Thomas L Andresen

List of Publications by Year in Descending Order

179 papers	7,786 citations	46 h-index	82 g-index
185 ext. papers	8,749 ext. citations	7.7 avg, IF	6.19 L-index

#	Paper	IF	Citations
179	Quantifying the heterogeneity of enzymatic dePEGyaltion of liposomal nanocarrier systems.. *European Journal of Pharmaceutics and Biopharmaceutics*, **2022**, 171, 80-80	5.7	1
178	Unravelling Heterogeneities in Complement and Antibody Opsonization of Individual Liposomes as a Function of Surface Architecture.. *Small*, **2022**, e2106529	11	2
177	Cell surface-tethered IL-12 repolarizes the tumor immune microenvironment to enhance the efficacy of adoptive T cell therapy.. *Science Advances*, **2022**, 8, eabi8075	14.3	0
176	Photothermal Therapy as Adjuvant to Surgery in an Orthotopic Mouse Model of Human Fibrosarcoma. *Cancers*, **2021**, 13,	6.6	3
175	Matrix effect in tumor lysates - Does it affect your cytokine ELISA and multiplex analyses?. *Journal of Immunological Methods*, **2021**, 500, 113177	2.5	0
174	Effect of apoA-I PEGylation on the Biological Fate of Biomimetic High-Density Lipoproteins. *ACS Omega*, **2021**, 6, 871-880	3.9	1
173	Effective Intratumoral Retention of [Pd]AuPd Alloy Nanoparticles Embedded in Gel-Forming Liquids Paves the Way for New Nanobrachytherapy. *Advanced Healthcare Materials*, **2021**, 10, e2002009	10.1	4
172	A participant-derived xenograft model of HIV enables long-term evaluation of autologous immunotherapies. *Journal of Experimental Medicine*, **2021**, 218,	16.6	2
171	Optical tissue clearing and machine learning can precisely characterize extravasation and blood vessel architecture in brain tumors. *Communications Biology*, **2021**, 4, 815	6.7	1
170	Isolation methods commonly used to study the liposomal protein corona suffer from contamination issues. *Acta Biomaterialia*, **2021**, 130, 460-472	10.8	4
169	Carbohydrate based biomarkers enable hybrid near infrared fluorescence and Cu based radio-guidance for improved surgical precision. *Nanotheranostics*, **2021**, 5, 448-460	5.6	2
168	Hacking Human Beings with Machine Biology to Increase Lifespan. *Trends in Biotechnology*, **2020**, 38, 1312-1315	15.1	
167	Brain tumor vessels-a barrier for drug delivery. *Cancer and Metastasis Reviews*, **2020**, 39, 959-968	9.6	3
166	A quantitative study of the interactions between reconstituted high-density lipoproteins and human leukocytes.. *RSC Advances*, **2020**, 10, 3884-3894	3.7	5
165	The need to freeze-Dehydration during specimen preparation for electron microscopy collapses the endothelial glycocalyx regardless of fixation method. *Microcirculation*, **2020**, 27, e12643	2.9	7
164	Enhanced and Sustained Cutaneous Delivery of Vismodegib by Ablative Fractional Laser and Microemulsion Formulation. *Journal of Investigative Dermatology*, **2020**, 140, 2051-2059	4.3	7
163	Quantitative determination of Cu-liposome accumulation at inflammatory and infectious sites: Potential for future theranostic system. *Journal of Controlled Release*, **2020**, 327, 737-746	11.7	4

162	Cell targeting strategy affects the intracellular trafficking of liposomes altering loaded doxorubicin release kinetics and efficacy in endothelial cells. *International Journal of Pharmaceutics*, **2020**, 588, 119715	6.5	1
161	Head-to-Head Comparison of the Penetration Efficiency of Lipid-Based Nanoparticles into Tumor Spheroids. *ACS Omega*, **2020**, 5, 21162-21171	3.9	13
160	Tumor repolarization by an advanced liposomal drug delivery system provides a potent new approach for chemo-immunotherapy. *Science Advances*, **2020**, 6,	14.3	20
159	Multimodal soft tissue markers for bridging high-resolution diagnostic imaging with therapeutic intervention. *Science Advances*, **2020**, 6, eabb5353	14.3	4
