	2.9	5
88	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
87	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
86	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
85	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
84	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

83	Novel Hemocompatible Imine Compounds as Alternatives for Antimicrobial Therapy in Pharmaceutical Application. <i>Processes</i> , <b>2020</b> , 8, 1476	2.9	4
82	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	7.9	11
81	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
80	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
79	A Systems View of the Genome Guardians: Mapping the Signaling Circuitry Underlying Oligonucleotide/Oligosaccharide-Binding Fold Proteins. <i>OMICS A Journal of Integrative Biology</i> , <b>2020</b> , 24, 518-530	3.8	2
78	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
77	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
76	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
75	5-Fluorouracil Loaded Biogenic and Albumin Capped Gold Nanoparticles Using Bacterial Enzyme In Vitro-In Silico GastroPlus Simulation and Prediction. <i>Processes</i> , <b>2020</b> , 8, 1579	2.9	2
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	Biogenesis of ZnO nanoparticles using leaf extract: anticancer and antimicrobial activities.. <i>RSC Advances</i> , <b>2019</b> , 9, 15357-15369	3.7	103

65	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
64	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
63	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
62	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
61	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
60	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
59	Investigating the structural features of chromodomain proteins in the human genome and predictive impacts of their mutations in cancers. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 131, 1101-1116	7.9	1
58	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
57	Recent insights on nanomedicine for augmented infection control. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 2301-2325	7.3	13
56	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
55	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
54	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
53	Antibacterial Silver Nanomaterial Synthesis From and Targeting Biofilm Formation. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 801	5.6	22
52	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
51	Polycarbonate Nanoparticles as a Promising Tool for Anticancer Therapeutics <b>2019</b> , 147-166		2
50	Laponite-based Nanomaterials for Biomedical Applications: A Review. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 424-443	3.3	29
49	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
48	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



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