

# Murtaza M Tambuwala

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1676957/murtaza-m-tambuwala-publications-by-year.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189  
papers

3,188  
citations

29  
h-index

50  
g-index

233  
ext. papers

4,513  
ext. citations

5  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
189	Recent Advances in Metal-Based Antimicrobial Coatings for High-Touch Surfaces.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	6
188	Nature bioinspired and engineered nanomaterials <b>2022</b> , 31-58		0
187	Formulation Development and Evaluation of Pravastatin-Loaded Nanogel for Hyperlipidemia Management.. <i>Gels</i> , <b>2022</b> , 8,	4.2	4
186	The transcription factor HIF-1 $\alpha$ mediates plasticity of NKp46+ innate lymphoid cells in the gut.. <i>Journal of Experimental Medicine</i> , <b>2022</b> , 219,	16.6	5
185	Concepts of advanced therapeutic delivery systems for the management of remodeling and inflammation in airway diseases.. <i>Future Medicinal Chemistry</i> , <b>2022</b> ,	4.1	1
184	Liquid crystalline polymer-based bio-nanocomposites for spectroscopic applications <b>2022</b> , 141-162		0
183	Anti-proliferative, Anti-angiogenic and Anti-inflammatory Effects of Moringa peregrina Leaf Extracts on Testosterone- Induced Benign Prostatic Hyperplasia in Rats.. <i>Asian Pacific Journal of Cancer Prevention</i> , <b>2022</b> , 23, 161-169	1.7	
182	Superior fast switching of surface-stabilized liquid crystal switchable devices employing graphene dispersion <b>2022</b> , 185-199		
181	A new era in oxygen therapeutics? From perfluorocarbon systems to haemoglobin-based oxygen carriers.. <i>Blood Reviews</i> , <b>2022</b> , 100927	11.1	1
180	pH-Sensitive nanoparticles containing 5-fluorouracil and leucovorin as an improved anti-cancer option for colon cancer.. <i>Nanomedicine</i> , <b>2022</b> ,	5.6	6
179	Importance of STAT3 signalling in cancer, metastasis and therapeutic interventions.. <i>Cellular Signalling</i> , <b>2022</b> , 110275	4.9	3
178	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2.. <i>Archives of Biochemistry and Biophysics</i> , <b>2022</b> , 717, 109124	4.1	2
177	Fourth-generation glucose sensors composed of copper nanostructures for diabetes management: A critical review.. <i>Bioengineering and Translational Medicine</i> , <b>2022</b> , 7, e10248	14.8	0
176	SARS-CoV-2 and Coronavirus Disease Mitigation: Treatment Options, Vaccinations and Variants.. <i>Pathogens</i> , <b>2022</b> , 11,	4.5	4
175	Natural compounds as safe therapeutic options for ulcerative colitis.. <i>Inflammopharmacology</i> , <b>2022</b> , 30, 397	5.1	5
174	Synthesis, Characterization, and Assessment of Anti-Cancer Potential of ZnO Nanoparticles in an In Vitro Model of Breast Cancer.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	2
173	Recent Advances in Anticancer Activity of Novel Plant Extracts and Compounds from Curcuma longa in Hepatocellular Carcinoma.. <i>Journal of Gastrointestinal Cancer</i> , <b>2022</b> , 1	1.6	1

