

Thomas L Andresen

List of Publications by Year in descending order

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183
papers

9,693
citations

41339

49
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43886

91
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185
all docs

185
docs citations

185
times ranked

13939
citing authors

#	ARTICLE	IF	CITATIONS
1	The Possible "Proton Sponge" Effect of Polyethylenimine (PEI) Does Not Include Change in Lysosomal pH. <i>Molecular Therapy</i> , 2013, 21, 149-157.	8.2	593
2	Advanced strategies in liposomal cancer therapy: Problems and prospects of active and tumor specific drug release. <i>Progress in Lipid Research</i> , 2005, 44, 68-97.	11.6	521
3	Factors Controlling Nanoparticle Pharmacokinetics: An Integrated Analysis and Perspective. <i>Annual Review of Pharmacology and Toxicology</i> , 2012, 52, 481-503.	9.4	477
4	In vivo toxicity of cationic micelles and liposomes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 467-477.	3.3	271
5	Distinct Polymer Architecture Mediates Switching of Complement Activation Pathways at the Nanosphere~Serum Interface: Implications for Stealth Nanoparticle Engineering. <i>ACS Nano</i> , 2010, 4, 6629-6638.	14.6	263
6	Material properties in complement activation. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 1000-1007.	13.7	230
7	Positron Emission Tomography Based Elucidation of the Enhanced Permeability and Retention Effect in Dogs with Cancer Using Copper-64 Liposomes. <i>ACS Nano</i> , 2015, 9, 6985-6995.	14.6	220
8	Targeting the transferrin receptor for brain drug delivery. <i>Progress in Neurobiology</i> , 2019, 181, 101665.	5.7	204
9	Polycation cytotoxicity: a delicate matter for nucleic acid therapy" focus on polyethylenimine. <i>Soft Matter</i> , 2010, 6, 4001.	2.7	193
10	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> , 2006, 20, 2591-2593.	0.5	185
11	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> , 2017, 7, 10396.	3.3	171
12	Enzyme-triggered nanomedicine: Drug release strategies in cancer therapy (Invited Review). <i>Molecular Membrane Biology</i> , 2010, 27, 353-363.	2.0	162
13	Evaluating Nanoparticle Sensor Design for Intracellular pH Measurements. <i>ACS Nano</i> , 2011, 5, 5864-5873.	14.6	161
14	Complement activation cascade triggered by PEG~PL engineered nanomedicines and carbon nanotubes: The challenges ahead. <i>Journal of Controlled Release</i> , 2010, 146, 175-181.	9.9	157
15	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> , 2019, 1871, 109-116.	7.4	153
16	Enzymatic Release of Antitumor Ether Lipids by Specific Phospholipase A2 Activation of Liposome-Forming Prodrugs. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 1694-1703.	6.4	149
17	Liposome imaging agents in personalized medicine. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1417-1435.	13.7	146
18	Revisit complexation between DNA and polyethylenimine " Effect of length of free polycationic chains on gene transfection. <i>Journal of Controlled Release</i> , 2011, 152, 143-151.	9.9	132