158	The Composition of Reconstituted High-Density Lipoproteins (rHDL) Dictates the Degree of rHDL Cargo- and Size-Remodeling via Direct Interactions with Endogenous Lipoproteins. *Bioconjugate Chemistry*, **2019**, 30, 2634-2646	6.3	11
157	Unique Calibrators Derived from Fluorescence-Activated Nanoparticle Sorting for Flow Cytometric Size Estimation of Artificial Vesicles: Possibilities and Limitations. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2019**, 95, 917-924	4.6	10
156	The hard protein corona of stealth liposomes is sparse. *Journal of Controlled Release*, **2019**, 307, 1-15	11.7	32
155	Protein Transduction Domain Mimics Facilitate Rapid Antigen Delivery into Monocytes. *Molecular Pharmaceutics*, **2019**, 16, 2462-2469	5.6	6
154	A tumorsphere model of glioblastoma multiforme with intratumoral heterogeneity for quantitative analysis of cellular migration and drug response. *Experimental Cell Research*, **2019**, 379, 73-82	4.2	9
153	PEG-Lipid Post Insertion into Drug Delivery Liposomes Quantified at the Single Liposome Level. *Advanced Materials Interfaces*, **2019**, 6, 1801807	4.6	9
152	Targeting the transferrin receptor for brain drug delivery. *Progress in Neurobiology*, **2019**, 181, 101665	10.9	96
151	Quantitative Methods for Investigating Dissociation of Fluorescently Labeled Lipids from Drug Delivery Liposomes **2019**, 333-359		1
150	Topical delivery of vismodegib using ablative fractional laser and micro-emulsion formulation in vitro. *Lasers in Surgery and Medicine*, **2019**, 51, 79-87	3.6	20
149	Micromotors for drug delivery in vivo: The road ahead. *Advanced Drug Delivery Reviews*, **2019**, 138, 41-55	18.5	64
148	What is the blood concentration of extracellular vesicles? Implications for the use of extracellular vesicles as blood-borne biomarkers of cancer. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2019**, 1871, 109-116	11.2	91
147	Modulating the antibody density changes the uptake and transport at the blood-brain barrier of both transferrin receptor-targeted gold nanoparticles and liposomal cargo. *Journal of Controlled Release*, **2019**, 295, 237-249	11.7	60
146	How To Characterize Individual Nanosize Liposomes with Simple Self-Calibrating Fluorescence Microscopy. *Nano Letters*, **2018**, 18, 2844-2851	11.5	5
145	Synthesis and Evaluation of Hydrogen Peroxide Sensitive Prodrugs of Methotrexate and Aminopterin for the Treatment of Rheumatoid Arthritis. *Journal of Medicinal Chemistry*, **2018**, 61, 3503-3515	8.3	35

144	Injectable iodine-125 labeled tissue marker for radioactive localization of non-palpable breast lesions. *Acta Biomaterialia*, **2018**, 65, 197-202	10.8	6
143	Liposome accumulation in irradiated tumors display important tumor and dose dependent differences. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 27-34	6	8
142	Liposome-encapsulated chemotherapy: Current evidence for its use in companion animals. *Veterinary and Comparative Oncology*, **2018**, 16, E1-E15	2.5	10
141	Antibody affinity and valency impact brain uptake of transferrin receptor-targeted gold nanoparticles. *Theranostics*, **2018**, 8, 3416-3436	12.1	63
140	Methotrexate prodrugs sensitive to reactive oxygen species for the improved treatment of rheumatoid arthritis. *European Journal of Medicinal Chemistry*, **2018**, 156, 738-746	6.8	16
139	A multi-chamber microfluidic intestinal barrier model using Caco-2 cells for drug transport studies. *PLoS ONE*, **2018**, 13, e0197101	3.7	61
138	Feasibility of a novel liquid fiducial marker for use in image guided radiotherapy of oesophageal cancer. *British Journal of Radiology*, **2018**, 91, 20180236	3.4	8
