Alaa A A Aljabali

List of Publications by Year
in descending order

136 papers	3,707 citations	126708 33 h-index	168136 53 g-index
148 all docs	148 docs citations	148 times ranked	4022 citing authors

#	Article	IF	Citations
1	Synthesis of Gold Nanoparticles Using Leaf Extract of Ziziphus zizyphus and their Antimicrobial Activity. Nanomaterials, 2018, 8, 174.	1.9	239
2	CPMV-DOX Delivers. Molecular Pharmaceutics, 2013, 10, 3-10.	2.3	139
3	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. ACS Nano, 2021, 15, 8069-8086.	7.3	134
4	The structural basis of accelerated host cell entry by SARSâ€CoVâ€2â€. FEBS Journal, 2021, 288, 5010-5020.	2.2	129
5	Small interfering RNA for cancer treatment: overcoming hurdles in delivery. Acta Pharmaceutica Sinica B, 2020, 10, 2075-2109.	5.7	116
6	COVID-19 pandemic: an overview of epidemiology, pathogenesis, diagnostics and potential vaccines and therapeutics. Therapeutic Delivery, 2020, 11, 245-268.	1.2	113
7	Fused deposition modelling: Current status, methodology, applications and future prospects. Additive Manufacturing, 2021, 47, 102378.	1.7	99
8	Interior Engineering of a Viral Nanoparticle and Its Tumor Homing Properties. Biomacromolecules, 2012, 13, 3990-4001.	2.6	94
9	Endothelium-derived extracellular vesicles promote splenic monocyte mobilization in myocardial infarction. JCI Insight, 2017, 2, .	2.3	75
10	Virus templated metallic nanoparticles. Nanoscale, 2010, 2, 2596.	2.8	74
11	Albumin Nano-Encapsulation of Piceatannol Enhances Its Anticancer Potential in Colon Cancer Via Downregulation of Nuclear p65 and HIF-1Î±. Cancers, 2020, 12, 113.	1.7	74
12	A critical review on multifunctional smart materials â€˜nanographeneâ€™ emerging avenue: nano-imaging and biosensor applications. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 691-707.	6.8	73
13	Cowpea Mosaic Virus Unmodified Empty Viruslike Particles Loaded with Metal and Metal Oxide. Small, 2010, 6, 818-821.	5.2	72
14	Current-status and applications of polysaccharides in drug delivery systems. Colloids and Interface Science Communications, 2021, 42, 100418.	2.0	66
15	Cellular signalling pathways mediating the pathogenesis of chronic inflammatory respiratory diseases: an update. Inflammopharmacology, 2020, 28, 795-817.	1.9	65
16	Redox-active ferrocene-modified Cowpea mosaic virus nanoparticles. Dalton Transactions, 2010, 39, 7569.	1.6	58
17	Questions concerning the proximal origin of SARSâ€CoVâ€2. Journal of Medical Virology, 2021, 93, 1204-1206.	2.5	56
18	Emerging era of â€œsomesâ€• polymersomes as versatile drug delivery carrier for cancer diagnostics and therapy. Drug Delivery and Translational Research, 2020, 10, 1171-1190.	3.0	54