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19	Secreted phospholipase A2 as a new enzymatic trigger mechanism for localised liposomal drug release and absorption in diseased tissue. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1609, 95-101.	2.6	125
20	⁶⁴ Cu loaded liposomes as positron emission tomography imaging agents. <i>Biomaterials</i> , 2011, 32, 2334-2341.	11.4	123
21	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> , 2019, 295, 237-249.	9.9	112
22	Single-Walled Carbon Nanotube Surface Control of Complement Recognition and Activation. <i>ACS Nano</i> , 2013, 7, 1108-1119.	14.6	110
23	Elucidating the interplay between DNA-condensing and free polycations in gene transfection through a mechanistic study of linear and branched PEI. <i>Biomaterials</i> , 2011, 32, 8626-8634.	11.4	103
24	Liposomal cancer therapy: exploiting tumor characteristics. <i>Expert Opinion on Drug Delivery</i> , 2010, 7, 225-243.	5.0	102
25	Antibody affinity and valency impact brain uptake of transferrin receptor-targeted gold nanoparticles. <i>Theranostics</i> , 2018, 8, 3416-3436.	10.0	101
26	Micromotors for drug delivery in vivo: The road ahead. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 41-55.	13.7	99
27	A multi-chamber microfluidic intestinal barrier model using Caco-2 cells for drug transport studies. <i>PLoS ONE</i> , 2018, 13, e0197101.	2.5	90
28	Understanding Detergent Effects on Lipid Membranes: A Model Study of Lysolipids. <i>Biophysical Journal</i> , 2010, 98, 2199-2205.	0.5	89
29	Design, Synthesis, Structural and Functional Characterization of Novel Melanocortin Agonists Based on the Cyclotide Kalata B1. <i>Journal of Biological Chemistry</i> , 2012, 287, 40493-40501.	3.4	88
30	Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future. <i>Advanced Science</i> , 2018, 5, 1700931.	11.2	83
31	3D Biomaterial Microarrays for Regenerative Medicine: Current State-of-the-Art, Emerging Directions and Future Trends. <i>Advanced Materials</i> , 2016, 28, 771-781.	21.0	80
32	Triggered Activation and Release of Liposomal Prodrugs and Drugs in Cancer Tissue by Secretory Phospholipase A2. <i>Current Drug Delivery</i> , 2005, 2, 353-362.	1.6	77
33	Liposomal Formulation of Retinoids Designed for Enzyme Triggered Release. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 3782-3792.	6.4	77
34	Recent advances in compartmentalized synthetic architectures as drug carriers, cell mimics and artificial organelles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 199-213.	5.0	73
35	Synthesis and Biophysical Characterization of Chlorambucil Anticancer Ether Lipid Prodrugs. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3408-3415.	6.4	72
36	Complement: Alive and Kicking Nanomedicines. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 364-372.	1.1	71

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37	Domain-Induced Activation of Human Phospholipase A2 Type IIA: Local versus Global Lipid Composition. <i>Biophysical Journal</i> , 2006, 90, 3165-3175.	0.5	70
38	Drug Delivery by an Enzyme-Mediated Cyclization of a Lipid Prodrug with Unique Bilayer-Formation Properties. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1823-1826.	13.8	67
39	Particulate Systems for Targeting of Macrophages: Basic and Therapeutic Concepts. <i>Journal of Innate Immunity</i> , 2012, 4, 509-528.	3.8	66
40	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> , 2018, 269, 10-14.	9.9	66
41	Positron emission tomography evaluation of somatostatin receptor targeted ⁶⁴ Cu-TATE-liposomes in a human neuroendocrine carcinoma mouse model. <i>Journal of Controlled Release</i> , 2012, 160, 254-263.	9.9	65
42	Multicompartment Artificial Organelles Conducting Enzymatic Cascade Reactions inside Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15907-15921.	8.0	65
43	Activation of interfacial enzymes at membrane surfaces. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S1293-S1304.	1.8	64
44	Expanding the dynamic measurement range for polymeric nanoparticle pH sensors. <i>Chemical Communications</i> , 2011, 47, 5268.	4.1	64
45	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> , 2006, 16, 167-174.	3.3	61
46	Adsorption of Cationic Peptides to Solid Surfaces of Glass and Plastic. <i>PLoS ONE</i> , 2015, 10, e0122419.	2.5	60
47	Dissociation of fluorescently labeled lipids from liposomes in biological environments challenges the interpretation of uptake studies. <i>Nanoscale</i> , 2018, 10, 22720-22724.	5.6	60
48	Mechanistic Study of the sPLA ₂ -Mediated Hydrolysis of a Thio-ester Pro Anticancer Ether Lipid. <i>Journal of the American Chemical Society</i> , 2009, 131, 12193-12200.	13.7	57
49	Combinatorial Screening of Nanoclay-Reinforced Hydrogels: A Glimpse of the “Holy Grail” in Orthopedic Stem Cell Therapy?. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34924-34941.	8.0	54
50	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> , 2017, 11, 351-359.	3.0	52
51	Synthesis and Evaluation of Hydrogen Peroxide Sensitive Prodrugs of Methotrexate and Aminopterin for the Treatment of Rheumatoid Arthritis. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3503-3515.	6.4	51
52	The hard protein corona of stealth liposomes is sparse. <i>Journal of Controlled Release</i> , 2019, 307, 1-15.	9.9	51
53	Side Chain Hydrophobicity Modulates Therapeutic Activity and Membrane Selectivity of Antimicrobial Peptide Mastoparan-X. <i>PLoS ONE</i> , 2014, 9, e91007.	2.5	50
54	Investigation of enzyme-sensitive lipid nanoparticles for delivery of siRNA to blood–brain barrier and glioma cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 5995.	6.7	49