137	Multifarious Biologic Loaded Liposomes that Stimulate the Mammalian Target of Rapamycin Signaling Pathway Show Retina Neuroprotection after Retina Damage. *ACS Nano*, **2018**, 12, 7497-7508	16.7	10
136	Endothelial Protein C-Targeting Liposomes Show Enhanced Uptake and Improved Therapeutic Efficacy in Human Retinal Endothelial Cells **2018**, 59, 2119-2132		7
135	Long term safety and visibility of a novel liquid fiducial marker for use in image guided radiotherapy of non-small cell lung cancer. *Clinical and Translational Radiation Oncology*, **2018**, 13, 24-28	4.6	11
134	Combined colorimetric and gravimetric CMUT sensor for detection of benzyl methyl ketone. *Sensors and Actuators B: Chemical*, **2018**, 275, 483-489	8.5	12
133	On the use of liposome controls in studies investigating the clinical potential of extracellular vesicle-based drug delivery systems - A commentary. *Journal of Controlled Release*, **2018**, 269, 10-14	11.7	46
132	Remote-loading of liposomes with manganese-52 and in vivo evaluation of the stabilities of Mn-DOTA and Cu-DOTA using radiolabelled liposomes and PET imaging. *Journal of Controlled Release*, **2018**, 269, 100-109	11.7	32
131	Folate receptor targeting of radiolabeled liposomes reduces intratumoral liposome accumulation in human KB carcinoma xenografts. *International Journal of Nanomedicine*, **2018**, 13, 7647-7656	7.3	9
130	Remote loading of liposomes with a I-radioiodinated compound and their evaluation by PET/CT in a murine tumor model. *Theranostics*, **2018**, 8, 5828-5841	12.1	15
129	Dissociation of fluorescently labeled lipids from liposomes in biological environments challenges the interpretation of uptake studies. *Nanoscale*, **2018**, 10, 22720-22724	7.7	44
128	Theranostic Imaging May Vaccinate against the Therapeutic Benefit of Long Circulating PEGylated Liposomes and Change Cargo Pharmacokinetics. *ACS Nano*, **2018**, 12, 11386-11398	16.7	33
127	Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future. *Advanced Science*, **2018**, 5, 1700931	13.6	57

126	Combinatorial Screening of Nanoclay-Reinforced Hydrogels: A Glimpse of the "Holy Grail" in Orthopedic Stem Cell Therapy?. *ACS Applied Materials & Interfaces*, **2018**, 10, 34924-34941	9.5	36
125	Recent advances in compartmentalized synthetic architectures as drug carriers, cell mimics and artificial organelles. *Colloids and Surfaces B: Biointerfaces*, **2017**, 152, 199-213	6	61
124	Liquid fiducial marker applicability in proton therapy of locally advanced lung cancer. *Radiotherapy and Oncology*, **2017**, 122, 393-399	5.3	17
123	Multicompartment Artificial Organelles Conducting Enzymatic Cascade Reactions inside Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 15907-15921	9.5	52
122	The diffusion dynamics of PEGylated liposomes in the intact vitreous of the ex vivo porcine eye: A fluorescence correlation spectroscopy and biodistribution study. *International Journal of Pharmaceutics*, **2017**, 522, 90-97	6.5	25
121	Delivery of TLR7 agonist to monocytes and dendritic cells by DCIR targeted liposomes induces robust production of anti-cancer cytokines. *Acta Biomaterialia*, **2017**, 53, 367-377	10.8	27
120	PET imaging with copper-64 as a tool for real-time in vivo investigations of the necessity for cross-linking of polymeric micelles in nanomedicine. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2017**, 60, 366-374	1.9	7
119	Transfection of primary brain capillary endothelial cells for protein synthesis and secretion of recombinant erythropoietin: a strategy to enable protein delivery to the brain. *Cellular and Molecular Life Sciences*, **2017**, 74, 2467-2485	10.3	9
