

# Pieter Cullis

## 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.

126  
papers

24,460  
citations

66  
h-index

135  
g-index

135  
ext. papers

27,778  
ext. citations

9  
avg, IF

7.26  
L-index

#	Paper	IF	Citations
126	Role of drug delivery technologies in the success of COVID-19 vaccines: a perspective.. <i>Drug Delivery and Translational Research</i> , <b>2022</b> , 1	6.2	0
125	Anionic Lipid Nanoparticles Preferentially Deliver mRNA to the Hepatic Reticuloendothelial System.. <i>Advanced Materials</i> , <b>2022</b> , e2201095	24	3
124	Optimized Photoactivatable Lipid Nanoparticles Enable Red Light Triggered Drug Release. <i>Small</i> , <b>2021</b> , 17, e2008198	11	9
123	The current landscape of nucleic acid therapeutics. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 630-643	28.7	104
122	Altering the intra-liver distribution of phospholipid-free small unilamellar vesicles using temperature-dependent size-tunability. <i>Journal of Controlled Release</i> , <b>2021</b> , 333, 151-161	11.7	1
121	PIAS1 modulates striatal transcription, DNA damage repair, and SUMOylation with relevance to Huntington's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
120	Protective Effect of Edaravone against Cationic Lipid-Mediated Oxidative Stress and Apoptosis. <i>Biological and Pharmaceutical Bulletin</i> , <b>2021</b> , 44, 144-149	2.3	3
119	Density Matching Multi-wavelength Analytical Ultracentrifugation to Measure Drug Loading of Lipid Nanoparticle Formulations. <i>ACS Nano</i> , <b>2021</b> , 15, 5068-5076	16.7	3
118	Modular Lipid Nanoparticle Platform Technology for siRNA and Lipophilic Prodrug Delivery. <i>Small</i> , <b>2021</b> , 17, e2103025	11	5
117	FAM13A as potential therapeutic target in modulating TGF- $\beta$ -induced airway tissue remodeling in COPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2021</b> , 321, L377-L391	5.8	0
116	Characterization of Lipid Nanoparticles Containing Ionizable Cationic Lipids Using Design-of-Experiments Approach. <i>Langmuir</i> , <b>2021</b> , 37, 1120-1128	4	15
115	Deep Phenotyping by Mass Cytometry and Single-Cell RNA-Sequencing Reveals LYN-Regulated Signaling Profiles Underlying Monocyte Subset Heterogeneity and Lifespan. <i>Circulation Research</i> , <b>2020</b> , 126, e61-e79	15.7	12
114	Lipid nanoparticle technology for therapeutic gene regulation in the liver. <i>Advanced Drug Delivery Reviews</i> , <b>2020</b> , 159, 344-363	18.5	63
113	Sustained depletion of FXIII-A by inducing acquired FXIII-B deficiency. <i>Blood</i> , <b>2020</b> , 136, 2946-2954	2.2	5
112	Structural Properties of Inverted Hexagonal Phase: A Hybrid Computational and Experimental Approach. <i>Langmuir</i> , <b>2020</b> , 36, 6668-6680	4	2
111	Coating of PLA-nanoparticles with cyclic, arginine-rich cell penetrating peptides enables oral delivery of liraglutide. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 24, 102132	6	20
110	The Biomolecular Corona of Lipid Nanoparticles for Gene Therapy. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 2046-2059	6.3	30

