

# Thomas L Andresen

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2896932/thomas-l-andresen-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The possible "proton sponge " effect of polyethylenimine (PEI) does not include change in lysosomal pH. <i>Molecular Therapy</i> , <b>2013</b> , 21, 149-57	11.7	494
178	Advanced strategies in liposomal cancer therapy: problems and prospects of active and tumor specific drug release. <i>Progress in Lipid Research</i> , <b>2005</b> , 44, 68-97	14.3	476
177	Factors controlling nanoparticle pharmacokinetics: an integrated analysis and perspective. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2012</b> , 52, 481-503	17.9	409
176	Distinct polymer architecture mediates switching of complement activation pathways at the nanosphere-serum interface: implications for stealth nanoparticle engineering. <i>ACS Nano</i> , <b>2010</b> , 4, 6629-38	16.7	235
175	In vivo toxicity of cationic micelles and liposomes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2015</b> , 11, 467-77	6	218
174	Material properties in complement activation. <i>Advanced Drug Delivery Reviews</i> , <b>2011</b> , 63, 1000-7	18.5	193
173	Positron Emission Tomography Based Elucidation of the Enhanced Permeability and Retention Effect in Dogs with Cancer Using Copper-64 Liposomes. <i>ACS Nano</i> , <b>2015</b> , 9, 6985-95	16.7	174
172	Polycation cytotoxicity: a delicate matter for nucleic acid therapy--focus on polyethylenimine. <i>Soft Matter</i> , <b>2010</b> , 6, 4001	3.6	173
171	Methylation of the phosphate oxygen moiety of phospholipid-methoxy(polyethylene glycol) conjugate prevents PEGylated liposome-mediated complement activation and anaphylatoxin production. <i>FASEB Journal</i> , <b>2006</b> , 20, 2591-3	0.9	169
170	Evaluating nanoparticle sensor design for intracellular pH measurements. <i>ACS Nano</i> , <b>2011</b> , 5, 5864-73	16.7	145
169	Complement activation cascade triggered by PEG-PL engineered nanomedicines and carbon nanotubes: the challenges ahead. <i>Journal of Controlled Release</i> , <b>2010</b> , 146, 175-81	11.7	142
168	Enzyme-triggered nanomedicine: drug release strategies in cancer therapy. <i>Molecular Membrane Biology</i> , <b>2010</b> , 27, 353-63	3.4	141
167	Enzymatic release of antitumor ether lipids by specific phospholipase A2 activation of liposome-forming prodrugs. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 1694-703	8.3	131
166	Liposome imaging agents in personalized medicine. <i>Advanced Drug Delivery Reviews</i> , <b>2012</b> , 64, 1417-35	18.5	123
165	Targeting transferrin receptors at the blood-brain barrier improves the uptake of immunoliposomes and subsequent cargo transport into the brain parenchyma. <i>Scientific Reports</i> , <b>2017</b> , 7, 10396	4.9	120
164	Revisit complexation between DNA and polyethylenimine--effect of length of free polycationic chains on gene transfection. <i>Journal of Controlled Release</i> , <b>2011</b> , 152, 143-51	11.7	120
163	Secreted phospholipase A(2) as a new enzymatic trigger mechanism for localised liposomal drug release and absorption in diseased tissue. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2003</b> , 1609, 95-101	3.8	114

162	64Cu loaded liposomes as positron emission tomography imaging agents. <i>Biomaterials</i> , <b>2011</b> , 32, 2334-41	5.6	108
161	Single-walled carbon nanotube surface control of complement recognition and activation. <i>ACS Nano</i> , <b>2013</b> , 7, 1108-19	16.7	100
160	Targeting the transferrin receptor for brain drug delivery. <i>Progress in Neurobiology</i> , <b>2019</b> , 181, 101665	10.9	96
159	What is the blood concentration of extracellular vesicles? Implications for the use of extracellular vesicles as blood-borne biomarkers of cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2019</b> , 1871, 109-116	11.2	91
158	Elucidating the interplay between DNA-condensing and free polycations in gene transfection through a mechanistic study of linear and branched PEI. <i>Biomaterials</i> , <b>2011</b> , 32, 8626-34	15.6	89