172	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2.. <i>PeerJ</i> , <b>2022</b> , 10, e13136	3.1	1
171	Chemical Moieties as Advanced Therapeutics for Targeting Respiratory Disorders <b>2022</b> , 75-93		
170	Exosomal mediated signal transduction through artificial microRNA (amiRNA): A potential target for inhibition of SARS-CoV-2.. <i>Cellular Signalling</i> , <b>2022</b> , 110334	4.9	0
169	Would New SARS-CoV-2 Variants Change the War against COVID-19?. <i>Epidemiologia</i> , <b>2022</b> , 3, 229-237	2.8	0
168	Associations and DiseaseDisease Interactions of COVID-19 with Congenital and Genetic Disorders: A Comprehensive Review. <i>Viruses</i> , <b>2022</b> , 14, 910	6.2	1
167	Biosynthesis of gold nanoparticles using leaf extract of <i>Dittrichia viscosa</i> and in vivo assessment of its anti-diabetic efficacy.. <i>Drug Delivery and Translational Research</i> , <b>2022</b> , 1	6.2	0
166	Crocin Inhibits Angiogenesis and Metastasis in Colon Cancer via TNF-TNF-kB/VEGF Pathways.. <i>Cells</i> , <b>2022</b> , 11,	7.9	3
165	Conclusion, Outlook, and Prospects: Bionanomaterials in Clinical Utilization <b>2022</b> , 177-194		
164	Nanocelluloses in Wound Healing Applications <b>2022</b> , 649-676		
163	Nanocelluloses in Sensing Technology <b>2022</b> , 745-774		
162	Nanocelluloses as a Novel Vehicle for Controlled Drug Delivery <b>2021</b> , 1-37		1
161	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 194, 128-143	7.9	2
160	Hydrogel composite containing azelaic acid and tea tree essential oil as a therapeutic strategy for Propionibacterium and testosterone-induced acne. <i>Drug Delivery and Translational Research</i> , <b>2021</b> , 1	6.2	1
159	Exploiting the Metabolism of the Gut Microbiome as a Vehicle for Targeted Drug Delivery to the Colon.. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	2
158	Nanocelluloses in Sensing Technology <b>2021</b> , 1-30		2
157	Circadian Rhythm Disruption and Alzheimer's Disease: The Dynamics of a Vicious Cycle. <i>Current Neuropharmacology</i> , <b>2021</b> , 19, 248-264	7.6	13
156	The Isolation of a Novel Streptomyces sp. CJ13 from a Traditional Irish Folk Medicine Alkaline Grassland Soil that Inhibits Multiresistant Pathogens and Yeasts. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 173	2.6	3
155	Role of Glucagon-Like Peptide-1 (GLP-1) Receptor Agonists in Hypoglycemia. <i>Clinical Medicine Insights: Endocrinology and Diabetes</i> , <b>2021</b> , 14, 11795514211051697	4.3	2

154	Development and evaluation of the effect of ethanol and surfactant in vesicular carriers on Lamivudine permeation through the skin. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 610, 121226	6.5	4
153	Fused deposition modelling: Current status, methodology, applications and future prospects. <i>Additive Manufacturing</i> , <b>2021</b> , 47, 102378	6.1	18
152	Nanosuspensions - An Update on Recent Patents, Methods of Preparation, and Evaluation Parameters. <i>Recent Patents on Nanotechnology</i> , <b>2021</b> , 15, 351-366	1.2	1
151	Induction of Caspase-Mediated Apoptosis in HepG2 Liver Carcinoma Cells Using Mutagen-Antioxidant Conjugated Self-Assembled Novel Carbazole Nanoparticles and In Silico Modeling Studies. <i>ACS Omega</i> , <b>2021</b> , 6, 265-277	3.9	1
150	The structural basis of accelerated host cell entry by SARS-CoV-2. <i>FEBS Journal</i> , <b>2021</b> , 288, 5010-5020	5.7	73
149	Alleviation of diabetic nephropathy by zinc oxide nanoparticles in streptozotocin-induced type 1 diabetes in rats. <i>IET Nanobiotechnology</i> , <b>2021</b> , 15, 473-483	2	3
148	An overview of vaccine development for COVID-19. <i>Therapeutic Delivery</i> , <b>2021</b> , 12, 235-244	3.8	17
147	Synthesis and Anticancer Properties of Azole-Based Chemotherapeutics as Emerging Chemical Moieties: A Comprehensive Review. <i>Current Organic Chemistry</i> , <b>2021</b> , 25, 654-668	1.7	8
146	Impacts and Consequences of COVID-19 Epidemic on Global Economy. <i>Coronaviruses</i> , <b>2021</b> , 2, 77-88	1.5	3
145	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. <i>ACS Nano</i> , <b>2021</b> , 15, 8069-8086	16.7	59
144	Gold Nanoparticles Ameliorate Diabetic Cardiomyopathy in Streptozotocin-Induced Diabetic Rats. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1231, 130009	3.4	9
143	Comparative in vitro evaluation of glimepiride containing nanosuspension drug delivery system developed by different techniques. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1231, 129927	3.4	1
142	Oral Nanoemulsion of Fenofibrate: Formulation, Characterization, and Drug Release Studies. <i>Assay and Drug Development Technologies</i> , <b>2021</b> , 19, 246-261	2.1	4
141	Predicting COVID-19-Comorbidity Pathway Crosstalk-Based Targets and Drugs: Towards Personalized COVID-19 Management. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	7
140	Innovative Applications of Plant Viruses in Drug Targeting and Molecular Imaging- A Review. <i>Current Medical Imaging</i> , <b>2021</b> , 17, 491-506	1.2	1
139	Repurposing of Guanabenz acetate by encapsulation into long-circulating nanopolymerosomes for treatment of triple-negative breast cancer. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 600, 120532	6.5	15
138	Current-status and applications of polysaccharides in drug delivery systems. <i>Colloids and Interface Science Communications</i> , <b>2021</b> , 42, 100418	5.4	17
137	RAD51-UTR haplotype genetic polymorphisms and susceptibility to breast cancer in women from Jordanian population. <i>Experimental Oncology</i> , <b>2021</b> , 43, 149-154	0.8	0

