

# Alaa A A Aljabali

## 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.

129  
papers

1,937  
citations

24  
h-index

39  
g-index

148  
ext. papers

2,799  
ext. citations

5.4  
avg, IF

5.28  
L-index

#	Paper	IF	Citations
129	A new frontier in switchable bioelectronics and bionanotechnology interfaces <b>2022</b> , 25-42		
128	Nature bioinspired and engineered nanomaterials <b>2022</b> , 31-58		0
127	Liquid crystalline polymer-based bio-nanocomposites for spectroscopic applications <b>2022</b> , 141-162		0
126	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
125	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
124	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
123	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2.. <i>PeerJ</i> , <b>2022</b> , 10, e13136	3.1	1
122	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
121	Would New SARS-CoV-2 Variants Change the War against COVID-19?. <i>Epidemiologia</i> , <b>2022</b> , 3, 229-237	2.8	0
120	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
119	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
118	Crocin Inhibits Angiogenesis and Metastasis in Colon Cancer via TNF- $\alpha$ /NF- $\kappa$ B/VEGF Pathways.. <i>Cells</i> , <b>2022</b> , 11,	7.9	3
117	Conclusion, Outlook, and Prospects: Bionanomaterials in Clinical Utilization <b>2022</b> , 177-194		
116	Nanocelluloses in Wound Healing Applications <b>2022</b> , 649-676		
115	Nanocelluloses in Sensing Technology <b>2022</b> , 745-774		
114	Nanocelluloses as a Novel Vehicle for Controlled Drug Delivery <b>2022</b> , 507-542		
113	Nanocelluloses as a Novel Vehicle for Controlled Drug Delivery <b>2021</b> , 1-37		1

112	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
111	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
110	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
109	Nanocelluloses in Sensing Technology <b>2021</b> , 1-30		2
108	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
107	Effect of Estrogen and Progesterone Hormones on the Expression of Angiotensin II Receptors in the Heart and Aorta of Male Rats. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , <b>2021</b> , 21, 1504-1511	2.2	0
106	Fused deposition modelling: Current status, methodology, applications and future prospects. <i>Additive Manufacturing</i> , <b>2021</b> , 47, 102378	6.1	18
105	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
104	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
103	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
102	An overview of vaccine development for COVID-19. <i>Therapeutic Delivery</i> , <b>2021</b> , 12, 235-244	3.8	17
101	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
100	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
99	Gold Nanoparticles Ameliorate Diabetic Cardiomyopathy in Streptozotocin-Induced Diabetic Rats. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1231, 130009	3.4	9
98	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
97	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
96	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
95	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

94	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
93	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
92	COVID-19 Vaccines and Thrombosis-Roadblock or Dead-End Street?. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	13
91	Polyvinyl alcohol (PVA) mixed green clay 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
90	Graphene-assembly liquid crystalline and nanopolymer hybridization: A review on switchable device implementations. <i>Chemosphere</i> , <b>2021</b> , 263, 128104	8.4	25
89	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
88	Questions concerning the proximal origin of SARS-CoV-2. <i>Journal of Medical Virology</i> , <b>2021</b> , 93, 1204-1206	6.7	31
87	Use of Nanoparticles in Delivery of Nucleic Acids for Melanoma Treatment. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2265, 591-620	1.4	2
86	Latest advances in triple-negative breast cancer nanotheranostics <b>2021</b> , 385-407		1
85	Novel Controlled Release Pulmonary Drug Delivery Systems: Current updates and Challenges <b>2021</b> , 253-272		2
84	Targeting siRNAs in cancer drug delivery <b>2021</b> , 447-460		1
83	Polymorphisms, antioxidant genes, and cancer <b>2021</b> , 101-110		1
82	Highly Toxic Nanomaterials for Cancer Treatment <b>2021</b> , 161-185		
81	Bioinspired Nanomaterials for Improving Sensing and Imaging Spectroscopy <b>2021</b> , 191-212		1
80	Targeting eosinophils in respiratory diseases: Biological axis, emerging therapeutics and treatment modalities. <i>Life Sciences</i> , <b>2021</b> , 267, 118973	6.8	6
79	Nanoarchitectures in Management of Fungal Diseases: An Overview. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7119	2.6	0
78	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
77	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