157	Liposomal cancer therapy: exploiting tumor characteristics. <i>Expert Opinion on Drug Delivery</i> , <b>2010</b> , 7, 225-43	8	87
156	Design, synthesis, structural and functional characterization of novel melanocortin agonists based on the cyclotide kalata B1. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 40493-501	5.4	78
155	3D Biomaterial Microarrays for Regenerative Medicine: Current State-of-the-Art, Emerging Directions and Future Trends. <i>Advanced Materials</i> , <b>2016</b> , 28, 771-81	24	71
154	Liposomal formulation of retinoids designed for enzyme triggered release. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 3782-92	8.3	67
153	Triggered activation and release of liposomal prodrugs and drugs in cancer tissue by secretory phospholipase A2. <i>Current Drug Delivery</i> , <b>2005</b> , 2, 353-62	3.2	67
152	Synthesis and biophysical characterization of chlorambucil anticancer ether lipid prodrugs. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 3408-15	8.3	66
151	Domain-induced activation of human phospholipase A2 type IIA: local versus global lipid composition. <i>Biophysical Journal</i> , <b>2006</b> , 90, 3165-75	2.9	65
150	Complement: alive and kicking nanomedicines. <i>Journal of Biomedical Nanotechnology</i> , <b>2009</b> , 5, 364-72	4	64
149	Micromotors for drug delivery in vivo: The road ahead. <i>Advanced Drug Delivery Reviews</i> , <b>2019</b> , 138, 41-55	18.5	64
148	Antibody affinity and valency impact brain uptake of transferrin receptor-targeted gold nanoparticles. <i>Theranostics</i> , <b>2018</b> , 8, 3416-3436	12.1	63
147	Understanding detergent effects on lipid membranes: a model study of lysolipids. <i>Biophysical Journal</i> , <b>2010</b> , 98, 2199-205	2.9	63
146	Drug delivery by an enzyme-mediated cyclization of a lipid prodrug with unique bilayer-formation properties. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 1823-6	16.4	63
145	Recent advances in compartmentalized synthetic architectures as drug carriers, cell mimics and artificial organelles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 152, 199-213	6	61

144	A multi-chamber microfluidic intestinal barrier model using Caco-2 cells for drug transport studies. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197101	3.7	61
143	Expanding the dynamic measurement range for polymeric nanoparticle pH sensors. <i>Chemical Communications</i> , <b>2011</b> , 47, 5268-70	5.8	60
142	Modulating the antibody density changes the uptake and transport at the blood-brain barrier of both transferrin receptor-targeted gold nanoparticles and liposomal cargo. <i>Journal of Controlled Release</i> , <b>2019</b> , 295, 237-249	11.7	60
141	Positron emission tomography evaluation of somatostatin receptor targeted <sup>64</sup> Cu-TATE-liposomes in a human neuroendocrine carcinoma mouse model. <i>Journal of Controlled Release</i> , <b>2012</b> , 160, 254-63	11.7	59
140	Activation of interfacial enzymes at membrane surfaces. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, S1293-304	1.8	59
139	Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future. <i>Advanced Science</i> , <b>2018</b> , 5, 1700931	13.6	57
138	Particulate systems for targeting of macrophages: basic and therapeutic concepts. <i>Journal of Innate Immunity</i> , <b>2012</b> , 4, 509-28	6.9	53
137	Multicompartment Artificial Organelles Conducting Enzymatic Cascade Reactions inside Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15907-15921	9.5	52
136	Mechanistic study of the sPLA2-mediated hydrolysis of a thio-ester pro anticancer ether lipid. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12193-200	16.4	52
135	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. <i>Journal of Liposome Research</i> , <b>2006</b> , 16, 167-74	6.1	51