118	Bidirectional apical-basal traffic of the cation-independent mannose-6-phosphate receptor in brain endothelial cells. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 2598-2613	7.3	17
117	An assessment of the importance of exposure routes to the uptake and internal localisation of fluorescent nanoparticles in zebrafish (Danio rerio), using light sheet microscopy. *Nanotoxicology*, **2017**, 11, 351-359	5.3	38
116	Applying Fluorescence Correlation Spectroscopy to Investigate Peptide-Induced Membrane Disruption. *Methods in Molecular Biology*, **2017**, 1548, 159-180	1.4	1
115	18F-FDG PET/CT-based early treatment response evaluation of nanoparticle-assisted photothermal cancer therapy. *PLoS ONE*, **2017**, 12, e0177997	3.7	20
114	Targeting transferrin receptors at the blood-brain barrier improves the uptake of immunoliposomes and subsequent cargo transport into the brain parenchyma. *Scientific Reports*, **2017**, 7, 10396	4.9	120
113	Revisiting the use of sPLA-sensitive liposomes in cancer therapy. *Journal of Controlled Release*, **2017**, 261, 163-173	11.7	23
112	Combined colorimetric and gravimetric CMUT sensor for detection of phenylacetone **2017**,		1
111	Enhanced efficacy of sublingual immunotherapy by liposome-mediated delivery of allergen. *International Journal of Nanomedicine*, **2017**, 12, 8377-8388	7.3	16
110	Secretory phospholipase A responsive liposomes exhibit a potent anti-neoplastic effect in vitro, but induce unforeseen severe toxicity in vivo. *Journal of Controlled Release*, **2017**, 262, 212-221	11.7	24
109	In vitro toxicity of cationic micelles and liposomes in cultured human hepatocyte (HepG2) and lung epithelial (A549) cell lines. *Toxicology in Vitro*, **2016**, 36, 164-171	3.6	31

108	Binding of human serum albumin to PEGylated liposomes: insights into binding numbers and dynamics by fluorescence correlation spectroscopy. *Nanoscale*, **2016**, 8, 19726-19736	7.7	22
107	Mouse Positron Emission Tomography Study of the Biodistribution of Gold Nanoparticles with Different Surface Coatings Using Embedded Copper-64. *ACS Nano*, **2016**, 10, 9887-9898	16.7	35
106	Affinity Induced Surface Functionalization of Liposomes Using Cu-Free Click Chemistry. *Bioconjugate Chemistry*, **2016**, 27, 1673-80	6.3	10
105	Nanomechanical IR spectroscopy for fast analysis of liquid-dispersed engineered nanomaterials. *Sensors and Actuators B: Chemical*, **2016**, 233, 667-673	8.5	16
104	Polymeric pH nanosensor with extended measurement range bearing octaarginine as cell penetrating peptide. *IET Nanobiotechnology*, **2016**, 10, 8-12	2	2
103	In vivo evaluation of PEGylated 64Cu-liposomes with theranostic and radiotherapeutic potential using micro PET/CT. *European Journal of Nuclear Medicine and Molecular Imaging*, **2016**, 43, 941-952	8.8	27
102	Elucidating the role of free polycations in gene knockdown by siRNA polyplexes. *Acta Biomaterialia*, **2016**, 35, 248-59	10.8	23
101	Mannose 6-Phosphate Receptor Is Reduced in -Synuclein Overexpressing Models of Parkinsons Disease. *PLoS ONE*, **2016**, 11, e0160501	3.7	17
100	Multiplexed Dosing Assays by Digitally Definable Hydrogel Volumes. *Advanced Healthcare Materials* , **2016**, 5, 244-54	10.1	2
99	3D Biomaterial Microarrays for Regenerative Medicine: Current State-of-the-Art, Emerging Directions and Future Trends. *Advanced Materials*, **2016**, 28, 771-81	24	71
98	Injectable silver nanosensors: in vivo dosimetry for external beam radiotherapy using positron emission tomography. *Nanoscale*, **2016**, 8, 11002-11	7.7	5
97	Liquid fiducial marker performance during radiotherapy of locally advanced non small cell lung cancer. *Radiotherapy and Oncology*, **2016**, 121, 64-69	5.3	26