76	The viral capsid as novel nanomaterials for drug delivery. <i>Future Science OA</i> , <b>2021</b> , 7, FSO744	2.7	3
75	Overview of key molecular and pharmacological targets for diabetes and associated diseases. <i>Life Sciences</i> , <b>2021</b> , 278, 119632	6.8	4
74	Hypoxia-Inducible Factor (HIF): Fuel for Cancer Progression. <i>Current Molecular Pharmacology</i> , <b>2021</b> , 14, 321-332	3.7	4
73	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
72	An Overview of Copper Nanoparticles: Synthesis, Characterisation and Anticancer Activity. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 4416-4432	3.3	1
71	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. <i>Autoimmunity Reviews</i> , <b>2021</b> , 20, 102941	13.6	9
70	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
69	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
68	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
67	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. <i>Autoimmunity Reviews</i> , <b>2021</b> , 20, 102909	13.6	4
66	Targeting LIN28: a new hope in prostate cancer theranostics. <i>Future Oncology</i> , <b>2021</b> , 17, 3873-3880	3.6	1
65	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
64	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
63	siRNA Delivery to Melanoma Cells with Cationic Niosomes. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2265, 621-634	1.4	4
62	The use of zebrafish model in prostate cancer therapeutic development and discovery. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2021</b> , 87, 311-325	3.5	1
61	Nanocelluloses in Wound Healing Applications <b>2021</b> , 1-28		0
60	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. <i>Molecules</i> , <b>2020</b> , 25,	4.8	21
59	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

58	Application of Nanomaterials in the Diagnosis and Treatment of Genetic Disorders <b>2020</b> , 125-146		7
57	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
56	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
55	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
54	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
53	Chemical engineering of protein cages and nanoparticles for pharmaceutical applications <b>2020</b> , 415-433		2
52	CAG Repeats in the androgen receptor gene is associated with oligozoospermia and teratozoospermia in infertile men in Jordan. <i>Andrologia</i> , <b>2020</b> , 52, e13728	2.4	5
51	Dietary Crocin is Protective in Pancreatic Cancer while Reducing Radiation-Induced Hepatic Oxidative Damage. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	14
50	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
49	Immunological axis of berberine in managing inflammation underlying chronic respiratory inflammatory diseases. <i>Chemico-Biological Interactions</i> , <b>2020</b> , 317, 108947	5	15
48	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
47	Current biological and pharmacological updates on wogonin. <i>EXCLI Journal</i> , <b>2020</b> , 19, 635-640	2.4	2
46	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
45	Inorganic-organic Nanomaterials for Therapeutics and Molecular Imaging Applications. <i>Nanoscience and Nanotechnology - Asia</i> , <b>2020</b> , 10, 748-765	0.7	13
44	COVID-19: Underpinning Research for Detection, Therapeutics, and Vaccines Development. <i>Pharmaceutical Nanotechnology</i> , <b>2020</b> , 8, 323-353	4	8
43	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
42	Homologous G776G Variant of Gene is Linked to Vitamin B12 Deficiency. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2020</b> , 90, 151-155	1.7	1
41	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

40	4,977-bp human mitochondrial DNA deletion is associated with asthenozoospermic infertility in Jordan. <i>Andrologia</i> , <b>2020</b> , 52, e13379	2.4	11
39	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
38	Graduate students reported practices regarding the issue of informed consent and maintaining of data confidentiality in a developing country. <i>Heliyon</i> , <b>2020</b> , 6, e04940	3.6	1
37	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
36	Heat shock proteins gene expression and physiological responses in durum wheat () under salt stress. <i>Physiology and Molecular Biology of Plants</i> , <b>2020</b> , 26, 1599-1608	2.8	4
35	Endovascular management of acute mesenteric ischemia in a young patient with thyrotoxicosis and atrial fibrillation: A case report and review of the literature. <i>International Journal of Surgery Case Reports</i> , <b>2020</b> , 76, 190-194	0.8	3
34	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
33	Evaluation of Vitamin B12, Folate and Ferritin Serum Levels in Jordanian Population. <i>Journal of Nutritional Science and Vitaminology</i> , <b>2019</b> , 65, 309-317	1.1	0
32	Effect of gold nanoparticles treatment on the testosterone-induced benign prostatic hyperplasia in rats. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 3145-3154	7.3	17
31	Dynamics of Prolyl Hydroxylases Levels During Disease Progression in Experimental Colitis. <i>Inflammation</i> , <b>2019</b> , 42, 2032-2036	5.1	6
30	Gold-coated plant virus as computed tomography imaging contrast agent. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 1983-1993	3	19
29	Association between MTHFR 677C>T Polymorphism and Vitamin B12 Deficiency: A Case-control Study. <i>Journal of Medical Biochemistry</i> , <b>2018</b> , 37, 141-147	1.9	13
28	Synthesis of Gold Nanoparticles Using Leaf Extract of <i>Ziziphus zizyphus</i> and their Antimicrobial Activity. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	164
27	Nature <sup>®</sup> nanoparticles: using viruses as nanomedicines and for bioimaging <b>2018</b> , 29-50		6
26	Internal Deposition of Cobalt Metal and Iron Oxide Within CPMV eVLPs. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1776, 189-201	1.4	6
25	Rapid Magnetic Nanobiosensor for the detection of <i>Serratia marcescens</i> . <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 305, 012005	0.4	16
24	Covalent assembly of nanoparticles as a peptidase-degradable platform for molecular MRI. <i>Nature Communications</i> , <b>2017</b> , 8, 14254	17.4	36
23	Monitoring the Disassembly of Virus-like Particles by F-NMR. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5277-5280	16.4	14