134	On the use of liposome controls in studies investigating the clinical potential of extracellular vesicle-based drug delivery systems - A commentary. <i>Journal of Controlled Release</i> , <b>2018</b> , 269, 10-14	11.7	46
133	Adsorption of cationic peptides to solid surfaces of glass and plastic. <i>PLoS ONE</i> , <b>2015</b> , 10, e0122419	3.7	45
132	Complex surface concentration gradients by stenciled "electro click chemistry". <i>Langmuir</i> , <b>2010</b> , 26, 16171-7	4.1	44
131	Dissociation of fluorescently labeled lipids from liposomes in biological environments challenges the interpretation of uptake studies. <i>Nanoscale</i> , <b>2018</b> , 10, 22720-22724	7.7	44
130	A concise synthesis of castanospermine by the use of a transannular cyclization. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 8886-9	4.2	39
129	Polymeric nanosensors for measuring the full dynamic pH range of endosomes and lysosomes in mammalian cells. <i>Journal of Biomedical Nanotechnology</i> , <b>2009</b> , 5, 676-82	4	39
128	An assessment of the importance of exposure routes to the uptake and internal localisation of fluorescent nanoparticles in zebrafish ( <i>Danio rerio</i> ), using light sheet microscopy. <i>Nanotoxicology</i> , <b>2017</b> , 11, 351-359	5.3	38
127	Thermodynamic and biological evaluation of a thrombin binding aptamer modified with several unlocked nucleic acid (UNA) monomers and a 2RC-piperazino-UNA monomer. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 4739-45	3.4	37

126	Combinatorial Screening of Nanoclay-Reinforced Hydrogels: A Glimpse of the "Holy Grail" in Orthopedic Stem Cell Therapy?. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 34924-34941	9.5	36
125	Synthesis and Evaluation of Hydrogen Peroxide Sensitive Prodrugs of Methotrexate and Aminopterin for the Treatment of Rheumatoid Arthritis. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 3503-3515	8.3	35
124	Mouse Positron Emission Tomography Study of the Biodistribution of Gold Nanoparticles with Different Surface Coatings Using Embedded Copper-64. <i>ACS Nano</i> , <b>2016</b> , 10, 9887-9898	16.7	35
123	Investigation of enzyme-sensitive lipid nanoparticles for delivery of siRNA to blood-brain barrier and glioma cells. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 5995-6008	7.3	35
122	Liposomes containing alkylated methotrexate analogues for phospholipase A(2) mediated tumor targeted drug delivery. <i>Chemistry and Physics of Lipids</i> , <b>2009</b> , 157, 94-103	3.7	35
121	Design, calibration and application of broad-range optical nanosensors for determining intracellular pH. <i>Nature Protocols</i> , <b>2014</b> , 9, 2841-58	18.8	34
120	Synthesis and biological activity of anticancer ether lipids that are specifically released by phospholipase A2 in tumor tissue. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 7305-14	8.3	34
119	Thermodynamic profiling of peptide membrane interactions by isothermal titration calorimetry: a search for pores and micelles. <i>Biophysical Journal</i> , <b>2011</b> , 101, 100-9	2.9	33
118	Theranostic Imaging May Vaccinate against the Therapeutic Benefit of Long Circulating PEGylated Liposomes and Change Cargo Pharmacokinetics. <i>ACS Nano</i> , <b>2018</b> , 12, 11386-11398	16.7	33
117	The hard protein corona of stealth liposomes is sparse. <i>Journal of Controlled Release</i> , <b>2019</b> , 307, 1-15	11.7	32
116	Complement activation by PEG-functionalized multi-walled carbon nanotubes is independent of PEG molecular mass and surface density. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2013</b> , 9, 469-73	6	32
115	Crystal Structures of 2,3,6,7,10,11-Oxytriphenylenes. Implications for Columnar Discotic Mesophases. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 2428-2433	9.6	32
114	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. <i>Journal of Controlled Release</i> , <b>2018</b> , 269, 100-109	11.7	32
113	In vitro toxicity of cationic micelles and liposomes in cultured human hepatocyte (HepG2) and lung epithelial (A549) cell lines. <i>Toxicology in Vitro</i> , <b>2016</b> , 36, 164-171	3.6	31