#	Article	IF	Citations
19	Graphene-assembly liquid crystalline and nanopolymer hybridization: A review on switchable device implementations. Chemosphere, 2021, 263, 128104.	4.2	51
20	An overview of vaccine development for COVID-19. Therapeutic Delivery, 2021, 12, 235-244.	1.2	51
21	Alginate: Enhancement Strategies for Advanced Applications. International Journal of Molecular Sciences, 2022, 23, 4486.	1.8	50
22	Controlled immobilisation of active enzymes on the cowpea mosaic virus capsid. Nanoscale, 2012, 4, 5640.	2.8	49
23	Antiproliferative effects of boswellic acid-loaded chitosan nanoparticles on human lung cancer cell line A549. Future Medicinal Chemistry, 2020, 12, 2019-2034.	1.1	49
24	A unique view of SARS-CoV-2 through the lens of ORF8 protein. Computers in Biology and Medicine, 2021, 133, 104380.	3.9	48
25	Covalent assembly of nanoparticles as a peptidase-degradable platform for molecular MRI. Nature Communications, 2017, 8, 14254.	5.8	46
26	Environmentally benign synthesis of virus-templated, monodisperse, iron-platinum nanoparticles. Dalton Transactions, 2009, , 8479.	1.6	44
27	Polyvinyl alcohol (PVA) mixed greenâ€“clay and aloe vera based polymeric membrane optimization: Peel-off mask formulation for skin care cosmeceuticals in green nanotechnology. Journal of Molecular Structure, 2021, 1229, 129592.	1.8	41
28	Crocin Inhibits Angiogenesis and Metastasis in Colon Cancer via TNF-Î±/NF-ĸB/VEGF Pathways. Cells, 2022, 11, 1502.	1.8	41
29	CPMV-Polyelectrolyte-Templated Gold Nanoparticles. Biomacromolecules, 2011, 12, 2723-2728.	2.6	40
30	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. Autoimmunity Reviews, 2021, 20, 102941.	2.5	39
31	Gold nanoparticles attenuate albuminuria by inhibiting podocyte injury in a rat model of diabetic nephropathy. Drug Delivery and Translational Research, 2020, 10, 216-226.	3.0	37
32	Orally administered self-emulsifying drug delivery system in disease management: advancement and patents. Expert Opinion on Drug Delivery, 2021, 18, 315-332.	2.4	37
33	Immunological axis of berberine in managing inflammation underlying chronic respiratory inflammatory diseases. Chemico-Biological Interactions, 2020, 317, 108947.	1.7	36
34	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. International Journal of Biological Macromolecules, 2021, 181, 801-809.	3.6	36
35	Anti-bacterial activity of inorganic nanomaterials and their antimicrobial peptide conjugates against resistant and non-resistant pathogens. International Journal of Pharmaceutics, 2020, 586, 119531.	2.6	35
36	Chemically-coupled-peptide-promoted virus nanoparticle templated mineralization. Integrative Biology (United Kingdom), 2011, 3, 119-125.	0.6	34

#	Article	IF	Citations
37	Peptideâ€€Controlled Access to the Interior Surface of Empty Virus Nanoparticles. ChemBioChem, 2011, 12, 2435-2440.	1.3	34
38	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. Molecules, 2020, 25, 5906.	1.7	33
39	Effect of gold nanoparticles treatment on the testosterone-induced benign prostatic hyperplasia in rats . International Journal of Nanomedicine, 2019, Volume 14, 3145-3154.	3.3	32
40	Dietary Crocin is Protective in Pancreatic Cancer while Reducing Radiation-Induced Hepatic Oxidative Damage. Nutrients, 2020, 12, 1901.	1.7	32
41	Fourthâ€generation glucose sensors composed of copper nanostructures for diabetes management: A critical review. Bioengineering and Translational Medicine, 2022, 7, e10248.	3.9	32
42	Genetic Engineering and Characterization of Cowpea Mosaic Virus Empty Virus-Like Particles. Methods in Molecular Biology, 2014, 1108, 139-153.	0.4	31
43	Structure-based design and experimental engineering of a plant virus nanoparticle for the presentation of immunogenic epitopes and as a drug carrier. Journal of Biomolecular Structure and Dynamics, 2014, 32, 630-647.	2.0	30
44	Charge Modified Cowpea Mosaic Virus Particles for Templated Mineralization. Advanced Functional Materials, 2011, 21, 4137-4142.	7.8	28
45	Gold-coated plant virus as computed tomography imaging contrast agent. Beilstein Journal of Nanotechnology, 2019, 10, 1983-1993.	1.5	28
46	COVID-19 Vaccines and Thrombosisâ€”Roadblock or Dead-End Street?. Biomolecules, 2021, 11, 1020.	1.8	28
47	The Importance of Research on the Origin of SARS-CoV-2. Viruses, 2020, 12, 1203.	1.5	27
48	Self-nanoemulsifying drug delivery system (SNEDDS) mediated improved oral bioavailability of thymoquinone: optimization, characterization, pharmacokinetic, and hepatotoxicity studies. Drug Delivery and Translational Research, 2023, 13, 292-307.	3.0	25
49	Association Between MTHFR 677C>T Polymorphism and Vitamin B12 Deficiency: A Case-Control Study. Journal of Medical Biochemistry, 2018, 37, 141-147.	0.7	24
50	Recent updates in curcumin delivery. Journal of Liposome Research, 2023, 33, 53-64.	1.5	24
51	Structural Insights into Magnetic Clusters Grown Inside Virus Capsids. ACS Applied Materials & Interfaces, 2014, 6, 20936-20942.	4.0	23
52	Monitoring the Disassembly of Virus-like Particles by ¹⁹F-NMR. Journal of the American Chemical Society, 2017, 139, 5277-5280.	6.6	23
53	Circadian Rhythm Disruption and Alzheimerâ€™s Disease: The Dynamics of a Vicious Cycle. Current Neuropharmacology, 2020, 19, 248-264.	1.4	22
54	Inorganic-organic Nanomaterials for Therapeutics and Molecular Imaging Applications. Nanoscience and Nanotechnology - Asia, 2020, 10, 748-765.	0.3	22