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55	Tumor repolarization by an advanced liposomal drug delivery system provides a potent new approach for chemo-immunotherapy. <i>Science Advances</i> , 2020, 6, .	10.3	49
56	Mouse Positron Emission Tomography Study of the Biodistribution of Gold Nanoparticles with Different Surface Coatings Using Embedded Copper-64. <i>ACS Nano</i> , 2016, 10, 9887-9898.	14.6	48
57	Complex Surface Concentration Gradients by Stenciled α -Electro Click Chemistry. <i>Langmuir</i> , 2010, 26, 16171-16177.	3.5	45
58	Theranostic Imaging May Vaccinate against the Therapeutic Benefit of Long Circulating PEGylated Liposomes and Change Cargo Pharmacokinetics. <i>ACS Nano</i> , 2018, 12, 11386-11398.	14.6	45
59	A Concise Synthesis of Castanospermine by the Use of a Transannular Cyclization. <i>Journal of Organic Chemistry</i> , 2009, 74, 8886-8889.	3.2	44
60	Thermodynamic and biological evaluation of a thrombin binding aptamer modified with several unlocked nucleic acid (UNA) monomers and a 2 α -C-piperazino-UNA monomer. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4739-4745.	3.0	43
61	Remote-loading of liposomes with manganese-52 and in vivo evaluation of the stabilities of ⁵² Mn-DOTA and ⁶⁴ Cu-DOTA using radiolabelled liposomes and PET imaging. <i>Journal of Controlled Release</i> , 2018, 269, 100-109.	9.9	43
62	In vitro toxicity of cationic micelles and liposomes in cultured human hepatocyte (HepG2) and lung epithelial (A549) cell lines. <i>Toxicology in Vitro</i> , 2016, 36, 164-171.	2.4	42
63	Synthesis and Biological Activity of Anticancer Ether Lipids That Are Specifically Released by Phospholipase A2 in Tumor Tissue. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 7305-7314.	6.4	41
64	Molecular Basis of Phospholipase A2 Activity toward Phospholipids with sn-1 Substitutions. <i>Biophysical Journal</i> , 2008, 94, 14-26.	0.5	40
65	Polymeric Nanosensors for Measuring the Full Dynamic pH Range of Endosomes and Lysosomes in Mammalian Cells. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 676-682.	1.1	39
66	Design, calibration and application of broad-range optical nanosensors for determining intracellular pH. <i>Nature Protocols</i> , 2014, 9, 2841-2858.	12.0	39
67	Liposomes containing alkylated methotrexate analogues for phospholipase A2 mediated tumor targeted drug delivery. <i>Chemistry and Physics of Lipids</i> , 2009, 157, 94-103.	3.2	38
68	Differential toxicological response to positively and negatively charged nanoparticles in the rat brain. <i>Nanotoxicology</i> , 2014, 8, 1-33.	3.0	38
69	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> , 2013, 9, 469-473.	3.3	38
70	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> , 2017, 522, 90-97.	5.2	38
71	Revisiting the use of sPLA 2 -sensitive liposomes in cancer therapy. <i>Journal of Controlled Release</i> , 2017, 261, 163-173.	9.9	38
72	Thermodynamic Profiling of Peptide Membrane Interactions by Isothermal Titration Calorimetry: A Search for Pores and Micelles. <i>Biophysical Journal</i> , 2011, 101, 100-109.	0.5	37