22	Inhibitory Effect of Thymoquinone on Testosterone-Induced Benign Prostatic Hyperplasia in Wistar Rats. <i>Phytotherapy Research</i> , <b>2017</b> , 31, 1910-1915	6.7	11
21	A Endothelium-derived extracellular vesicles promote splenic monocyte mobilisation in myocardial infarction. <i>Heart</i> , <b>2017</b> , 103, A150.1-A150	5.1	
20	Polymorphisms and mutations in GSTP1, RAD51, XRCC1 and XRCC3 genes in breast cancer patients. <i>International Journal of Biological Markers</i> , <b>2017</b> , 32, e337-e343	2.8	12
19	Endothelium-derived extracellular vesicles promote splenic monocyte mobilization in myocardial infarction. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	46
18	Genetic engineering and characterization of Cowpea mosaic virus empty virus-like particles. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1108, 139-53	1.4	23
17	Structure-based design and experimental engineering of a plant virus nanoparticle for the presentation of immunogenic epitopes and as a drug carrier. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2014</b> , 32, 630-47	3.6	22
16	Structural insights into magnetic clusters grown inside virus capsids. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 20936-42	9.5	19
15	Templated mineralization by charge-modified cowpea mosaic virus. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1108, 89-95	1.4	8
14	Polyelectrolyte-modified cowpea mosaic virus for the synthesis of gold nanoparticles. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1108, 97-103	1.4	10
13	CPMV-DOX delivers. <i>Molecular Pharmaceutics</i> , <b>2013</b> , 10, 3-10	5.6	116
12	Interior engineering of a viral nanoparticle and its tumor homing properties. <i>Biomacromolecules</i> , <b>2012</b> , 13, 3990-4001	6.9	81
11	Controlled immobilisation of active enzymes on the cowpea mosaic virus capsid. <i>Nanoscale</i> , <b>2012</b> , 4, 5640-5	3.9	39
10	Chemically-coupled-peptide-promoted virus nanoparticle templated mineralization. <i>Integrative Biology (United Kingdom)</i> , <b>2011</b> , 3, 119-25	3.7	29
9	Charge Modified Cowpea Mosaic Virus Particles for Templated Mineralization. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 4137-4142	15.6	25
8	Peptide-controlled access to the interior surface of empty virus nanoparticles. <i>ChemBioChem</i> , <b>2011</b> , 12, 2435-40	3.8	29
7	CPMV-polyelectrolyte-templated gold nanoparticles. <i>Biomacromolecules</i> , <b>2011</b> , 12, 2723-8	6.9	33
6	Virus templated metallic nanoparticles. <i>Nanoscale</i> , <b>2010</b> , 2, 2596-600	7.7	62
5	Redox-active ferrocene-modified Cowpea mosaic virus nanoparticles. <i>Dalton Transactions</i> , <b>2010</b> , 39, 7562-34	3.4	49



4	Cowpea mosaic virus unmodified empty viruslike particles loaded with metal and metal oxide. <i>Small</i> , <b>2010</b> , 6, 818-21	11	63
3	Environmentally benign synthesis of virus-templated, monodisperse, iron-platinum nanoparticles. <i>Dalton Transactions</i> , <b>2009</b> , 8479-80	4-3	38
2	An Issue of Concern: Unique Truncated ORF8 Protein Variants of SARS-CoV-2		1
1	A critical review on multifunctional smart materials [nanographene] Emerging avenue: nano-imaging and biosensor applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 1-17	10.1	17