#	Article	IF	Citations
55	Biosynthesis of gold nanoparticles using leaf extract of Dittrichia viscosa and in vivo assessment of its anti-diabetic efficacy. Drug Delivery and Translational Research, 2022, 12, 2993-2999.	3.0	22
56	Hybrid molecules based on 1,3,5â€triazine as potential therapeutics: A focused review. Drug Development Research, 2020, 81, 837-858.	1.4	21
57	Synthesis, Characterization, and Assessment of Anti-Cancer Potential of ZnO Nanoparticles in an In Vitro Model of Breast Cancer. Molecules, 2022, 27, 1827.	1.7	21
58	Predicting COVID-19â€"Comorbidity Pathway Crosstalk-Based Targets and Drugs: Towards Personalized COVID-19 Management. Biomedicines, 2021, 9, 556.	1.4	20
59	Hypoxia-Inducible Factor (HIF): Fuel for Cancer Progression. Current Molecular Pharmacology, 2021, 14, 321-332.	0.7	20
60	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2. Archives of Biochemistry and Biophysics, 2022, 717, 109124.	1.4	20
61	Rapid Magnetic Nanobiosensor for the detection ofSerratia marcescen. IOP Conference Series: Materials Science and Engineering, 2018, 305, 012005.	0.3	19
62	Nucleic Acid Aptamers as a Potential Nucleus Targeted Drug Delivery System. Current Drug Delivery, 2020, 17, 101-111.	0.8	19
63	Polymorphisms and Mutations in GSTP1, RAD51, XRCC1 and XRCC3 Genes in Breast Cancer Patients. International Journal of Biological Markers, 2017, 32, 337-343.	0.7	18
64	Alleviation of diabetic nephropathy by zinc oxide nanoparticles in streptozotocinâ€induced type 1 diabetes in rats. IET Nanobiotechnology, 2021, 15, 473-483.	1.9	17
65	Synthesis and Anticancer Properties of â€˜Azoleâ€™ Based Chemotherapeutics as Emerging Chemical Moieties: A Comprehensive Review. Current Organic Chemistry, 2021, 25, 654-668.	0.9	17
66	Gold Nanoparticles Ameliorate Diabetic Cardiomyopathy in Streptozotocin-Induced Diabetic Rats. Journal of Molecular Structure, 2021, 1231, 130009.	1.8	17
67	4,977â€bp human mitochondrial DNA deletion is associated with asthenozoospermic infertility in Jordan. Andrologia, 2020, 52, e13379.	1.0	16
68	Targeting eosinophils in respiratory diseases: Biological axis, emerging therapeutics and treatment modalities. Life Sciences, 2021, 267, 118973.	2.0	16
69	Biomedical applications of threeâ€dimensional bioprinted craniofacial tissue engineering. Bioengineering and Translational Medicine, 2023, 8, .	3.9	16
70	Monotherapy of RAAS blockers and mobilization of aldosterone: A mechanistic perspective study in kidney disease. Chemico-Biological Interactions, 2020, 317, 108975.	1.7	15
71	Inhibitory Effect of Thymoquinone on Testosteroneâ€Induced Benign Prostatic Hyperplasia in Wistar Rats. Phytotherapy Research, 2017, 31, 1910-1915.	2.8	14
72	Dynamics of Prolyl Hydroxylases Levels During Disease Progression in Experimental Colitis. Inflammation, 2019, 42, 2032-2036.	1.7	14