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73	Crystal Structures of 2,3,6,7,10,11-Oxytriphenylenes. Implications for Columnar Discotic Mesophases. <i>Chemistry of Materials</i> , 2000, 12, 2428-2433.	6.7	36
74	In vivo evaluation of PEGylated ⁶⁴ Cu-liposomes with theranostic and radiotherapeutic potential using micro PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 941-952.	6.4	36
75	Remote Loading of ⁶⁴ Cu ²⁺ into Liposomes without the Use of Ion Transport Enhancers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22796-22806.	8.0	35
76	Acylation of Glucagon-Like Peptide-2: Interaction with Lipid Membranes and In Vitro Intestinal Permeability. <i>PLoS ONE</i> , 2014, 9, e109939.	2.5	35
77	Delivery of TLR7 agonist to monocytes and dendritic cells by DCIR targeted liposomes induces robust production of anti-cancer cytokines. <i>Acta Biomaterialia</i> , 2017, 53, 367-377.	8.3	34
78	Engineering Liposomes and Nanoparticles for Biological Targeting. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2010, 125, 251-280.	1.1	33
79	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> , 2014, 15, 1625-1633.	5.4	32
80	Impedimetric Toxicity Assay in Microfluidics Using Free and Liposome-Encapsulated Anticancer Drugs. <i>Analytical Chemistry</i> , 2015, 87, 2204-2212.	6.5	32
81	Binding of human serum albumin to PEGylated liposomes: insights into binding numbers and dynamics by fluorescence correlation spectroscopy. <i>Nanoscale</i> , 2016, 8, 19726-19736.	5.6	32
82	Quantitative Evaluation of Bioorthogonal Chemistries for Surface Functionalization of Nanoparticles. <i>Bioconjugate Chemistry</i> , 2012, 23, 2444-2450.	3.6	31
83	Micropatterning of Functional Conductive Polymers with Multiple Surface Chemistries in Register. <i>Langmuir</i> , 2012, 28, 6502-6511.	3.5	31
84	Hyaluronic Acid Immobilized Polyacrylamide Nanoparticle Sensors for CD44 Receptor Targeting and pH Measurement in Cells. <i>Bioconjugate Chemistry</i> , 2012, 23, 2247-2255.	3.6	31
85	Secretory phospholipase A 2 responsive liposomes exhibit a potent anti-neoplastic effect in vitro , but induce unforeseen severe toxicity in vivo. <i>Journal of Controlled Release</i> , 2017, 262, 212-221.	9.9	31
86	Synthesis of anti-tumour phosphatidylinositol analogues from glucose by the use of ring-closing olefin metathesis. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2951.	2.8	30
87	Selective Acylation Enhances Membrane Charge Sensitivity of the Antimicrobial Peptide Mastoparan-X. <i>Biophysical Journal</i> , 2011, 100, 399-409.	0.5	29
88	Injectable Colloidal Gold for Use in Intrafractional 2D Image-Guided Radiation Therapy. <i>Advanced Healthcare Materials</i> , 2015, 4, 856-863.	7.6	29
89	Liquid fiducial marker performance during radiotherapy of locally advanced non small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2016, 121, 64-69.	0.6	29
90	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> , 2015, 42, 2818-2826.	3.0	28