109	Spontaneous, solvent-free entrapment of siRNA within lipid nanoparticles. <i>Nanoscale</i> , <b>2020</b> , 12, 23959-23966	18
108	Characterization of a liposomal copper(II)-quercetin formulation suitable for parenteral use. <i>Drug Delivery and Translational Research</i> , <b>2020</b> , 10, 202-215	6.2 10
107	Lipid nanoparticle-mediated siRNA delivery for safe targeting of human CML in vivo. <i>Annals of Hematology</i> , <b>2019</b> , 98, 1905-1918	3 31
106	Use of a lipid nanoparticle system as a Trojan horse in delivery of gold nanoparticles to human breast cancer cells for improved outcomes in radiation therapy. <i>Cancer Nanotechnology</i> , <b>2019</b> , 10,	7.9 11
105	Fusion-dependent formation of lipid nanoparticles containing macromolecular payloads. <i>Nanoscale</i> , <b>2019</b> , 11, 9023-9031	7.7 43
104	Lipid-Based DNA Therapeutics: Hallmarks of Non-Viral Gene Delivery. <i>ACS Nano</i> , <b>2019</b> , 13, 3754-3782	16.7 122
103	Robust Microfluidic Technology and New Lipid Composition for Fabrication of Curcumin-Loaded Liposomes: Effect on the Anticancer Activity and Safety of Cisplatin. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 3957-3967	5.6 28
102	Lipid Nanoparticle Technology for Clinical Translation of siRNA Therapeutics. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2435-2444	24.3 125
101	Ionizable amino lipid interactions with POPC: implications for lipid nanoparticle function. <i>Nanoscale</i> , <b>2019</b> , 11, 14141-14146	7.7 23
100	Phospholipid-Free Small Unilamellar Vesicles for Drug Targeting to Cells in the Liver. <i>Small</i> , <b>2019</b> , 15, e1901782	11 6
99	The Onpattro story and the clinical translation of nanomedicines containing nucleic acid-based drugs. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 1084-1087	28.7 339
98	On the role of helper lipids in lipid nanoparticle formulations of siRNA. <i>Nanoscale</i> , <b>2019</b> , 11, 21733-21739	7 69
97	Systemic study of solvent-assisted active loading of gambogic acid into liposomes and its formulation optimization for improved delivery. <i>Biomaterials</i> , <b>2018</b> , 166, 13-26	15.6 32
96	Ca <sup>3.2</sup> drives sustained burst-firing, which is critical for absence seizure propagation in reticular thalamic neurons. <i>Epilepsia</i> , <b>2018</b> , 59, 778-791	6.4 21
95	Lipid Nanoparticles Enabling Gene Therapies: From Concepts to Clinical Utility. <i>Nucleic Acid Therapeutics</i> , <b>2018</b> , 28, 146-157	4.8 195
94	On the Formation and Morphology of Lipid Nanoparticles Containing Ionizable Cationic Lipids and siRNA. <i>ACS Nano</i> , <b>2018</b> , 12, 4787-4795	16.7 156
93	State-of-the-Art Design and Rapid-Mixing Production Techniques of Lipid Nanoparticles for Nucleic Acid Delivery. <i>Small Methods</i> , <b>2018</b> , 2, 1700375	12.8 74
92	Dexamethasone prodrugs as potent suppressors of the immunostimulatory effects of lipid nanoparticle formulations of nucleic acids. <i>Journal of Controlled Release</i> , <b>2018</b> , 286, 46-54	11.7 29