#	Article	IF	Citations
73	The viral capsid as novel nanomaterials for drug delivery. Future Science OA, 2021, 7, FSO744.	0.9	14
74	An Overview of Copper Nanoparticles: Synthesis, Characterisation and Anticancer Activity. Current Pharmaceutical Design, 2021, 27, 4416-4432.	0.9	13
75	Polyelectrolyte-Modified Cowpea Mosaic Virus for the Synthesis of Gold Nanoparticles. Methods in Molecular Biology, 2014, 1108, 97-103.	0.4	13
76	COVID-19: Underpinning Research for Detection, Therapeutics, and Vaccines Development. Pharmaceutical Nanotechnology, 2020, 8, 323-353.	0.6	13
77	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. International Journal of Biological Macromolecules, 2022, 194, 128-143.	3.6	13
78	siRNA Delivery to Melanoma Cells with Cationic Niosomes. Methods in Molecular Biology, 2021, 2265, 621-634.	0.4	12
79	Heat shock proteins gene expression and physiological responses in durum wheat (Triticum durum) under salt stress. Physiology and Molecular Biology of Plants, 2020, 26, 1599-1608.	1.4	11
80	Nanoarchitectures in Management of Fungal Diseases: An Overview. Applied Sciences (Switzerland), 2021, 11, 7119.	1.3	10
81	Pharmaceutical Aspects of Green Synthesized Silver Nanoparticles: A Boon to Cancer Treatment. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 1490-1509.	0.9	10
82	Potential Molecular Mechanisms of Rare Anti-Tumor Immune Response by SARS-CoV-2 in Isolated Cases of Lymphomas. Viruses, 2021, 13, 1927.	1.5	10
83	Implications derived from S-protein variants of SARS-CoV-2 from six continents. International Journal of Biological Macromolecules, 2021, 191, 934-955.	3.6	10
84	Role of the Serine/Threonine Kinase 11 (STK11) or Liver Kinase B1 (LKB1) Gene in Peutz-Jeghers Syndrome. Critical Reviews in Eukaryotic Gene Expression, 2020, 30, 245-252.	0.4	10
85	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. Journal of Planar Chromatography - Modern TLC, 2020, 33, 313-319.	0.6	9
86	Application of Nanomaterials in the Diagnosis and Treatment of Genetic Disorders. , 2020, , 125-146.		9
87	CAG Repeats in the androgen receptor gene is associated with oligozoospermia and teratozoospermia in infertile men in Jordan. Andrologia, 2020, 52, e13728.	1.0	9
88	Use of Nanoparticles in Delivery of Nucleic Acids for Melanoma Treatment. Methods in Molecular Biology, 2021, 2265, 591-620.	0.4	9
89	Porphyromonas gingivalis (W83) Infection Induces Alzheimerâ€™s Disease-Like Pathophysiology in Obese and Diabetic Mice. Journal of Alzheimer's Disease, 2021, 82, 1259-1275.	1.2	9
90	A Potential MRI Agent and an Anticancer Drug Encapsulated within CPMV Virus-Like Particles. Combinatorial Chemistry and High Throughput Screening, 2021, 24, 1557-1571.	0.6	9

#	Article	IF	Citations
91	Templated Mineralization by Charge-Modified Cowpea Mosaic Virus. Methods in Molecular Biology, 2014, 1108, 89-95.	0.4	9
92	Hydrogel composite containing azelaic acid and tea tree essential oil as a therapeutic strategy for Propionibacterium and testosterone-induced acne. Drug Delivery and Translational Research, 2022, 12, 2501-2517.	3.0	9
93	Exploiting the Metabolism of the Gut Microbiome as a Vehicle for Targeted Drug Delivery to the Colon. Pharmaceuticals, 2021, 14, 1211.	1.7	9
94	Natureâ€™s nanoparticles: using viruses as nanomedicines and for bioimaging. , 2018, , 29-50.		8
95	Exosomal mediated signal transduction through artificial microRNA (amiRNA): A potential target for inhibition of SARS-CoV-2. Cellular Signalling, 2022, 95, 110334.	1.7	8
96	Internal Deposition of Cobalt Metal and Iron Oxide Within CPMV eVLPs. Methods in Molecular Biology, 2018, 1776, 189-201.	0.4	7
97	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. Autoimmunity Reviews, 2021, 20, 102909.	2.5	7
98	Azelaic acid and Melaleuca alternifolia essential oil co-loaded vesicular carrier for combinational therapy of acne. Therapeutic Delivery, 2021, , .	1.2	7
99	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2. PeerJ, 2022, 10, e13136.	0.9	7
100	Oral Nanoemulsion of Fenofibrate: Formulation, Characterization, and In Vitro Drug Release Studies. Assay and Drug Development Technologies, 2021, 19, 246-261.	0.6	6
101	Innovative Applications of Plant Viruses in Drug Targeting and Molecular Imaging- A Review. Current Medical Imaging, 2021, 17, 491-506.	0.4	6
102	Overview of key molecular and pharmacological targets for diabetes and associated diseases. Life Sciences, 2021, 278, 119632.	2.0	6
103	Targeting LIN28: a new hope in prostate cancer theranostics. Future Oncology, 2021, 17, 3873-3880.	1.1	6
104	Associations and Diseaseâ€“Disease Interactions of COVID-19 with Congenital and Genetic Disorders: A Comprehensive Review. Viruses, 2022, 14, 910.	1.5	6
105	Chemical engineering of protein cages and nanoparticles for pharmaceutical applications. , 2020, , 415-433.		5
106	Novel polyurethane based particulate formulations of infliximab reduce inflammation in DSS induced murine model of colitis â€“ A preliminary study. International Journal of Pharmaceutics, 2021, 604, 120717.	2.6	5
107	The use of zebrafish model in prostate cancer therapeutic development and discovery. Cancer Chemotherapy and Pharmacology, 2021, 87, 311-325.	1.1	5
108	Nanosuspensions - An Update on Recent Patents, Methods of Preparation, and Evaluation Parameters. Recent Patents on Nanotechnology, 2021, 15, 351-366.	0.7	5