96	Monocyte targeting and activation by cationic liposomes formulated with a TLR7 agonist. *Expert Opinion on Drug Delivery*, **2015**, 12, 1045-58	8	8
95	Injectable Colloidal Gold for Use in Intrafractional 2D Image-Guided Radiation Therapy. *Advanced Healthcare Materials*, **2015**, 4, 856-63	10.1	26
94	Facing the Design Challenges of Particle-Based Nanosensors for Metabolite Quantification in Living Cells. *Chemical Reviews*, **2015**, 115, 8344-78	68.1	23
93	Interdependence of initial cell density, drug concentration and exposure time revealed by real-time impedance spectroscopic cytotoxicity assay. *Analyst, The*, **2015**, 140, 3623-9	5	18
92	Acylation of salmon calcitonin modulates in vitro intestinal peptide flux through membrane permeability enhancement. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 96, 329-37	5.7	9
91	Remote Loading of (64)Cu(2+) into Liposomes without the Use of Ion Transport Enhancers. *ACS Applied Materials & Interfaces*, **2015**, 7, 22796-806	9.5	28

90	Quantification and comparison of visibility and image artifacts of a new liquid fiducial marker in a lung phantom for image-guided radiation therapy. *Medical Physics*, **2015**, 42, 2818-26	4.4	24
89	A hydrogel based nanosensor with an unprecedented broad sensitivity range for pH measurements in cellular compartments. *Analyst, The*, **2015**, 140, 7246-53	5	12
88	In vivo toxicity of cationic micelles and liposomes. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 467-77	6	218
87	Facile Large-Scale Synthesis of 5- and 6-Carboxyfluoresceins: Application for the Preparation of New Fluorescent Dyes. *European Journal of Organic Chemistry*, **2015**, 2015, 7301-7309	3.2	6
86	Synthesis of Cross-Linked Polymeric Micelle pH Nanosensors: An Investigation of Design Flexibility. *Macromolecular Rapid Communications*, **2015**, 36, 1598-604	4.8	2
85	Investigation of enzyme-sensitive lipid nanoparticles for delivery of siRNA to blood-brain barrier and glioma cells. *International Journal of Nanomedicine*, **2015**, 10, 5995-6008	7.3	35
84	Adsorption of cationic peptides to solid surfaces of glass and plastic. *PLoS ONE*, **2015**, 10, e0122419	3.7	45
83	Positron Emission Tomography Based Elucidation of the Enhanced Permeability and Retention Effect in Dogs with Cancer Using Copper-64 Liposomes. *ACS Nano*, **2015**, 9, 6985-95	16.7	174
82	Single-vesicle detection and analysis of peptide-induced membrane permeabilization. *Langmuir*, **2015**, 31, 2472-83	4	7
81	Impedimetric toxicity assay in microfluidics using free and liposome-encapsulated anticancer drugs. *Analytical Chemistry*, **2015**, 87, 2204-12	7.8	27
80	Biodistribution of rhodamine B fluorescence-labeled cationic nanoparticles in rats. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	11
79	Design, calibration and application of broad-range optical nanosensors for determining intracellular pH. *Nature Protocols*, **2014**, 9, 2841-58	18.8	34
78	Cross-linked self-assembled micelle based nanosensor for intracellular pH measurements. *Journal of Materials Chemistry B*, **2014**, 2, 6652-6659	7.3	10
77	Propargylamine-isothiocyanate reaction: efficient conjugation chemistry in aqueous media. *Chemical Communications*, **2014**, 50, 7800-2	5.8	10
76	Positron emission tomography based analysis of long-circulating cross-linked triblock polymeric micelles in a U87MG mouse xenograft model and comparison of DOTA and CB-TE2A as chelators of copper-64. *Biomacromolecules*, **2014**, 15, 1625-33	6.9	29
75	Quantification of leakage from large unilamellar lipid vesicles by fluorescence correlation spectroscopy. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 2994-3002	3.8	24