136	A unique view of SARS-CoV-2 through the lens of ORF8 protein. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 133, 104380	7	23
135	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 801-809	7.9	25
134	COVID-19 Vaccines and Thrombosis-Roadblock or Dead-End Street?. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	13
133	Advances in nanotechnology-based drug delivery in targeting PI3K signaling in respiratory diseases. <i>Nanomedicine</i> , <b>2021</b> , 16, 1351-1355	5.6	5
132	An Appraisal of the Current Scenario in Vaccine Research for COVID-19. <i>Viruses</i> , <b>2021</b> , 13,	6.2	2
131	Emerging concepts and directed therapeutics for the management of asthma: regulating the regulators. <i>Inflammopharmacology</i> , <b>2021</b> , 29, 15-33	5.1	4
130	Polyvinyl alcohol (PVA) mixed greenclay and aloe vera based polymeric membrane optimization: Peel-off mask formulation for skin care cosmeceuticals in green nanotechnology. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1229, 129592	3.4	12
129	Orally administered self-emulsifying drug delivery system in disease management: advancement and patents. <i>Expert Opinion on Drug Delivery</i> , <b>2021</b> , 18, 315-332	8	13
128	Questions concerning the proximal origin of SARS-CoV-2. <i>Journal of Medical Virology</i> , <b>2021</b> , 93, 1204-1206	6.7	31
127	Polymeric nanoencapsulation of zaleplon into PLGA nanoparticles for enhanced pharmacokinetics and pharmacological activity. <i>Biopharmaceutics and Drug Disposition</i> , <b>2021</b> , 42, 12-23	1.7	13
126	Recent advancement and biomedical applications of fungal metabolites <b>2021</b> , 47-67		0
125	Advancements on microparticles-based drug delivery systems for cancer therapy <b>2021</b> , 351-358		0
124	Stem Cell-Based Products in the Market. <i>Pancreatic Islet Biology</i> , <b>2021</b> , 269-298	0.4	
123	Novel Controlled Release Pulmonary Drug Delivery Systems: Current updates and Challenges <b>2021</b> , 253-272		2
122	Targeting siRNAs in cancer drug delivery <b>2021</b> , 447-460		1
121	Bioinspired Nanomaterials for Improving Sensing and Imaging Spectroscopy <b>2021</b> , 191-212		1
120	Targeting eosinophils in respiratory diseases: Biological axis, emerging therapeutics and treatment modalities. <i>Life Sciences</i> , <b>2021</b> , 267, 118973	6.8	6
119	Nanoarchitectures in Management of Fungal Diseases: An Overview. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7119	2.6	0