112	Side chain hydrophobicity modulates therapeutic activity and membrane selectivity of antimicrobial peptide mastoparan-X. <i>PLoS ONE</i> , <b>2014</b> , 9, e91007	3.7	31
111	Micropatterning of functional conductive polymers with multiple surface chemistries in register. <i>Langmuir</i> , <b>2012</b> , 28, 6502-11	4	31
110	Hyaluronic acid immobilized polyacrylamide nanoparticle sensors for CD44 receptor targeting and pH measurement in cells. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 2247-55	6.3	31
109	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. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1625-33	6.9	29

108	Differential toxicological response to positively and negatively charged nanoparticles in the rat brain. <i>Nanotoxicology</i> , <b>2014</b> , 8, 764-74	5.3	29
107	Quantitative evaluation of bioorthogonal chemistries for surface functionalization of nanoparticles. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 2444-50	6.3	29
106	Remote Loading of (64)Cu(2+) into Liposomes without the Use of Ion Transport Enhancers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 22796-806	9.5	28
105	Synthesis of anti-tumour phosphatidylinositol analogues from glucose by the use of ring-closing olefin metathesis. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 2951-7	3.9	28
104	Delivery of TLR7 agonist to monocytes and dendritic cells by DCIR targeted liposomes induces robust production of anti-cancer cytokines. <i>Acta Biomaterialia</i> , <b>2017</b> , 53, 367-377	10.8	27
103	In vivo evaluation of PEGylated $^{64}\text{Cu}$ -liposomes with theranostic and radiotherapeutic potential using micro PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2016</b> , 43, 941-952	8.8	27
102	Impedimetric toxicity assay in microfluidics using free and liposome-encapsulated anticancer drugs. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 2204-12	7.8	27
101	Injectable Colloidal Gold for Use in Intrafractional 2D Image-Guided Radiation Therapy. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 856-63	10.1	26
100	Molecular basis of phospholipase A2 activity toward phospholipids with sn-1 substitutions. <i>Biophysical Journal</i> , <b>2008</b> , 94, 14-26	2.9	26
99	Liquid fiducial marker performance during radiotherapy of locally advanced non small cell lung cancer. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 121, 64-69	5.3	26
98	The diffusion dynamics of PEGylated liposomes in the intact vitreous of the ex vivo porcine eye: A fluorescence correlation spectroscopy and biodistribution study. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 522, 90-97	6.5	25
97	Selective acylation enhances membrane charge sensitivity of the antimicrobial peptide mastoparan-x. <i>Biophysical Journal</i> , <b>2011</b> , 100, 399-409	2.9	25
96	Engineering liposomes and nanoparticles for biological targeting. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2011</b> , 125, 251-80	1.7	25
95	Quantification and comparison of visibility and image artifacts of a new liquid fiducial marker in a lung phantom for image-guided radiation therapy. <i>Medical Physics</i> , <b>2015</b> , 42, 2818-26	4.4	24
94	Quantification of leakage from large unilamellar lipid vesicles by fluorescence correlation spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2014</b> , 1838, 2994-3002	3.8	24
93	Secretory phospholipase A responsive liposomes exhibit a potent anti-neoplastic effect in vitro, but induce unforeseen severe toxicity in vivo. <i>Journal of Controlled Release</i> , <b>2017</b> , 262, 212-221	11.7	24
92	Facing the Design Challenges of Particle-Based Nanosensors for Metabolite Quantification in Living Cells. <i>Chemical Reviews</i> , <b>2015</b> , 115, 8344-78	68.1	23
91	Elucidating the role of free polycations in gene knockdown by siRNA polyplexes. <i>Acta Biomaterialia</i> , <b>2016</b> , 35, 248-59	10.8	23