74	Differential toxicological response to positively and negatively charged nanoparticles in the rat brain. *Nanotoxicology*, **2014**, 8, 764-74	5.3	29
73	Effective nanoparticle-based gene delivery by a protease triggered charge switch. *Advanced Healthcare Materials*, **2014**, 3, 1107-18	10.1	19

72	Injectable colloidal gold in a sucrose acetate isobutyrate gelating matrix with potential use in radiation therapy. *Advanced Healthcare Materials*, **2014**, 3, 1680-7	10.1	23
71	Side chain hydrophobicity modulates therapeutic activity and membrane selectivity of antimicrobial peptide mastoparan-X. *PLoS ONE*, **2014**, 9, e91007	3.7	31
70	Acylation of Glucagon-like peptide-2: interaction with lipid membranes and in vitro intestinal permeability. *PLoS ONE*, **2014**, 9, e109939	3.7	22
69	Synthesis and Characterization of a Micelle-Based pH Nanosensor with an Unprecedented Broad Measurement Range. *Chemistry of Materials*, **2013**, 25, 1496-1501	9.6	23
68	Single-walled carbon nanotube surface control of complement recognition and activation. *ACS Nano*, **2013**, 7, 1108-19	16.7	100
67	Complement activation by PEG-functionalized multi-walled carbon nanotubes is independent of PEG molecular mass and surface density. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2013**, 9, 469-73	6	32
66	The possible "proton sponge " effect of polyethylenimine (PEI) does not include change in lysosomal pH. *Molecular Therapy*, **2013**, 21, 149-57	11.7	494
65	Positron emission tomography evaluation of somatostatin receptor targeted 64Cu-TATE-liposomes in a human neuroendocrine carcinoma mouse model. *Journal of Controlled Release*, **2012**, 160, 254-63	11.7	59
64	Synthesis and Stability Studies of ‡Difluoro Ester Phospholipids. *European Journal of Organic Chemistry*, **2012**, 2012, n/a-n/a	3.2	1
63	Quantitative evaluation of bioorthogonal chemistries for surface functionalization of nanoparticles. *Bioconjugate Chemistry*, **2012**, 23, 2444-50	6.3	29
62	Particulate systems for targeting of macrophages: basic and therapeutic concepts. *Journal of Innate Immunity*, **2012**, 4, 509-28	6.9	53
61	Design, synthesis, structural and functional characterization of novel melanocortin agonists based on the cyclotide kalata B1. *Journal of Biological Chemistry*, **2012**, 287, 40493-501	5.4	78
60	A GALA lipopeptide mediates pH- and membrane charge dependent fusion with stable giant unilamellar vesicles. *Soft Matter*, **2012**, 8, 5933	3.6	11
59	Synthesis and characterization of ratiometric nanosensors for pH quantification: a mixed micelle approach. *Chemical Communications*, **2012**, 48, 4776-8	5.8	18
58	PET imaging of liposomes labeled with an [□F]-fluorocholesteryl ether probe prepared by automated radiosynthesis. *Journal of Liposome Research*, **2012**, 22, 295-305	6.1	12
57	Micropatterning of functional conductive polymers with multiple surface chemistries in register. *Langmuir*, **2012**, 28, 6502-11	4	31
56	Hyaluronic acid immobilized polyacrylamide nanoparticle sensors for CD44 receptor targeting and pH measurement in cells. *Bioconjugate Chemistry*, **2012**, 23, 2247-55	6.3	31
55	Synthesis of tocopheryl succinate phospholipid conjugates and monitoring of phospholipase A□ activity. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 3972-8	3.4	5

54	Liposome imaging agents in personalized medicine. *Advanced Drug Delivery Reviews*, **2012**, 64, 1417-35	18.5	123
53	Handling a tricycle: orthogonal versus random oxidation of the tricyclic inhibitor cystine knotted peptide gurmarin. *Peptides*, **2012**, 37, 144-9	3.8	10
52	Factors controlling nanoparticle pharmacokinetics: an integrated analysis and perspective. *Annual Review of Pharmacology and Toxicology*, **2012**, 52, 481-503	17.9	409