118	Pharmaceutical Aspects of Green Synthesized Silver Nanoparticles: A Boon to Cancer Treatment. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2021</b> , 21, 1490-1509	2.2	4
117	Novel polyurethane based particulate formulations of infliximab reduce inflammation in DSS induced murine model of colitis - A preliminary study. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 604, 120717	6.5	0
116	SARS-CoV-2 research using human pluripotent stem cells and organoids. <i>Stem Cells Translational Medicine</i> , <b>2021</b> , 10, 1491-1499	6.9	5
115	The viral capsid as novel nanomaterials for drug delivery. <i>Future Science OA</i> , <b>2021</b> , 7, FSO744	2.7	3
114	Overview of key molecular and pharmacological targets for diabetes and associated diseases. <i>Life Sciences</i> , <b>2021</b> , 278, 119632	6.8	4
113	Hypoxia-Inducible Factor (HIF): Fuel for Cancer Progression. <i>Current Molecular Pharmacology</i> , <b>2021</b> , 14, 321-332	3.7	4
112	Porphyromonas gingivalis (W83) Infection Induces Alzheimer's Disease-Like Pathophysiology in Obese and Diabetic Mice. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 82, 1259-1275	4.3	4
111	An Overview of Copper Nanoparticles: Synthesis, Characterisation and Anticancer Activity. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 4416-4432	3.3	1
110	Perfluorocarbons Therapeutics in Modern Cancer Nanotechnology for Hypoxia-induced Anti-tumor Therapy. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 4376-4387	3.3	
109	An Overview of Nano Delivery Systems for Targeting RNA Interference-based Therapy in Ulcerative Colitis. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 2904-2914	3.3	1
108	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. <i>Autoimmunity Reviews</i> , <b>2021</b> , 20, 102941	13.6	9
107	A Potential MRI Agent and an Anticancer Drug Encapsulated within CPMV Virus-Like Particles. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2021</b> , 24, 1557-1571	1.3	4
106	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. <i>Environmental Research</i> , <b>2021</b> , 204, 112092	7.9	1
105	Potential Molecular Mechanisms of Rare Anti-Tumor Immune Response by SARS-CoV-2 in Isolated Cases of Lymphomas. <i>Viruses</i> , <b>2021</b> , 13,	6.2	1
104	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. <i>Autoimmunity Reviews</i> , <b>2021</b> , 20, 102909	13.6	4
103	Nanotechnology based advanced therapeutic strategies for targeting interleukins in chronic respiratory diseases. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 348, 109637	5	2
102	Targeting LIN28: a new hope in prostate cancer theranostics. <i>Future Oncology</i> , <b>2021</b> , 17, 3873-3880	3.6	1
101	Implications derived from S-protein variants of SARS-CoV-2 from six continents. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 191, 934-955	7.9	1

100	Clinical utility of novel biosensing platform: Diagnosis of coronavirus SARS-CoV-2 at point of care. <i>Materials Letters</i> , <b>2021</b> , 304, 130612	3.3	1
99	Polymorphic Variants in 5'-UTR Regions of the RAD51 Gene are Associated With RAD51 Expression and Triple-Negative Breast Cancer (TNBC): A Case-Control Study. <i>Applied Immunohistochemistry and Molecular Morphology</i> , <b>2021</b> , 29, 270-276	1.9	2
98	Nanocelluloses in Wound Healing Applications <b>2021</b> , 1-28		0
97	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. <i>Molecules</i> , <b>2020</b> , 25,	4.8	21
96	Plants derived therapeutic strategies targeting chronic respiratory diseases: Chemical and immunological perspective. <i>Chemico-Biological Interactions</i> , <b>2020</b> , 325, 109125	5	24
95	COVID-19 pandemic: an overview of epidemiology, pathogenesis, diagnostics and potential vaccines and therapeutics. <i>Therapeutic Delivery</i> , <b>2020</b> , 11, 245-268	3.8	69
94	Application of Nanomaterials in the Diagnosis and Treatment of Genetic Disorders <b>2020</b> , 125-146		7
93	Hybrid molecules based on 1,3,5-triazine as potential therapeutics: A focused review. <i>Drug Development Research</i> , <b>2020</b> , 81, 837-858	5.1	12
92	Emerging era of "somes": polymersomes as versatile drug delivery carrier for cancer diagnostics and therapy. <i>Drug Delivery and Translational Research</i> , <b>2020</b> , 10, 1171-1190	6.2	34
91	Anti-bacterial activity of inorganic nanomaterials and their antimicrobial peptide conjugates against resistant and non-resistant pathogens. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 586, 119531	6.5	18
90	The secondary bile acids, ursodeoxycholic acid and lithocholic acid, protect against intestinal inflammation by inhibition of epithelial apoptosis. <i>Physiological Reports</i> , <b>2020</b> , 8, e14456	2.6	26
89	Cellular signalling pathways mediating the pathogenesis of chronic inflammatory respiratory diseases: an update. <i>Inflammopharmacology</i> , <b>2020</b> , 28, 795-817	5.1	35
88	Dietary Crocin is Protective in Pancreatic Cancer while Reducing Radiation-Induced Hepatic Oxidative Damage. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	14
87	Monotherapy of RAAS blockers and mobilization of aldosterone: A mechanistic perspective study in kidney disease. <i>Chemico-Biological Interactions</i> , <b>2020</b> , 317, 108975	5	10
86	Emerging trends in clinical implications of bio-conjugated silver nanoparticles in drug delivery. <i>Colloids and Interface Science Communications</i> , <b>2020</b> , 35, 100244	5.4	41
85	Efficacy of resveratrol encapsulated microsponges delivered by pectin based matrix tablets in rats with acetic acid-induced ulcerative colitis. <i>Drug Development and Industrial Pharmacy</i> , <b>2020</b> , 46, 365-375	3.6	4
84	Nanocarriers: more than tour de force for thymoquinone. <i>Expert Opinion on Drug Delivery</i> , <b>2020</b> , 17, 479-494	4.9	14
83	Immunological axis of berberine in managing inflammation underlying chronic respiratory inflammatory diseases. <i>Chemico-Biological Interactions</i> , <b>2020</b> , 317, 108947	5	15