#	Article	IF	Citations
109	Novel Controlled Release Pulmonary Drug Delivery Systems: Current updates and Challenges. , 2021, , 253-272.		4
110	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. Environmental Research, 2022, 204, 112092.	3.7	4
111	Clinical utility of novel biosensing platform: Diagnosis of coronavirus SARS-CoV-2 at point of care. Materials Letters, 2021, 304, 130612.	1.3	4
112	COVID-19 in 2021. Viruses, 2021, 13, 2098.	1.5	4
113	Nanocelluloses in Sensing Technology. , 2021, , 1-30.		4
114	Nature bioinspired and engineered nanomaterials. , 2022, , 31-58.		4
115	Bugs as drugs: neglected but a promising future therapeutic strategy in cancer. Future Oncology, 2022, 18, 1609-1626.	1.1	4
116	Graduate students reported practices regarding the issue of informed consent and maintaining of data confidentiality in a developing country. Heliyon, 2020, 6, e04940.	1.4	3
117	Endovascular management of acute mesenteric ischemia in a young patient with thyrotoxicosis and atrial fibrillation: A case report and review of the literature. International Journal of Surgery Case Reports, 2020, 76, 190-194.	0.2	3
118	Targeting siRNAs in cancer drug delivery. , 2021, , 447-460.		3
119	Urgent Need for Field Surveys of Coronaviruses in Southeast Asia to Understand the SARS-CoV-2 Phylogeny and Risk Assessment for Future Outbreaks. Biomolecules, 2021, 11, 398.	1.8	3
120	Homologous G776G Variant of Transcobalamin-II Gene is Linked to Vitamin B12 Deficiency. International Journal for Vitamin and Nutrition Research, 2020, 90, 151-155.	0.6	3
121	Would New SARS-CoV-2 Variants Change the War against COVID-19?. Epidemiologia, 2022, 3, 229-237.	1.1	3
122	Evaluation of Vitamin B12, Folate and Ferritin Serum Levels in Jordanian Population. Journal of Nutritional Science and Vitaminology, 2019, 65, 309-317.	0.2	2
123	Latest advances in triple-negative breast cancer nanotheranostics. , 2021, , 385-407.		2
124	Effect of Estrogen and Progesterone Hormones on the Expression of Angiotensin II Receptors in the Heart and Aorta of Male Rats. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2021, 21, 1504-1511.	0.6	2
125	Current biological and pharmacological updates on wogonin. EXCLI Journal, 2020, 19, 635-640.	0.5	2
126	Liquid crystalline polymer-based bio-nanocomposites for spectroscopic applications. , 2022, , 141-162.		2

#	Article	IF	Citations
127	Polymorphisms, antioxidant genes, and cancer. , 2021, , 101-110.		1
128	Bioinspired Nanomaterials for Improving Sensing and Imaging Spectroscopy. , 2021, , 191-212.		1
129	Aâ€...Endothelium-derived extracellular vesicles promote splenic monocyte mobilisation in myocardial infarction. Heart, 2017, 103, A150.1-A150.	1.2	0
130	Highly Toxic Nanomaterials for Cancer Treatment. , 2021, , 161-185.		0
131	A new frontier in switchable bioelectronics and bionanotechnology interfaces. , 2022, , 25-42.		0
132	Chronic Light-Distorted Glutamate-Cortisol Signaling, Behavioral and Histological Markers, and Induced Oxidative Stress and Dementia: An Amelioration by Melatonin. ACS Chemical Neuroscience, 2022, , .	1.7	0
133	Conclusion, Outlook, and Prospects: Bionanomaterials in Clinical Utilization. , 2022, , 177-194.		0
134	Nanocelluloses in Wound Healing Applications. , 2022, , 649-676.		0
135	Nanocelluloses in Sensing Technology. , 2022, , 745-774.		0
136	Nanocelluloses as a Novel Vehicle for Controlled Drug Delivery. , 2022, , 507-542.		0