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91	Elucidating the role of free polycations in gene knockdown by siRNA polyplexes. <i>Acta Biomaterialia</i> , 2016, 35, 248-259.	8.3	28
92	Head-to-Head Comparison of the Penetration Efficiency of Lipid-Based Nanoparticles into Tumor Spheroids. <i>ACS Omega</i> , 2020, 5, 21162-21171.	3.5	28
93	Membrane fusion of pH-sensitive liposomes – a quantitative study using giant unilamellar vesicles. <i>Soft Matter</i> , 2011, 7, 9027.	2.7	27
94	Quantification of leakage from large unilamellar lipid vesicles by fluorescence correlation spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2994-3002.	2.6	26
95	Secretory Phospholipase A2 Hydrolysis of Phospholipid Analogues Is Dependent on Water Accessibility to the Active Site. <i>Journal of the American Chemical Society</i> , 2007, 129, 5451-5461.	13.7	25
96	Injectable Colloidal Gold in a Sucrose Acetate Isobutyrate Gelating Matrix with Potential Use in Radiation Therapy. <i>Advanced Healthcare Materials</i> , 2014, 3, 1680-1687.	7.6	25
97	Topical delivery of vismodegib using ablative fractional laser and microemulsion formulation in vitro. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 79-87.	2.1	25
98	Solid-Phase Synthesis of PEGylated Lipopeptides Using Click Chemistry. <i>Bioconjugate Chemistry</i> , 2010, 21, 807-810.	3.6	24
99	Synthesis and Characterization of a Micelle-Based pH Nanosensor with an Unprecedented Broad Measurement Range. <i>Chemistry of Materials</i> , 2013, 25, 1496-1501.	6.7	24
100	Interdependence of initial cell density, drug concentration and exposure time revealed by real-time impedance spectroscopic cytotoxicity assay. <i>Analyst</i> , The, 2015, 140, 3623-3629.	3.5	24
101	Remote loading of liposomes with a ¹²⁴ I-radioiodinated compound and their <i>in vivo</i> evaluation by PET/CT in a murine tumor model. <i>Theranostics</i> , 2018, 8, 5828-5841.	10.0	24
102	Accelerated blood clearance and hypersensitivity by PEGylated liposomes containing TLR agonists. <i>Journal of Controlled Release</i> , 2022, 342, 337-344.	9.9	24
103	Facing the Design Challenges of Particle-Based Nanosensors for Metabolite Quantification in Living Cells. <i>Chemical Reviews</i> , 2015, 115, 8344-8378.	47.7	23
104	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> , 2017, 37, 2598-2613.	4.3	23
105	Liquid fiducial marker applicability in proton therapy of locally advanced lung cancer. <i>Radiotherapy and Oncology</i> , 2017, 122, 393-399.	0.6	22
106	¹⁸ F-FDG PET/CT-based early treatment response evaluation of nanoparticle-assisted photothermal cancer therapy. <i>PLoS ONE</i> , 2017, 12, e0177997.	2.5	22
107	Methotrexate prodrugs sensitive to reactive oxygen species for the improved treatment of rheumatoid arthritis. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 738-746.	5.5	22
108	Nanomechanical IR spectroscopy for fast analysis of liquid-dispersed engineered nanomaterials. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 667-673.	7.8	21