91	Lipid Nanoparticle Systems for Enabling Gene Therapies. <i>Molecular Therapy</i> , <b>2017</b> , 25, 1467-1475	11.7	332
90	Lipid nanoparticle delivery of glucagon receptor siRNA improves glucose homeostasis in mouse models of diabetes. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 1161-1172	8.8	12
89	Design of lipid nanoparticles for in vitro and in vivo delivery of plasmid DNA. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 1377-1387	6	56
88	Rapid synthesis of lipid nanoparticles containing hydrophobic inorganic nanoparticles. <i>Nanoscale</i> , <b>2017</b> , 9, 13600-13609	7.7	30
87	Production of limit size nanoliposomal systems with potential utility as ultra-small drug delivery agents. <i>Journal of Liposome Research</i> , <b>2016</b> , 26, 96-102	6.1	25
86	Lipid Nanoparticle Delivery of siRNA to Osteocytes Leads to Effective Silencing of SOST and Inhibition of Sclerostin In Vivo. <i>Molecular Therapy - Nucleic Acids</i> , <b>2016</b> , 5, e363	10.7	29
85	The Niemann-Pick C1 Inhibitor NP3.47 Enhances Gene Silencing Potency of Lipid Nanoparticles Containing siRNA. <i>Molecular Therapy</i> , <b>2016</b> , 24, 2100-2108	11.7	27
84	Introducing pharmacogenetic testing with clinical decision support into primary care: a feasibility study. <i>CMAJ Open</i> , <b>2016</b> , 4, E528-E534	2.5	16
83	A Glu-urea-Lys Ligand-conjugated Lipid Nanoparticle/siRNA System Inhibits Androgen Receptor Expression In Vivo. <i>Molecular Therapy - Nucleic Acids</i> , <b>2016</b> , 5, e348	10.7	22
82	Influence of particle size on the in vivo potency of lipid nanoparticle formulations of siRNA. <i>Journal of Controlled Release</i> , <b>2016</b> , 235, 236-244	11.7	121
81	Microfluidic Mixing: A General Method for Encapsulating Macromolecules in Lipid Nanoparticle Systems. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 8698-706	3.4	114
80	The cellular mechanisms of neuronal swelling underlying cytotoxic edema. <i>Cell</i> , <b>2015</b> , 161, 610-621	56.2	124
79	siRNA Lipid Nanoparticle Potently Silences Clusterin and Delays Progression When Combined with Androgen Receptor Cotargeting in Enzalutamide-Resistant Prostate Cancer. <i>Clinical Cancer Research</i> , <b>2015</b> , 21, 4845-55	12.9	46
78	Systemic Gene Silencing in Primary T Lymphocytes Using Targeted Lipid Nanoparticles. <i>ACS Nano</i> , <b>2015</b> , 9, 6706-16	16.7	106
77	Development of lipid nanoparticle formulations of siRNA for hepatocyte gene silencing following subcutaneous administration. <i>Journal of Controlled Release</i> , <b>2014</b> , 196, 106-12	11.7	74
76	Lipid nanoparticles for short interfering RNA delivery. <i>Advances in Genetics</i> , <b>2014</b> , 88, 71-110	3.3	72
75	Lipid nanoparticle delivery systems for siRNA-based therapeutics. <i>Drug Delivery and Translational Research</i> , <b>2014</b> , 4, 74-83	6.2	103
74	Biodegradable lipids enabling rapidly eliminated lipid nanoparticles for systemic delivery of RNAi therapeutics. <i>Molecular Therapy</i> , <b>2013</b> , 21, 1570-8	11.7	234