51	Quantitative Label-Free Cell Proliferation Tracking with a Versatile Electrochemical Impedance Detection Platform. *Journal of Physics: Conference Series*, **2012**, 407, 012029	0.3	6
50	Selective acylation enhances membrane charge sensitivity of the antimicrobial peptide mastoparan-x. *Biophysical Journal*, **2011**, 100, 399-409	2.9	25
49	Thermodynamic profiling of peptide membrane interactions by isothermal titration calorimetry: a search for pores and micelles. *Biophysical Journal*, **2011**, 101, 100-9	2.9	33
48	Membrane fusion of pH-sensitive liposomes a quantitative study using giant unilamellar vesicles. *Soft Matter*, **2011**, 7, 9027	3.6	20
47	Secretory phospholipase A2 activity toward diverse substrates. *Journal of Physical Chemistry B*, **2011**, 115, 6853-61	3.4	8
46	Evaluating nanoparticle sensor design for intracellular pH measurements. *ACS Nano*, **2011**, 5, 5864-73	16.7	145
45	A simple protocol for preparation of a liposomal vesicle with encapsulated plasmid DNA that mediate high accumulation and reporter gene activity in tumor tissue. *Results in Pharma Sciences*, **2011**, 1, 49-56		11
44	Revisit complexation between DNA and polyethylenimine--effect of length of free polycationic chains on gene transfection. *Journal of Controlled Release*, **2011**, 152, 143-51	11.7	120
43	Elucidating the interplay between DNA-condensing and free polycations in gene transfection through a mechanistic study of linear and branched PEI. *Biomaterials*, **2011**, 32, 8626-34	15.6	89
42	Material properties in complement activation. *Advanced Drug Delivery Reviews*, **2011**, 63, 1000-7	18.5	193
41	Catalyst-free conjugation and in situ quantification of nanoparticle ligand surface density using fluorogenic Cu-free Click chemistry. *Chemistry - A European Journal*, **2011**, 17, 3326-31	4.8	9
40	Engineering liposomes and nanoparticles for biological targeting. *Advances in Biochemical Engineering/Biotechnology*, **2011**, 125, 251-80	1.7	25
39	Expanding the dynamic measurement range for polymeric nanoparticle pH sensors. *Chemical Communications*, **2011**, 47, 5268-70	5.8	60
38	Solvent Composition Directing Click-Functionalization at the Surface or in the Bulk of Azide-Modified PEDOT. *Macromolecules*, **2011**, 44, 495-501	5.5	18
37	Thermodynamic and biological evaluation of a thrombin binding aptamer modified with several unlocked nucleic acid (UNA) monomers and a 2RC-piperazino-UNA monomer. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 4739-45	3.4	37

36	64Cu loaded liposomes as positron emission tomography imaging agents. *Biomaterials*, **2011**, 32, 2334-41	15.6	108
35	Liposomal cancer therapy: exploiting tumor characteristics. *Expert Opinion on Drug Delivery*, **2010**, 7, 225-43	8	87
34	Liposomal formulation of retinoids designed for enzyme triggered release. *Journal of Medicinal Chemistry*, **2010**, 53, 3782-92	8.3	67
33	Polycation cytotoxicity: a delicate matter for nucleic acid therapy□focus on polyethylenimine. *Soft Matter*, **2010**, 6, 4001	3.6	173
32	Understanding detergent effects on lipid membranes: a model study of lysolipids. *Biophysical Journal*, **2010**, 98, 2199-205	2.9	63
31	Complex surface concentration gradients by stenciled "electro click chemistry". *Langmuir*, **2010**, 26, 1617-7	4	44
30	Distinct polymer architecture mediates switching of complement activation pathways at the nanosphere-serum interface: implications for stealth nanoparticle engineering. *ACS Nano*, **2010**, 4, 6629-38	16.7	235
29	Solid-phase synthesis of PEGylated lipopeptides using click chemistry. *Bioconjugate Chemistry*, **2010**, 21, 807-10	6.3	23