82	Enhanced oral bioavailability and hepatoprotective activity of thymoquinone in the form of phospholipidic nano-constructs. <i>Expert Opinion on Drug Delivery</i> , <b>2020</b> , 17, 237-253	8	7
81	Nanoencapsulation of sophorolipids in PEGylated poly(lactide-co-glycolide) as a novel approach to target colon carcinoma in the murine model. <i>Drug Delivery and Translational Research</i> , <b>2020</b> , 10, 1353-1366	6.2	20
80	The Remarkable Pharmacological Efficacy of Saffron Spice via Antioxidant, Immunomodulatory, and Antitumor Activities <b>2020</b> , 245-262		
79	Molecular mechanisms of action of naringenin in chronic airway diseases. <i>European Journal of Pharmacology</i> , <b>2020</b> , 879, 173139	5.3	29
78	Role of immune checkpoint inhibitors in the revolutionization of advanced melanoma care. <i>International Immunopharmacology</i> , <b>2020</b> , 83, 106417	5.8	18
77	Going Beyond Antibiotics: Natural Plant Extracts as an Emergent Strategy to Combat Biofilm-Associated Infections. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , <b>2020</b> , 39, 125-136	2.1	7
76	Role of the Serine/Threonine Kinase 11 (STK11) or Liver Kinase B1 (LKB1) Gene in Peutz-Jeghers Syndrome. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2020</b> , 30, 245-252	1.3	2
75	Targeting lung cancer using advanced drug delivery systems <b>2020</b> , 493-516		1
74	Effects of <i>Artemisia judaica</i> essential oil and ethanolic extract on experimentally-induced benign prostatic hyperplasia. <i>Pharmacognosy Magazine</i> , <b>2020</b> , 16, 569	0.8	1
73	Current biological and pharmacological updates on wogonin. <i>EXCLI Journal</i> , <b>2020</b> , 19, 635-640	2.4	2
72	Nucleic Acid Aptamers as a Potential Nucleus Targeted Drug Delivery System. <i>Current Drug Delivery</i> , <b>2020</b> , 17, 101-111	3.2	11
71	Recent Advances in Self-Assembled Nanoparticles for Drug Delivery. <i>Current Drug Delivery</i> , <b>2020</b> , 17, 279-291	3.2	14
70	COVID-19: Underpinning Research for Detection, Therapeutics, and Vaccines Development. <i>Pharmaceutical Nanotechnology</i> , <b>2020</b> , 8, 323-353	4	8
69	Antiproliferative effects of boswellic acid-loaded chitosan nanoparticles on human lung cancer cell line A549. <i>Future Medicinal Chemistry</i> , <b>2020</b> , 12, 2019-2034	4.1	16
68	Advancement in translational respiratory research using nanotechnology <b>2020</b> , 211-225		
67	Beyond the Obvious: Smoking and Respiratory Infection Implications on Alzheimer's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2020</b> , 19, 698-708	2.6	2
66	Chronic respiratory diseases: An introduction and need for novel drug delivery approaches <b>2020</b> , 1-31		7
65	Oxidative Stress and Immunological Complexities in Multidrug-Resistant Tuberculosis <b>2020</b> , 107-124		2