73	Liposomal drug delivery systems: from concept to clinical applications. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 36-48	18.5	2898
72	Small molecule ligands for enhanced intracellular delivery of lipid nanoparticle formulations of siRNA. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2013</b> , 9, 665-74	6	28
71	Influence of cationic lipid composition on uptake and intracellular processing of lipid nanoparticle formulations of siRNA. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2013</b> , 9, 233-46	6	48
70	Lipid Nanoparticle Delivery of siRNA to Silence Neuronal Gene Expression in the Brain. <i>Molecular Therapy - Nucleic Acids</i> , <b>2013</b> , 2, e136	10.7	87
69	Influence of Polyethylene Glycol Lipid Desorption Rates on Pharmacokinetics and Pharmacodynamics of siRNA Lipid Nanoparticles. <i>Molecular Therapy - Nucleic Acids</i> , <b>2013</b> , 2, e139	10.7	146
68	Advances in Lipid Nanoparticles for siRNA Delivery. <i>Pharmaceutics</i> , <b>2013</b> , 5, 498-507	6.4	129
67	Lipid Nanoparticles Containing siRNA Synthesized by Microfluidic Mixing Exhibit an Electron-Dense Nanostructured Core. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 18440-18450	3.8	151
66	Bottom-up design and synthesis of limit size lipid nanoparticle systems with aqueous and triglyceride cores using millisecond microfluidic mixing. <i>Langmuir</i> , <b>2012</b> , 28, 3633-40	4	189
65	Lipid nanoparticle siRNA systems for silencing the androgen receptor in human prostate cancer in vivo. <i>International Journal of Cancer</i> , <b>2012</b> , 131, E781-90	7.5	53
64	Maximizing the Potency of siRNA Lipid Nanoparticles for Hepatic Gene Silencing In Vivo**. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 8657-8661	3.6	37
63	Maximizing the potency of siRNA lipid nanoparticles for hepatic gene silencing in vivo. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 8529-33	16.4	570
62	Microfluidic Synthesis of Highly Potent Limit-size Lipid Nanoparticles for In Vivo Delivery of siRNA. <i>Molecular Therapy - Nucleic Acids</i> , <b>2012</b> , 1, e37	10.7	313
61	Systemic RNAi-mediated Gene Silencing in Nonhuman Primate and Rodent Myeloid Cells. <i>Molecular Therapy - Nucleic Acids</i> , <b>2012</b> , 1, e4	10.7	100
60	Development of high-concentration lipoplexes for in vivo gene function studies in vertebrate embryos. <i>Developmental Dynamics</i> , <b>2011</b> , 240, 2108-19	2.9	9
59	Influence of cationic lipid composition on gene silencing properties of lipid nanoparticle formulations of siRNA in antigen-presenting cells. <i>Molecular Therapy</i> , <b>2011</b> , 19, 2186-200	11.7	120
58	Rational design of cationic lipids for siRNA delivery. <i>Nature Biotechnology</i> , <b>2010</b> , 28, 172-6	44.5	1059
57	Development of a weak-base docetaxel derivative that can be loaded into lipid nanoparticles. <i>Journal of Controlled Release</i> , <b>2010</b> , 144, 332-40	11.7	67
56	Influence of drug-to-lipid ratio on drug release properties and liposome integrity in liposomal doxorubicin formulations. <i>Journal of Liposome Research</i> , <b>2008</b> , 18, 145-57	6.1	58

55	Encapsulation in liposomal nanoparticles enhances the immunostimulatory, adjuvant and anti-tumor activity of subcutaneously administered CpG ODN. <i>Cancer Immunology, Immunotherapy</i> , <b>2007</b> , 56, 1251-64	7.4	93
54	Effects of intravenous and subcutaneous administration on the pharmacokinetics, biodistribution, cellular uptake and immunostimulatory activity of CpG ODN encapsulated in liposomal nanoparticles. <i>International Immunopharmacology</i> , <b>2007</b> , 7, 1064-75	5.8	56
53	Formation of drug-arylsulfonate complexes inside liposomes: a novel approach to improve drug retention. <i>Journal of Controlled Release</i> , <b>2006</b> , 110, 378-386	11.7	54
52	Therapeutically optimized rates of drug release can be achieved by varying the drug-to-lipid ratio in liposomal vincristine formulations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2006</b> , 1758, 55-64	3.8	103
51	"Diffusible-PEG-Lipid Stabilized Plasmid Lipid Particles". <i>Advances in Genetics</i> , <b>2005</b> , 53PA, 157-188	3.3	21
50	Drug delivery systems: entering the mainstream. <i>Science</i> , <b>2004</b> , 303, 1818-22	33.3	3515
49	Stabilized plasmid-lipid particles: a systemic gene therapy vector. <i>Methods in Enzymology</i> , <b>2002</b> , 346, 36-71	1.7	56
48	On the mechanism whereby cationic lipids promote intracellular delivery of polynucleic acids. <i>Gene Therapy</i> , <b>2001</b> , 8, 1188-96	4	402
47	Roles of lipid polymorphism in intracellular delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2001</b> , 47, 139-48	18.5	201
46	Developments in liposomal drug delivery systems. <i>Expert Opinion on Biological Therapy</i> , <b>2001</b> , 1, 923-47	5.4	225
45	Spontaneous entrapment of polynucleotides upon electrostatic interaction with ethanol-destabilized cationic liposomes. <i>Biophysical Journal</i> , <b>2001</b> , 80, 2310-26	2.9	172
44	Efficient encapsulation of antisense oligonucleotides in lipid vesicles using ionizable aminolipids: formation of novel small multilamellar vesicle structures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2001</b> , 1510, 152-66	3.8	270
43	Stabilized plasmid-lipid particles for systemic gene therapy. <i>Gene Therapy</i> , <b>2000</b> , 7, 1867-74	4	133
42	Commentary: Liposomes by Accident. <i>Journal of Liposome Research</i> , <b>2000</b> , 10, ix-xxiv	6.1	7
41	Stabilized plasmid-lipid particles: construction and characterization. <i>Gene Therapy</i> , <b>1999</b> , 6, 271-81	4	249
40	Lipid-based systems for the intracellular delivery of genetic drugs. <i>Molecular Membrane Biology</i> , <b>1999</b> , 16, 129-40	3.4	76
39	Interactions of liposomes and lipid-based carrier systems with blood proteins: Relation to clearance behaviour in vivo. <i>Advanced Drug Delivery Reviews</i> , <b>1998</b> , 32, 3-17	18.5	299
38	Anomalous solubility behavior of the antibiotic ciprofloxacin encapsulated in liposomes: a 1H-NMR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1998</b> , 1374, 9-20	3.8	91