90	Synthesis and Characterization of a Micelle-Based pH Nanosensor with an Unprecedented Broad Measurement Range. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 1496-1501	9.6	23
89	Revisiting the use of sPLA-sensitive liposomes in cancer therapy. <i>Journal of Controlled Release</i> , <b>2017</b> , 261, 163-173	11.7	23
88	Injectable colloidal gold in a sucrose acetate isobutyrate gelating matrix with potential use in radiation therapy. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1680-7	10.1	23
87	Solid-phase synthesis of PEGylated lipopeptides using click chemistry. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 807-10	6.3	23
86	Secretory phospholipase A2 hydrolysis of phospholipid analogues is dependent on water accessibility to the active site. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5451-61	16.4	23
85	Binding of human serum albumin to PEGylated liposomes: insights into binding numbers and dynamics by fluorescence correlation spectroscopy. <i>Nanoscale</i> , <b>2016</b> , 8, 19726-19736	7.7	22
84	Acylation of Glucagon-like peptide-2: interaction with lipid membranes and in vitro intestinal permeability. <i>PLoS ONE</i> , <b>2014</b> , 9, e109939	3.7	22
83	18F-FDG PET/CT-based early treatment response evaluation of nanoparticle-assisted photothermal cancer therapy. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177997	3.7	20
82	Membrane fusion of pH-sensitive liposomes: a quantitative study using giant unilamellar vesicles. <i>Soft Matter</i> , <b>2011</b> , 7, 9027	3.6	20
81	Tumor repolarization by an advanced liposomal drug delivery system provides a potent new approach for chemo-immunotherapy. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	20
80	Topical delivery of vismodegib using ablative fractional laser and micro-emulsion formulation in vitro. <i>Lasers in Surgery and Medicine</i> , <b>2019</b> , 51, 79-87	3.6	20
79	Effective nanoparticle-based gene delivery by a protease triggered charge switch. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1107-18	10.1	19
78	Interdependence of initial cell density, drug concentration and exposure time revealed by real-time impedance spectroscopic cytotoxicity assay. <i>Analyst, The</i> , <b>2015</b> , 140, 3623-9	5	18
77	Synthesis and characterization of ratiometric nanosensors for pH quantification: a mixed micelle approach. <i>Chemical Communications</i> , <b>2012</b> , 48, 4776-8	5.8	18
76	Solvent Composition Directing Click-Functionalization at the Surface or in the Bulk of Azide-Modified PEDOT. <i>Macromolecules</i> , <b>2011</b> , 44, 495-501	5.5	18
75	Liquid fiducial marker applicability in proton therapy of locally advanced lung cancer. <i>Radiotherapy and Oncology</i> , <b>2017</b> , 122, 393-399	5.3	17
74	Bidirectional apical-basal traffic of the cation-independent mannose-6-phosphate receptor in brain endothelial cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 2598-2613	7.3	17
73	Mannose 6-Phosphate Receptor Is Reduced in $\alpha$ -Synuclein Overexpressing Models of Parkinsons Disease. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160501	3.7	17

72	Nanomechanical IR spectroscopy for fast analysis of liquid-dispersed engineered nanomaterials. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 233, 667-673	8.5	16
71	Methotrexate prodrugs sensitive to reactive oxygen species for the improved treatment of rheumatoid arthritis. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 156, 738-746	6.8	16
70	Enhanced efficacy of sublingual immunotherapy by liposome-mediated delivery of allergen. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 8377-8388	7.3	16
69	Complement-mediated tumour growth: implications for cancer nanotechnology and nanomedicines. <i>Molecular Immunology</i> , <b>2009</b> , 46, 1571-2	4.3	16
68	Prostaglandin phospholipid conjugates with unusual biophysical and cytotoxic properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 4456-8	2.9	15