28	Enzyme-triggered nanomedicine: drug release strategies in cancer therapy. *Molecular Membrane Biology*, **2010**, 27, 353-63	3.4	141
27	Complement activation cascade triggered by PEG-PL engineered nanomedicines and carbon nanotubes: the challenges ahead. *Journal of Controlled Release*, **2010**, 146, 175-81	11.7	142
26	Isomerization of all-(E)-Retinoic Acid Mediated by Carbodiimide Activation□Synthesis of ATRA Ether Lipid Conjugates. *European Journal of Organic Chemistry*, **2010**, 2010, 719-724	3.2	11
25	Prostaglandin phospholipid conjugates with unusual biophysical and cytotoxic properties. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 4456-8	2.9	15
24	Drug delivery by an enzyme-mediated cyclization of a lipid prodrug with unique bilayer-formation properties. *Angewandte Chemie - International Edition*, **2009**, 48, 1823-6	16.4	63
23	Liposomes containing alkylated methotrexate analogues for phospholipase A(2) mediated tumor targeted drug delivery. *Chemistry and Physics of Lipids*, **2009**, 157, 94-103	3.7	35
22	A concise synthesis of castanospermine by the use of a transannular cyclization. *Journal of Organic Chemistry*, **2009**, 74, 8886-9	4.2	39
21	Mechanistic study of the sPLA2-mediated hydrolysis of a thio-ester pro anticancer ether lipid. *Journal of the American Chemical Society*, **2009**, 131, 12193-200	16.4	52
20	Complement-mediated tumour growth: implications for cancer nanotechnology and nanomedicines. *Molecular Immunology*, **2009**, 46, 1571-2	4.3	16
19	Synthesis and biophysical characterization of chlorambucil anticancer ether lipid prodrugs. *Journal of Medicinal Chemistry*, **2009**, 52, 3408-15	8.3	66

18	Polymeric nanosensors for measuring the full dynamic pH range of endosomes and lysosomes in mammalian cells. *Journal of Biomedical Nanotechnology*, **2009**, 5, 676-82	4	39
17	Complement: alive and kicking nanomedicines. *Journal of Biomedical Nanotechnology*, **2009**, 5, 364-72	4	64
16	Molecular basis of phospholipase A2 activity toward phospholipids with sn-1 substitutions. *Biophysical Journal*, **2008**, 94, 14-26	2.9	26
15	Secretory phospholipase A2 hydrolysis of phospholipid analogues is dependent on water accessibility to the active site. *Journal of the American Chemical Society*, **2007**, 129, 5451-61	16.4	23
14	Synthesis of sn-1 functionalized phospholipids as substrates for secretory phospholipase A2. *Chemistry and Physics of Lipids*, **2007**, 146, 54-66	3.7	14
13	Oxidative Stability of Liposomes Composed of Docosahexaenoic Acid-Containing Phospholipids. *JAOCS, Journal of the American Oil Chemists' Society*, **2007**, 84, 631-637	1.8	15
12	Activation of interfacial enzymes at membrane surfaces. *Journal of Physics Condensed Matter*, **2006**, 18, S1293-304	1.8	59
11	Domain-induced activation of human phospholipase A2 type IIA: local versus global lipid composition. *Biophysical Journal*, **2006**, 90, 3165-75	2.9	65
10	Methylation of the phosphate oxygen moiety of phospholipid-methoxy(polyethylene glycol) conjugate prevents PEGylated liposome-mediated complement activation and anaphylatoxin production. *FASEB Journal*, **2006**, 20, 2591-3	0.9	169
9	Activation of the human complement system by cholesterol-rich and PEGylated liposomes-modulation of cholesterol-rich liposome-mediated complement activation by elevated serum LDL and HDL levels. *Journal of Liposome Research*, **2006**, 16, 167-74	6.1	51
8	Synthesis and biological activity of anticancer ether lipids that are specifically released by phospholipase A2 in tumor tissue. *Journal of Medicinal Chemistry*, **2005**, 48, 7305-14	8.3	34
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