Yuen Yi C Tam

List of Publications by Citations

33 papers	1,988 citations	24 h-index	35 g-index
35 ext. papers	2,493 ext. citations	7.4 avg, IF	4.74 L-index

#	Paper	IF	Citations
33	On the Formation and Morphology of Lipid Nanoparticles Containing Ionizable Cationic Lipids and siRNA. *ACS Nano*, **2018**, 12, 4787-4795	16.7	156
32	Influence of Polyethylene Glycol Lipid Desorption Rates on Pharmacokinetics and Pharmacodynamics of siRNA Lipid Nanoparticles. *Molecular Therapy - Nucleic Acids*, **2013**, 2, e139	10.7	146
31	Pex3p initiates the formation of a preperoxisomal compartment from a subdomain of the endoplasmic reticulum in Saccharomyces cerevisiae. *Journal of Biological Chemistry*, **2005**, 280, 34933-9	5.4	136
30	Quantitative mass spectrometry reveals a role for the GTPase Rho1p in actin organization on the peroxisome membrane. *Journal of Cell Biology*, **2004**, 167, 1099-112	7.3	132
29	Advances in Lipid Nanoparticles for siRNA Delivery. *Pharmaceutics*, **2013**, 5, 498-507	6.4	129
28	Influence of particle size on the in vivo potency of lipid nanoparticle formulations of siRNA. *Journal of Controlled Release*, **2016**, 235, 236-244	11.7	121
27	Influence of cationic lipid composition on gene silencing properties of lipid nanoparticle formulations of siRNA in antigen-presenting cells. *Molecular Therapy*, **2011**, 19, 2186-200	11.7	120
26	Microfluidic Mixing: A General Method for Encapsulating Macromolecules in Lipid Nanoparticle Systems. *Journal of Physical Chemistry B*, **2015**, 119, 8698-706	3.4	114
25	Inp1p is a peroxisomal membrane protein required for peroxisome inheritance in Saccharomyces cerevisiae. *Journal of Cell Biology*, **2005**, 169, 765-75	7.3	86
24	Pex11-related proteins in peroxisome dynamics: a role for the novel peroxin Pex27p in controlling peroxisome size and number in Saccharomyces cerevisiae. *Molecular Biology of the Cell*, **2003**, 14, 4089-102	3.5	80
23	Development of lipid nanoparticle formulations of siRNA for hepatocyte gene silencing following subcutaneous administration. *Journal of Controlled Release*, **2014**, 196, 106-12	11.7	74
22	YHR150w and YDR479c encode peroxisomal integral membrane proteins involved in the regulation of peroxisome number, size, and distribution in Saccharomyces cerevisiae. *Journal of Cell Biology*, **2003**, 161, 321-32	7.3	73
21	Lipid nanoparticles for short interfering RNA delivery. *Advances in Genetics*, **2014**, 88, 71-110	3.3	72
20	On the role of helper lipids in lipid nanoparticle formulations of siRNA. *Nanoscale*, **2019**, 11, 21733-21739	7.7	69
19	Design of lipid nanoparticles for in vitro and in vivo delivery of plasmid DNA. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2017**, 13, 1377-1387	6	56
18	Lipid nanoparticle siRNA systems for silencing the androgen receptor in human prostate cancer in vivo. *International Journal of Cancer*, **2012**, 131, E781-90	7.5	53
17	Influence of cationic lipid composition on uptake and intracellular processing of lipid nanoparticle formulations of siRNA. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2013**, 9, 233-46	6	48

List of Publications

16	Fusion-dependent formation of lipid nanoparticles containing macromolecular payloads. *Nanoscale*, **2019**, 11, 9023-9031	7.7	43
15	Synthesis of a labeled RGD-lipid, its incorporation into liposomal nanoparticles, and their trafficking in cultured endothelial cells. *Bioconjugate Chemistry*, **2009**, 20, 1404-11	6.3	36
14	Yarrowia lipolytica cells mutant for the PEX24 gene encoding a peroxisomal membrane peroxin mislocalize peroxisomal proteins and accumulate membrane structures containing both peroxisomal matrix and membrane proteins. *Molecular Biology of the Cell*, **2002**, 13, 2681-91	3.5	31
13	Rapid synthesis of lipid nanoparticles containing hydrophobic inorganic nanoparticles. *Nanoscale*, **2017**, 9, 13600-13609	7.7	30
12	Dexamethasone prodrugs as potent suppressors of the immunostimulatory effects of lipid nanoparticle formulations of nucleic acids. *Journal of Controlled Release*, **2018**, 286, 46-54	11.7	29
11	Small molecule ligands for enhanced intracellular delivery of lipid nanoparticle formulations of siRNA. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2013**, 9, 665-74	6	28
10	The Niemann-Pick C1 Inhibitor NP3.47 Enhances Gene Silencing Potency of Lipid Nanoparticles Containing siRNA. *Molecular Therapy*, **2016**, 24, 2100-2108	11.7	27
9	A Glu-urea-Lys Ligand-conjugated Lipid Nanoparticle/siRNA System Inhibits Androgen Receptor Expression In Vivo. *Molecular Therapy - Nucleic Acids*, **2016**, 5, e348	10.7	22
8	IGFBP2 is neither sufficient nor necessary for the physiological actions of leptin on glucose homeostasis in male ob/ob mice. *Endocrinology*, **2014**, 155, 716-25	4.8	19
7	Spontaneous, solvent-free entrapment of siRNA within lipid nanoparticles. *Nanoscale*, **2020**, 12, 23959-23966	7.7	18
6	Characterization of Lipid Nanoparticles Containing Ionizable Cationic Lipids Using Design-of-Experiments Approach. *Langmuir*, **2021**, 37, 1120-1128	4	15
5	Lipid nanoparticle delivery of glucagon receptor siRNA improves glucose homeostasis in mouse models of diabetes. *Molecular Metabolism*, **2017**, 6, 1161-1172	8.8	12
4	Modular Lipid Nanoparticle Platform Technology for siRNA and Lipophilic Prodrug Delivery. *Small*, **2021**, 17, e2103025	11	5
3	Scalable Production of Lipid Nanoparticles Containing Amphotericin B. *Langmuir*, **2021**, 37, 7312-7319	4	3
2	Protective Effect of Edaravone against Cationic Lipid-Mediated Oxidative Stress and Apoptosis. *Biological and Pharmaceutical Bulletin*, **2021**, 44, 144-149	2.3	3
1	Modular lipid nanoparticle platform technology for siRNA and lipophilic prodrug delivery		2