67	Oxidative Stability of Liposomes Composed of Docosahexaenoic Acid-Containing Phospholipids. <i>JAACS, Journal of the American Oil Chemists Society</i> , <b>2007</b> , 84, 631-637	1.8	15
66	Remote loading of liposomes with a I-radioiodinated compound and their evaluation by PET/CT in a murine tumor model. <i>Theranostics</i> , <b>2018</b> , 8, 5828-5841	12.1	15
65	Synthesis of sn-1 functionalized phospholipids as substrates for secretory phospholipase A2. <i>Chemistry and Physics of Lipids</i> , <b>2007</b> , 146, 54-66	3.7	14
64	Synthesis and membrane behavior of a new class of unnatural phospholipid analogs useful as phospholipase A2 degradable liposomal drug carriers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2005</b> , 1669, 1-7	3.8	13
63	Head-to-Head Comparison of the Penetration Efficiency of Lipid-Based Nanoparticles into Tumor Spheroids. <i>ACS Omega</i> , <b>2020</b> , 5, 21162-21171	3.9	13
62	A hydrogel based nanosensor with an unprecedented broad sensitivity range for pH measurements in cellular compartments. <i>Analyst, The</i> , <b>2015</b> , 140, 7246-53	5	12
61	Combined colorimetric and gravimetric CMUT sensor for detection of benzyl methyl ketone. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 275, 483-489	8.5	12
60	PET imaging of liposomes labeled with an [ <sup>125</sup> I]-fluorocholesteryl ether probe prepared by automated radiosynthesis. <i>Journal of Liposome Research</i> , <b>2012</b> , 22, 295-305	6.1	12
59	The Composition of Reconstituted High-Density Lipoproteins (rHDL) Dictates the Degree of rHDL Cargo- and Size-Remodeling via Direct Interactions with Endogenous Lipoproteins. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 2634-2646	6.3	11
58	Long term safety and visibility of a novel liquid fiducial marker for use in image guided radiotherapy of non-small cell lung cancer. <i>Clinical and Translational Radiation Oncology</i> , <b>2018</b> , 13, 24-28	4.6	11
57	Biodistribution of rhodamine B fluorescence-labeled cationic nanoparticles in rats. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	11
56	A GALA lipopeptide mediates pH- and membrane charge dependent fusion with stable giant unilamellar vesicles. <i>Soft Matter</i> , <b>2012</b> , 8, 5933	3.6	11
55	A simple protocol for preparation of a liposomal vesicle with encapsulated plasmid DNA that mediate high accumulation and reporter gene activity in tumor tissue. <i>Results in Pharma Sciences</i> , <b>2011</b> , 1, 49-56		11



54	Isomerization of all-(E)-Retinoic Acid Mediated by Carbodiimide Activation & Synthesis of ATRA Ether Lipid Conjugates. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 719-724	3.2	11
53	Unique Calibrators Derived from Fluorescence-Activated Nanoparticle Sorting for Flow Cytometric Size Estimation of Artificial Vesicles: Possibilities and Limitations. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2019</b> , 95, 917-924	4.6	10
52	Liposome-encapsulated chemotherapy: Current evidence for its use in companion animals. <i>Veterinary and Comparative Oncology</i> , <b>2018</b> , 16, E1-E15	2.5	10
51	Affinity Induced Surface Functionalization of Liposomes Using Cu-Free Click Chemistry. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 1673-80	6.3	10
50	Multifarious Biologic Loaded Liposomes that Stimulate the Mammalian Target of Rapamycin Signaling Pathway Show Retina Neuroprotection after Retina Damage. <i>ACS Nano</i> , <b>2018</b> , 12, 7497-7508	16.7	10
49	Cross-linked self-assembled micelle based nanosensor for intracellular pH measurements. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 6652-6659	7.3	10
48	Propargylamine-isothiocyanate reaction: efficient conjugation chemistry in aqueous media. <i>Chemical Communications</i> , <b>2014</b> , 50, 7800-2	5.8	10
47	Handling a tricycle: orthogonal versus random oxidation of the tricyclic inhibitor cystine knotted peptide gurmarin. <i>Peptides</i> , <b>2012</b> , 37, 144-9	3.8	10