37	Stabilization and Regulated Fusion of Liposomes Containing a Cationic Lipid Using Amphipathic Polyethyleneglycol Derivatives. <i>Journal of Liposome Research</i> , <b>1998</b> , 8, 195-211	6.1	16
36	Designing therapeutically optimized liposomal anticancer delivery systems: Lessons from conventional liposomes <b>1998</b> , 231-257		6
35	Structural and fusogenic properties of cationic liposomes in the presence of plasmid DNA. <i>Biophysical Journal</i> , <b>1997</b> , 73, 2534-45	2.9	134
34	pH-induced destabilization of lipid bilayers by a lipopeptide derived from influenza hemagglutinin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1997</b> , 1324, 232-44	3.8	42
33	Poly(ethylene glycol)-lipid conjugates regulate the calcium-induced fusion of liposomes composed of phosphatidylethanolamine and phosphatidylserine. <i>Biochemistry</i> , <b>1996</b> , 35, 2618-24	3.2	177
32	Correlation between lipid plane curvature and lipid chain order. <i>Biophysical Journal</i> , <b>1996</b> , 70, 2747-57	2.9	50
31	Influence of cholesterol on the association of plasma proteins with liposomes. <i>Biochemistry</i> , <b>1996</b> , 35, 2521-5	3.2	199
30	Vincristine-induced dermal toxicity is significantly reduced when the drug is given in liposomes. <i>Cancer Chemotherapy and Pharmacology</i> , <b>1996</b> , 37, 351-5	3.5	32
29	A model approach for assessing liposome targeting in vivo. <i>Drug Delivery</i> , <b>1995</b> , 2, 156-165	7	6
28	Liposomes, dimitri papahadjopoulos, and us. <i>Journal of Liposome Research</i> , <b>1995</b> , 5, 829-836	6.1	0
27	A two-step targeting approach for delivery of doxorubicin-loaded liposomes to tumour cells in vivo. <i>Cancer Chemotherapy and Pharmacology</i> , <b>1995</b> , 36, 91-101	3.5	23
26	Ionophore-mediated loading of Ca <sup>2+</sup> into large unilamellar vesicles in response to transmembrane pH gradients. <i>Molecular Membrane Biology</i> , <b>1994</b> , 11, 151-7	3.4	16
25	Modulation of membrane fusion by asymmetric transbilayer distributions of amino lipids. <i>Biochemistry</i> , <b>1994</b> , 33, 12573-80	3.2	90
24	Liposomal vincristine which exhibits increased drug retention and increased circulation longevity cures mice bearing P388 tumors. <i>Cancer Research</i> , <b>1994</b> , 54, 2830-3	10.1	99
23	Optimization of the retention properties of vincristine in liposomal systems. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1993</b> , 1152, 253-8	3.8	64
22	Association of blood proteins with large unilamellar liposomes in vivo. Relation to circulation lifetimes. <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 18759-65	5.4	307
21	Separation of large unilamellar liposomes from blood components by a spin column procedure: towards identifying plasma proteins which mediate liposome clearance in vivo. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1991</b> , 1070, 215-22	3.8	110
20	The role of surface charge in the activation of the classical and alternative pathways of complement by liposomes. <i>Journal of Immunology</i> , <b>1991</b> , 146, 4234-41	5.3	243

