## Jeonghwan Kim

List of Publications by Year in descending order

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IFONCHWAN KIM

#	Article	IF	CITATIONS
1	Nanomedicine hitchhikes on neutrophils to the inflamed lung. Nature Nanotechnology, 2022, 17, 1-2.	31.5	19
2	Chemistry of Lipid Nanoparticles for RNA Delivery. Accounts of Chemical Research, 2022, 55, 2-12.	15.6	230
3	Mining LTR-retrotransposon genes for mRNA delivery. Trends in Pharmacological Sciences, 2022, , .	8.7	Ο
4	Matrix stiffness regulates lipid nanoparticle-mRNA delivery in cell-laden hydrogels. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 42, 102550.	3.3	5
5	Illuminating endosomal escape of polymorphic lipid nanoparticles that boost mRNA delivery. Biomaterials Science, 2021, 9, 4289-4300.	5.4	52
6	Self-assembled mRNA vaccines. Advanced Drug Delivery Reviews, 2021, 170, 83-112.	13.7	248
7	RNA-Based Therapeutics: Current Developments in Targeted Molecular Therapy of Triple-Negative Breast Cancer. Pharmaceutics, 2021, 13, 1694.	4.5	17
8	Engineered mutant α-ENaC subunit mRNA delivered by lipid nanoparticles reduces amiloride currents in cystic fibrosis–based cell and mice models. Science Advances, 2020, 6, .	10.3	13
9	Deconvoluting Lipid Nanoparticle Structure for Messenger RNA Delivery. Nano Letters, 2020, 20, 4543-4549.	9.1	193
10	Naturally Derived Membrane Lipids Impact Nanoparticle-Based Messenger RNA Delivery. Cellular and Molecular Bioengineering, 2020, 13, 463-474.	2.1	34
11	Naturally-occurring cholesterol analogues in lipid nanoparticles induce polymorphic shape and enhance intracellular delivery of mRNA. Nature Communications, 2020, 11, 983.	12.8	221
12	The effects of PEGylation on LNP based mRNA delivery to the eye. PLoS ONE, 2020, 15, e0241006.	2.5	91
13	Brief update on endocytosis of nanomedicines. Advanced Drug Delivery Reviews, 2019, 144, 90-111.	13.7	251
14	NanoDDS 2018: The 16th International Nanomedicine & Drug Delivery Symposium. Journal of Controlled Release, 2019, 310, 22-23.	9.9	1
15	Advances in intracellular delivery through supramolecular self-assembly of oligonucleotides and peptides. Theranostics, 2019, 9, 3191-3212.	10.0	50
16	Micellar Formulation of Talazoparib and Buparlisib for Enhanced DNA Damage in Breast Cancer Chemoradiotherapy. ACS Applied Materials & Interfaces, 2019, 11, 12342-12356.	8.0	17
17	Drug induced micellization into ultra-high capacity and stable curcumin nanoformulations: Physico-chemical characterization and evaluation in 2D and 3D in vitro models. Journal of Controlled Release, 2019, 303, 162-180.	9.9	59
18	Lipid nanoparticles for delivery of messenger RNA to the back of the eye. Journal of Controlled Release, 2019, 303, 91-100.	9.9	134

JEONGHWAN KIM

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19	Messenger RNA Delivery for Tissue Engineering and Regenerative Medicine Applications. Tissue Engineering - Part A, 2019, 25, 91-112.	3.1	68
20	Supramolecular self assembly of nanodrill-like structures for intracellular delivery. Journal of Controlled Release, 2018, 282, 76-89.	9.9	21
21	Nanoalginates via Inverse-Micelle Synthesis: Doxorubicin-Encapsulation and Breast Cancer Cytotoxicity. Nanoscale Research Letters, 2018, 13, 350.	5.7	13
22	Biodistribution and Toxicity of Micellar Platinum Nanoparticles in Mice via Intravenous Administration. Nanomaterials, 2018, 8, 410.	4.1	30
23	Lipid Nanoparticle-Delivered Chemically Modified mRNA Restores Chloride Secretion in Cystic Fibrosis. Molecular Therapy, 2018, 26, 2034-2046.	8.2	184
24	Boosting Intracellular Delivery of Lipid Nanoparticle-Encapsulated mRNA. Nano Letters, 2017, 17, 5711-5718.	9.1	167
25	PEGylated polypeptide lipid nanocapsules to enhance the anticancer efficacy of erlotinib in non-small cell lung cancer. Colloids and Surfaces B: Biointerfaces, 2017, 150, 393-401.	5.0	32
26	Molecularly targeted co-delivery of a histone deacetylase inhibitor and paclitaxel by lipid-protein hybrid nanoparticles for synergistic combinational chemotherapy. Oncotarget, 2017, 8, 14925-14940.	1.8	38
27	PEGylated lipid bilayer-supported mesoporous silica nanoparticle composite for synergistic co-delivery of axitinib and celastrol in multi-targeted cancer therapy. Acta Biomaterialia, 2016, 39, 94-105.	8.3	116
28	In vitro and ex vivo strategies for intracellular delivery. Nature, 2016, 538, 183-192.	27.8	662
29	PEG-lipid micelles enable cholesterol efflux in Niemann-Pick Type C1 disease-based lysosomal storage disorder. Scientific Reports, 2016, 6, 31750.	3.3	33
30	Lipopeptide nanoparticles for potent and selective siRNA delivery in rodents and nonhuman primates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3955-3960.	7.1	366
31	Novel Dual Drug-Loaded Block Ionomer Complex Micelles for Enhancing the Efficacy of Chemotherapy Treatments. Journal of Biomedical Nanotechnology, 2014, 10, 1304-1312.	1.1	38
32	Efficiency of siRNA delivery by lipid nanoparticles is limited by endocytic recycling. Nature Biotechnology, 2013, 31, 653-658.	17.5	660
33	Endocytosis of nanomedicines. Journal of Controlled Release, 2010, 145, 182-195.	9.9	1,755
34	The utilization of pathogen-like cellular trafficking by single chain block copolymer. Biomaterials, 2010, 31, 1757-1764.	11.4	47
35	Different Internalization Pathways of Polymeric Micelles and Unimers and Their Effects on Vesicular Transport. Bioconjugate Chemistry, 2008, 19, 2023-2029.	3.6	163