46	Transfection of primary brain capillary endothelial cells for protein synthesis and secretion of recombinant erythropoietin: a strategy to enable protein delivery to the brain. <i>Cellular and Molecular Life Sciences</i> , <b>2017</b> , 74, 2467-2485	10.3	9
45	A tumorsphere model of glioblastoma multiforme with intratumoral heterogeneity for quantitative analysis of cellular migration and drug response. <i>Experimental Cell Research</i> , <b>2019</b> , 379, 73-82	4.2	9
44	PEG-Lipid Post Insertion into Drug Delivery Liposomes Quantified at the Single Liposome Level. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1801807	4.6	9
43	Acylation of salmon calcitonin modulates in vitro intestinal peptide flux through membrane permeability enhancement. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2015</b> , 96, 329-37	5.7	9
42	Catalyst-free conjugation and in situ quantification of nanoparticle ligand surface density using fluorogenic Cu-free Click chemistry. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3326-31	4.8	9
41	Folate receptor targeting of radiolabeled liposomes reduces intratumoral liposome accumulation in human KB carcinoma xenografts. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 7647-7656	7.3	9
40	Monocyte targeting and activation by cationic liposomes formulated with a TLR7 agonist. <i>Expert Opinion on Drug Delivery</i> , <b>2015</b> , 12, 1045-58	8	8
39	Liposome accumulation in irradiated tumors display important tumor and dose dependent differences. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 27-34	6	8
38	Feasibility of a novel liquid fiducial marker for use in image guided radiotherapy of oesophageal cancer. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20180236	3.4	8
37	Secretory phospholipase A2 activity toward diverse substrates. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 6853-61	3.4	8

36	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. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2017</b> , 60, 366-374	1.9	7
35	The need to freeze-Dehydration during specimen preparation for electron microscopy collapses the endothelial glycocalyx regardless of fixation method. <i>Microcirculation</i> , <b>2020</b> , 27, e12643	2.9	7
34	Enhanced and Sustained Cutaneous Delivery of Vismodegib by Ablative Fractional Laser and Microemulsion Formulation. <i>Journal of Investigative Dermatology</i> , <b>2020</b> , 140, 2051-2059	4.3	7
33	Endothelial Protein C-Targeting Liposomes Show Enhanced Uptake and Improved Therapeutic Efficacy in Human Retinal Endothelial Cells <b>2018</b> , 59, 2119-2132		7
32	Single-vesicle detection and analysis of peptide-induced membrane permeabilization. <i>Langmuir</i> , <b>2015</b> , 31, 2472-83	4	7
31	Protein Transduction Domain Mimics Facilitate Rapid Antigen Delivery into Monocytes. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 2462-2469	5.6	6
30	Injectable iodine-125 labeled tissue marker for radioactive localization of non-palpable breast lesions. <i>Acta Biomaterialia</i> , <b>2018</b> , 65, 197-202	10.8	6
29	Facile Large-Scale Synthesis of 5- and 6-Carboxyfluoresceins: Application for the Preparation of New Fluorescent Dyes. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 7301-7309	3.2	6
28	Quantitative Label-Free Cell Proliferation Tracking with a Versatile Electrochemical Impedance Detection Platform. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 407, 012029	0.3	6
27	A quantitative study of the interactions between reconstituted high-density lipoproteins and human leukocytes.. <i>RSC Advances</i> , <b>2020</b> , 10, 3884-3894	3.7	5
26	How To Characterize Individual Nanosize Liposomes with Simple Self-Calibrating Fluorescence Microscopy. <i>Nano Letters</i> , <b>2018</b> , 18, 2844-2851	11.5	5
25	Synthesis of tocopheryl succinate phospholipid conjugates and monitoring of phospholipase A <sub>2</sub> activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2012</b> , 20, 3972-8	3.4	5