64	Alzheimer's disease-like perturbations in HIV-mediated neuronal dysfunctions: understanding mechanisms and developing therapeutic strategies. <i>Open Biology</i> , <b>2020</b> , 10, 200286	7	5
63	Albumin Nano-Encapsulation of Piceatannol Enhances Its Anticancer Potential in Colon Cancer Via Downregulation of Nuclear p65 and HIF-1 $\beta$ . <i>Cancers</i> , <b>2020</b> , 12,	6.6	52
62	Molecular signaling of G-protein-coupled receptor in chronic heart failure and associated complications. <i>Drug Development Research</i> , <b>2020</b> , 81, 23-31	5.1	7
61	Emerging therapeutic potential of the iridoid molecule, asperuloside: A snapshot of its underlying molecular mechanisms. <i>Chemico-Biological Interactions</i> , <b>2020</b> , 315, 108911	5	14
60	Small interfering RNA for cancer treatment: overcoming hurdles in delivery. <i>Acta Pharmaceutica Sinica B</i> , <b>2020</b> , 10, 2075-2109	15.5	30
59	Development of a novel HPTLC fingerprint method for simultaneous estimation of berberine and rutin in medicinal plants and their pharmaceutical preparations followed by its application in antioxidant assay. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2020</b> , 33, 313-319	0.9	4
58	Probing 3CL protease: Rationally designed chemical moieties for COVID-19. <i>Drug Development Research</i> , <b>2020</b> , 81, 911	5.1	5
57	Co-delivery of a RanGTP inhibitory peptide and doxorubicin using dual-loaded liposomal carriers to combat chemotherapeutic resistance in breast cancer cells. <i>Expert Opinion on Drug Delivery</i> , <b>2020</b> , 17, 1655-1669	8	19
56	Beta-catenin non-canonical pathway: A potential target for inflammatory and hyperproliferative state via expression of transglutaminase 2 in psoriatic skin keratinocyte. <i>Dermatologic Therapy</i> , <b>2020</b> , 33, e14209	2.2	9
55	Gold nanoparticles attenuate albuminuria by inhibiting podocyte injury in a rat model of diabetic nephropathy. <i>Drug Delivery and Translational Research</i> , <b>2020</b> , 10, 216-226	6.2	20
54	Dissolution Profile at Different Biological pH Conditions of Hydroxychloroquine Sulfate Tablets Is Available for the Treatment of COVID-19. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 613393	5.6	8
53	Targeting neutrophils using novel drug delivery systems in chronic respiratory diseases. <i>Drug Development Research</i> , <b>2020</b> , 81, 419-436	5.1	37
52	Central composite designed formulation, characterization and in vitro cytotoxic effect of erlotinib loaded chitosan nanoparticulate system. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 141, 596-610	7.9	7
51	Emerging trends in the novel drug delivery approaches for the treatment of lung cancer. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 309, 108720	5	94
50	Antibacterial and antioxidant potential of biosynthesized copper nanoparticles mediated through <i>Cissus arnotiana</i> plant extract. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2019</b> , 197, 111531	6.7	93
49	Hypoxia-inducible factor hydroxylase inhibition enhances the protective effects of cyclosporine in colitis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2019</b> , 317, G90-G97	5.1	7
48	Smart dendrimers: Synergizing the targeting of anticancer bioactives. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 52, 15-26	4.5	21
47	Dynamics of Prolyl Hydroxylases Levels During Disease Progression in Experimental Colitis. <i>Inflammation</i> , <b>2019</b> , 42, 2032-2036	5.1	6

