

Mohamad Gabriel Alameh

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,139
citations

361296

20
h-index

526166

27
g-index

32
all docs

32
docs citations

32
times ranked

2746
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterial Delivery Systems for mRNA Vaccines. <i>Vaccines</i> , 2021, 9, 65.	2.1	310
2	D614G Spike Mutation Increases SARS CoV-2 Susceptibility to Neutralization. <i>Cell Host and Microbe</i> , 2021, 29, 23-31.e4.	5.1	308
3	Lipid nanoparticles enhance the efficacy of mRNA and protein subunit vaccines by inducing robust T follicular helper cell and humoral responses. <i>Immunity</i> , 2021, 54, 2877-2892.e7.	6.6	260
4	An ionizable lipid toolbox for RNA delivery. <i>Nature Communications</i> , 2021, 12, 7233.	5.8	182
5	Ionization and structural properties of mRNA lipid nanoparticles influence expression in intramuscular and intravascular administration. <i>Communications Biology</i> , 2021, 4, 956.	2.0	151
6	Scalable mRNA and siRNA Lipid Nanoparticle Production Using a Parallelized Microfluidic Device. <i>Nano Letters</i> , 2021, 21, 5671-5680.	4.5	120
7	Ionizable lipid nanoparticles for in utero mRNA delivery. <i>Science Advances</i> , 2021, 7, .	4.7	110
8	siRNA Delivery with Chitosan: Influence of Chitosan Molecular Weight, Degree of Deacetylation, and Amine to Phosphate Ratio on in Vitro Silencing Efficiency, Hemocompatibility, Biodistribution, and in Vivo Efficacy. <i>Biomacromolecules</i> , 2018, 19, 112-131.	2.6	91
9	Highly efficient CD4+ T cell targeting and genetic recombination using engineered CD4+ cell-homing mRNA-LNPs. <i>Molecular Therapy</i> , 2021, 29, 3293-3304.	3.7	88
10	Chitosan-based therapeutic nanoparticles for combination gene therapy and gene silencing of in vitro cell lines relevant to type 2 diabetes. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 138-149.	1.9	64
11	Low molecular weight chitosan nanoparticulate system at low N:P ratio for nontoxic polynucleotide delivery. <i>International Journal of Nanomedicine</i> , 2012, 7, 1399.	3.3	49
12	Vaccine Technologies and Platforms for Infectious Diseases: Current Progress, Challenges, and Opportunities. <i>Vaccines</i> , 2021, 9, 1490.	2.1	48
13	Rational Design of Bisphosphonate Lipid-like Materials for mRNA Delivery to the Bone Microenvironment. <i>Journal of the American Chemical Society</i> , 2022, 144, 9926-9937.	6.6	46
14	Messenger RNA-Based Vaccines Against Infectious Diseases. <i>Current Topics in Microbiology and Immunology</i> , 2020, , 111-145.	0.7	43
15	Effective and safe gene-based delivery of GLP-1 using chitosan/plasmid-DNA therapeutic nanocomplexes in an animal model of type 2 diabetes. <i>Gene Therapy</i> , 2011, 18, 807-816.	2.3	40
16	Hydroxycholesterol substitution in ionizable lipid nanoparticles for mRNA delivery to T cells. <i>Journal of Controlled Release</i> , 2022, 347, 521-532.	4.8	33
17	Amniotic fluid stabilized lipid nanoparticles for in utero intra-amniotic mRNA delivery. <i>Journal of Controlled Release</i> , 2022, 341, 616-633.	4.8	29
18	Lipid nanoparticle chemistry determines how nucleoside base modifications alter mRNA delivery. <i>Journal of Controlled Release</i> , 2022, 341, 206-214.	4.8	27

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19	Efficiency of Chitosan/Hyaluronan-Based mRNA Delivery Systems In Vitro: Influence of Composition and Structure. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1581-1593.	1.6	25
20	Rational design of anti-inflammatory lipid nanoparticles for mRNA delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1101-1108.	2.1	23
21	Chitosanase-based method for RNA isolation from cells transfected with chitosan/siRNA nanocomplexes for real-time RT-PCR in gene silencing. <i>International Journal of Nanomedicine</i> , 2010, 5, 473.	3.3	21
22	Trivalent nucleoside-modified mRNA vaccine yields durable memory B cell protection against genital herpes in preclinical models. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	17
23	Automated in-line mixing system for large scale production of chitosan-based polyplexes. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 253-263.	5.0	15
24	Quality of Cartilage Repair from Marrow Stimulation Correlates with Cell Number, Clonogenic, Chondrogenic, and Matrix Production Potential of Underlying Bone Marrow Stromal Cells in a Rabbit Model. <i>Cartilage</i> , 2021, 12, 237-250.	1.4	9
25	Poly(2-Propylacrylic Acid) Increases In Vitro Bioactivity of Chitosan/mRNA Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3439-3449.	1.6	7
26	Modified E2 Glycoprotein of Hepatitis C Virus Enhances Proinflammatory Cytokines and Protective Immune Response. <i>Journal of Virology</i> , 2022, 96, .	1.5	7
27	Antibodies to Crucial Epitopes on HSV-2 Glycoprotein D as a Guide to Dosing an mRNA Genital Herpes Vaccine. <i>Viruses</i> , 2022, 14, 540.	1.5	6
28	Nucleoside modifications of in vitro transcribed mRNA to reduce immunogenicity and improve translation of prophylactic and therapeutic antigens. , 2022, , 141-169.		4
29	Purification and Surface Modification of Chitosan-based Polyplexes Using Tangential Flow Filtration and Coating by Hyaluronic Acid. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 2857-2866.	1.6	0