24	Injectable silver nanosensors: in vivo dosimetry for external beam radiotherapy using positron emission tomography. <i>Nanoscale</i> , <b>2016</b> , 8, 11002-11	7.7	5
23	Quantitative determination of Cu-liposome accumulation at inflammatory and infectious sites: Potential for future theranostic system. <i>Journal of Controlled Release</i> , <b>2020</b> , 327, 737-746	11.7	4
22	Multimodal soft tissue markers for bridging high-resolution diagnostic imaging with therapeutic intervention. <i>Science Advances</i> , <b>2020</b> , 6, eabb5353	14.3	4
21	Effective Intratumoral Retention of [Pd]AuPd Alloy Nanoparticles Embedded in Gel-Forming Liquids Paves the Way for New Nanobrachytherapy. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2002009	10.1	4
20	Isolation methods commonly used to study the liposomal protein corona suffer from contamination issues. <i>Acta Biomaterialia</i> , <b>2021</b> , 130, 460-472	10.8	4
19	Brain tumor vessels-a barrier for drug delivery. <i>Cancer and Metastasis Reviews</i> , <b>2020</b> , 39, 959-968	9.6	3

18	Photothermal Therapy as Adjuvant to Surgery in an Orthotopic Mouse Model of Human Fibrosarcoma. <i>Cancers</i> , <b>2021</b> , 13,	6.6	3
17	Polymeric pH nanosensor with extended measurement range bearing octaarginine as cell penetrating peptide. <i>IET Nanobiotechnology</i> , <b>2016</b> , 10, 8-12	2	2
16	Synthesis of Cross-Linked Polymeric Micelle pH Nanosensors: An Investigation of Design Flexibility. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 1598-604	4.8	2
15	A participant-derived xenograft model of HIV enables long-term evaluation of autologous immunotherapies. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	2
14	Multiplexed Dosing Assays by Digitally Definable Hydrogel Volumes. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 244-54	10.1	2
13	Carbohydrate based biomarkers enable hybrid near infrared fluorescence and Cu based radio-guidance for improved surgical precision. <i>Nanotheranostics</i> , <b>2021</b> , 5, 448-460	5.6	2
12	Unravelling Heterogeneities in Complement and Antibody Opsonization of Individual Liposomes as a Function of Surface Architecture.. <i>Small</i> , <b>2022</b> , e2106529	11	2
11	Applying Fluorescence Correlation Spectroscopy to Investigate Peptide-Induced Membrane Disruption. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1548, 159-180	1.4	1
10	Combined colorimetric and gravimetric CMUT sensor for detection of phenylacetone <b>2017</b> ,		1
9	Synthesis and Stability Studies of $\beta$ -Difluoro Ester Phospholipids. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, n/a-n/a	3.2	1
8	Quantifying the heterogeneity of enzymatic dePEGylation of liposomal nanocarrier systems.. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2022</b> , 171, 80-80	5.7	1
7	Quantitative Methods for Investigating Dissociation of Fluorescently Labeled Lipids from Drug Delivery Liposomes <b>2019</b> , 333-359		1
6	Effect of apoA-I PEGylation on the Biological Fate of Biomimetic High-Density Lipoproteins. <i>ACS Omega</i> , <b>2021</b> , 6, 871-880	3.9	1
5	Cell targeting strategy affects the intracellular trafficking of liposomes altering loaded doxorubicin release kinetics and efficacy in endothelial cells. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 588, 1197-1205	6.5	1
4	Optical tissue clearing and machine learning can precisely characterize extravasation and blood vessel architecture in brain tumors. <i>Communications Biology</i> , <b>2021</b> , 4, 815	6.7	1
3	Matrix effect in tumor lysates - Does it affect your cytokine ELISA and multiplex analyses?. <i>Journal of Immunological Methods</i> , <b>2021</b> , 500, 113177	2.5	0
2	Cell surface-tethered IL-12 repolarizes the tumor immune microenvironment to enhance the efficacy of adoptive T cell therapy.. <i>Science Advances</i> , <b>2022</b> , 8, eabi8075	14.3	0
1	Hacking Human Beings with Machine Biology to Increase Lifespan. <i>Trends in Biotechnology</i> , <b>2020</b> , 38, 1312-1315	15.1	