46	Combinational effect of angiotensin receptor blocker and folic acid therapy on uric acid and creatinine level in hyperhomocysteinemia-associated hypertension. <i>Biotechnology and Applied Biochemistry</i> , <b>2019</b> , 66, 715-719	2.8	13
45	The potential of siRNA based drug delivery in respiratory disorders: Recent advances and progress. <i>Drug Development Research</i> , <b>2019</b> , 80, 714-730	5.1	40
44	Gold-coated plant virus as computed tomography imaging contrast agent. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 1983-1993	3	19
43	Preparation, characterization and in-vitro efficacy of quercetin loaded liquid crystalline nanoparticles for the treatment of asthma. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 54, 101297	4.5	17
42	Frankincense essential oil suppresses melanoma cancer through down regulation of Bcl-2/Bax cascade signaling and ameliorates hepatotoxicity via phase I and II drug metabolizing enzymes. <i>Oncotarget</i> , <b>2019</b> , 10, 3472-3490	3.3	8
41	Dendrimer Based Nanoarchitectures in Diabetes Management: An Overview. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 2569-2583	3.3	8
40	Emerging Complexity and the Need for Advanced Drug Delivery in Targeting Candida Species. <i>Current Topics in Medicinal Chemistry</i> , <b>2019</b> , 19, 2593-2609	3	21
39	Bio-analytical Assay Methods used in Therapeutic Drug Monitoring of Antiretroviral Drugs-A Review. <i>Current Drug Therapy</i> , <b>2019</b> , 14, 16-57	0.7	2
38	In Vivo Anti Cancer Potential of Pyrogallol in Murine Model of Colon Cancer. <i>Asian Pacific Journal of Cancer Prevention</i> , <b>2019</b> , 20, 2645-2651	1.7	2
37	Nanoemulsions as Effective Carriers for the Treatment of Lung Cancer <b>2019</b> , 217-247		15
36	Emergence of Three Dimensional Printed Cardiac Tissue: Opportunities and Challenges in Cardiovascular Diseases. <i>Current Cardiology Reviews</i> , <b>2019</b> , 15, 188-204	2.4	6
35	Oral adjuvant therapy for colorectal cancer: recent developments and future targets. <i>Therapeutic Delivery</i> , <b>2019</b> , 10, 659-669	3.8	2
34	Nanoneuromedicine for management of neurodegenerative disorder. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 49, 477-490	4.5	22
33	Albumin nano-encapsulation of caffeic acid phenethyl ester and piceatannol potentiated its ability to modulate HIF and NF-kB pathways and improves therapeutic outcome in experimental colitis. <i>Drug Delivery and Translational Research</i> , <b>2019</b> , 9, 14-24	6.2	23
32	Effect of poly(ethylene glycol) content and formulation parameters on particulate properties and intraperitoneal delivery of insulin from PLGA nanoparticles prepared using the double-emulsion evaporation procedure. <i>Pharmaceutical Development and Technology</i> , <b>2018</b> , 23, 370-381	3.4	24
31	Caffeic acid phenethyl ester is protective in experimental ulcerative colitis via reduction in levels of pro-inflammatory mediators and enhancement of epithelial barrier function. <i>Inflammopharmacology</i> , <b>2018</b> , 26, 561-569	5.1	37
30	Enhanced cutaneous wound healing in rats following topical delivery of insulin-loaded nanoparticles embedded in poly(vinyl alcohol)-borate hydrogels. <i>Drug Delivery and Translational Research</i> , <b>2018</b> , 8, 1053-1065	6.2	21
29	Polymeric Nano-Encapsulation of Curcumin Enhances its Anti-Cancer Activity in Breast (MDA-MB231) and Lung (A549) Cancer Cells Through Reduction in Expression of HIF-1 $\alpha$ and Nuclear p53 (Rel A). <i>Current Drug Delivery</i> , <b>2018</b> , 15, 286-295	3.2	45