19	The accumulation of drugs within large unilamellar vesicles exhibiting a proton gradient: a survey. <i>Chemistry and Physics of Lipids</i> , <b>1990</b> , 53, 37-46	3.7	211
18	Comparison of the orientational order of lipid chains in the L alpha and HII phases. <i>Biochemistry</i> , <b>1990</b> , 29, 8325-33	3.2	55
17	Characterization of liposomal systems containing doxorubicin entrapped in response to pH gradients. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1990</b> , 1025, 143-51	3.8	193
16	Smoothed orientational order profile of lipid bilayers by 2H-nuclear magnetic resonance. <i>Biophysical Journal</i> , <b>1989</b> , 56, 1037-41	2.9	199
15	Influence of vesicle size, lipid composition, and drug-to-lipid ratio on the biological activity of liposomal doxorubicin in mice. <i>Cancer Research</i> , <b>1989</b> , 49, 5922-30	10.1	246
14	X-ray diffraction study of the polymorphic behavior of N-methylated dioleoylphosphatidylethanolamine. <i>Biochemistry</i> , <b>1988</b> , 27, 2853-66	3.2	265
13	Acyl chain orientational order in the hexagonal HII phase of phospholipid-water dispersions. <i>Biophysical Journal</i> , <b>1988</b> , 54, 689-94	2.9	65
12	Lipid polymorphism and the roles of lipids in membranes. <i>Chemistry and Physics of Lipids</i> , <b>1986</b> , 40, 127-44	7	281
11	Uptake of adriamycin into large unilamellar vesicles in response to a pH gradient. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1986</b> , 857, 123-6	3.8	285
10	Vesicles of variable sizes produced by a rapid extrusion procedure. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1986</b> , 858, 161-8	3.8	1395
9	Lipid polymorphism: the molecular basis of nonbilayer phases. <i>Annual Review of Biophysics and Biophysical Chemistry</i> , <b>1985</b> , 14, 211-38		242
8	Production of large unilamellar vesicles by a rapid extrusion procedure: characterization of size distribution, trapped volume and ability to maintain a membrane potential. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1985</b> , 812, 55-65	3.8	1644
7	The bilayer stabilizing role of sphingomyelin in the presence of cholesterol: a 31P NMR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1980</b> , 597, 533-42	3.8	84
6	Lipid polymorphism and the functional roles of lipids in biological membranes. <i>BBA - Biomembranes</i> , <b>1979</b> , 559, 399-420		1501
5	Effects of fusogenic agent on membrane structure of erythrocyte ghosts and the mechanism of membrane fusion. <i>Nature</i> , <b>1978</b> , 271, 672-4	50.4	278
4	The polymorphic phase behaviour of phosphatidylethanolamines of natural and synthetic origin. A 31P NMR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1978</b> , 513, 31-42	3.8	366
3	31P NMR studies of unsonicated aqueous dispersions of neutral and acidic phospholipids. Effects of phase transitions, p2H and divalent cations on the motion in the phosphate region of the polar headgroup. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1976</b> , 436, 523-40	3.8	163
2	Lateral diffusion rates of phosphatidylcholine in vesicle membranes: effects of cholesterol and hydrocarbon phase transitions. <i>FEBS Letters</i> , <b>1976</b> , 70, 223-8	3.8	112



1 Modular lipid nanoparticle platform technology for siRNA and lipophilic prodrug delivery

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