28	Caffeic acid phenethyl ester (CAPE) reverses fibrosis caused by chronic colon inflammation in murine model of colitis. <i>Pathology Research and Practice</i> , <b>2018</b> , 214, 1909-1911	3.4	14
27	Intermittent hypoxia in obstructive sleep apnoea mediates insulin resistance through adipose tissue inflammation. <i>European Respiratory Journal</i> , <b>2017</b> , 49,	13.6	81
26	Ursodeoxycholic acid and lithocholic acid exert anti-inflammatory actions in the colon. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 312, G550-G558	5.1	87
25	Three-dimensional bio-printing: A new frontier in oncology research. <i>World Journal of Clinical Oncology</i> , <b>2017</b> , 8, 21-36	2.5	41
24	Application of three-dimensional printing for colon targeted drug delivery systems. <i>International Journal of Pharmaceutical Investigation</i> , <b>2017</b> , 7, 47-59	1.5	15
23	REST is a hypoxia-responsive transcriptional repressor. <i>Scientific Reports</i> , <b>2016</b> , 6, 31355	4.9	42
22	Natural Nuclear Factor Kappa Beta Inhibitors: Safe Therapeutic Options for Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , <b>2016</b> , 22, 719-23	4.5	20
21	Hydroxylase inhibition regulates inflammation-induced intestinal fibrosis through the suppression of ERK-mediated TGF- $\beta$ signaling. [corrected]. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 311, G1076-G1090	5.1	16
20	Prolyl hydroxylase-1 regulates hepatocyte apoptosis in an NF- $\kappa$ B-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 474, 579-586	3.4	21
19	Targeted delivery of the hydroxylase inhibitor DMOG provides enhanced efficacy with reduced systemic exposure in a murine model of colitis. <i>Journal of Controlled Release</i> , <b>2015</b> , 217, 221-7	11.7	52
18	The Impact of Hydroxylase Inhibition on TGF- $\beta$ Induced Fibrosis Associated with Inflammatory Bowel Disease. <i>FASEB Journal</i> , <b>2015</b> , 29, LB689	0.9	
17	Impact of Hydroxylase inhibitors on fibrosis associated with IBD (LB789). <i>FASEB Journal</i> , <b>2014</b> , 28, LB789.9	0.9	
16	A dynamic model of the hypoxia-inducible factor 1 $\alpha$ (HIF-1 $\alpha$ ) network. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 1454-63	5.3	82
15	Regulation of IL-1 $\beta$ induced NF- $\kappa$ B by hydroxylases links key hypoxic and inflammatory signaling pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 18490-5	11.5	115
14	A dynamic model of the hypoxia-inducible factor (HIF) network. <i>FASEB Journal</i> , <b>2013</b> , 27, 717.12	0.9	
13	Prolyl Hydroxylase 1 (PHD1) and Factor Inhibiting HIF (FIH) regulate IL-1 $\beta$ induced NF- $\kappa$ B activity linking key hypoxic and inflammatory signaling pathways. <i>FASEB Journal</i> , <b>2013</b> , 27, 717.9	0.9	1
12	An intact canonical NF- $\kappa$ B pathway is required for inflammatory gene expression in response to hypoxia. <i>Journal of Immunology</i> , <b>2011</b> , 186, 1091-6	5.3	117
11	The hydroxylase inhibitor dimethyloxallyl glycine attenuates endotoxic shock via alternative activation of macrophages and IL-10 production by B1 cells. <i>Shock</i> , <b>2011</b> , 36, 295-302	3.4	79

10	MicroRNA-155 promotes resolution of hypoxia-inducible factor 1alpha activity during prolonged hypoxia. <i>Molecular and Cellular Biology</i> , <b>2011</b> , 31, 4087-96	4.8	204
9	Loss of prolyl hydroxylase-1 protects against colitis through reduced epithelial cell apoptosis and increased barrier function. <i>Gastroenterology</i> , <b>2010</b> , 139, 2093-101	13.3	142
8	PGC-1alpha is coupled to HIF-1alpha-dependent gene expression by increasing mitochondrial oxygen consumption in skeletal muscle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 2188-93	11.5	142
7	Correction for O'Hagan et al., PGC-1 is coupled to HIF-1 dependent gene expression by increasing mitochondrial oxygen consumption in skeletal muscle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 5449-5449	11.5	78
6	Molecular nanoinformatics approach assessing the biocompatibility of biogenic silver nanoparticles with channelized intrinsic steatosis and apoptosis. <i>Green Chemistry</i> ,	10	4
5	Unique features concerning the proximal origin of SARS-CoV-2		2
4	A unique view of SARS-CoV-2 through the lens of ORF8 protein		5
3	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-COV-2		6
2	Variability of Accessory Proteins Rules the SARS-CoV-2 Pathogenicity		4
1	An Issue of Concern: Unique Truncated ORF8 Protein Variants of SARS-CoV-2		1