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109	Enhanced efficacy of sublingual immunotherapy by liposome-mediated delivery of allergen. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 8377-8388.	6.7	21
110	Multifarious Biologic Loaded Liposomes that Stimulate the Mammalian Target of Rapamycin Signaling Pathway Show Retina Neuroprotection after Retina Damage. <i>ACS Nano</i> , 2018, 12, 7497-7508.	14.6	21
111	Cell surface-tethered IL-12 repolarizes the tumor immune microenvironment to enhance the efficacy of adoptive T cell therapy. <i>Science Advances</i> , 2022, 8, eabi8075.	10.3	21
112	Synthesis and characterization of ratiometric nanosensors for pH quantification: a mixed micelle approach. <i>Chemical Communications</i> , 2012, 48, 4776.	4.1	20
113	Effective Nanoparticle-based Gene Delivery by a Protease Triggered Charge Switch. <i>Advanced Healthcare Materials</i> , 2014, 3, 1107-1118.	7.6	20
114	Acylation of salmon calcitonin modulates in vitro intestinal peptide flux through membrane permeability enhancement. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 329-337.	4.3	20
115	Complement-mediated tumour growth: Implications for cancer nanotechnology and nanomedicines. <i>Molecular Immunology</i> , 2009, 46, 1571-1572.	2.2	19
116	Mannose 6-Phosphate Receptor Is Reduced in -Synuclein Overexpressing Models of Parkinsons Disease. <i>PLoS ONE</i> , 2016, 11, e0160501.	2.5	19
117	Solvent Composition Directing Click-Functionalization at the Surface or in the Bulk of Azide-Modified PEDOT. <i>Macromolecules</i> , 2011, 44, 495-501.	4.8	18
118	A hydrogel based nanosensor with an unprecedented broad sensitivity range for pH measurements in cellular compartments. <i>Analyst, The</i> , 2015, 140, 7246-7253.	3.5	18
119	Oxidative Stability of Liposomes Composed of Docosahexaenoic Acid-Containing Phospholipids. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2007, 84, 631-637.	1.9	17
120	Prostaglandin phospholipid conjugates with unusual biophysical and cytotoxic properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4456-4458.	2.2	17
121	Combined colorimetric and gravimetric CMUT sensor for detection of benzyl methyl ketone. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 483-489.	7.8	17
122	PEG-Lipid Post Insertion into Drug Delivery Liposomes Quantified at the Single Liposome Level. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801807.	3.7	17
123	Isolation methods commonly used to study the liposomal protein corona suffer from contamination issues. <i>Acta Biomaterialia</i> , 2021, 130, 460-472.	8.3	17
124	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> , 2005, 1669, 1-7.	2.6	15
125	Synthesis of sn-1 functionalized phospholipids as substrates for secretory phospholipase A2. <i>Chemistry and Physics of Lipids</i> , 2007, 146, 54-66.	3.2	15
126	Folate receptor targeting of radiolabeled liposomes reduces intratumoral liposome accumulation in human KB carcinoma xenografts. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7647-7656.	6.7	15

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127	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> , 2019, 30, 2634-2646.	3.6	15
128	A tumorsphere model of glioblastoma multiforme with intratumoral heterogeneity for quantitative analysis of cellular migration and drug response. <i>Experimental Cell Research</i> , 2019, 379, 73-82.	2.6	15
129	Enhanced and Sustained Cutaneous Delivery of Vismodegib by Ablative Fractional Laser and Microemulsion Formulation. <i>Journal of Investigative Dermatology</i> , 2020, 140, 2051-2059.	0.7	15
130	Biodistribution of rhodamine B fluorescence-labeled cationic nanoparticles in rats. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	14
131	Propargylamine- <i>isothiocyanate</i> reaction: efficient conjugation chemistry in aqueous media. <i>Chemical Communications</i> , 2014, 50, 7800-7802.	4.1	14
132	Quantitative determination of ⁶⁴ Cu-liposome accumulation at inflammatory and infectious sites: Potential for future theranostic system. <i>Journal of Controlled Release</i> , 2020, 327, 737-746.	9.9	14
133	PET imaging of liposomes labeled with an [¹⁸ F]-fluorocholesteryl ether probe prepared by automated radiosynthesis. <i>Journal of Liposome Research</i> , 2012, 22, 295-305.	3.3	13
134	Handling a tricycle: Orthogonal versus random oxidation of the tricyclic inhibitor cystine knotted peptide gurmarin. <i>Peptides</i> , 2012, 37, 144-149.	2.4	13
135	Liposome-encapsulated chemotherapy: Current evidence for its use in companion animals. <i>Veterinary and Comparative Oncology</i> , 2018, 16, E1-E15.	1.8	13
136	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> , 2018, 13, 24-28.	1.7	13
137	Isomerization of all- <i>E</i> -Retinoic Acid Mediated by Carbodiimide Activation - Synthesis of ATRA Ether Lipid Conjugates. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 719-724.	2.4	12
138	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> , 2011, 1, 49-56.	4.2	12
139	Affinity Induced Surface Functionalization of Liposomes Using Cu-Free Click Chemistry. <i>Bioconjugate Chemistry</i> , 2016, 27, 1673-1680.	3.6	12
140	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> , 2017, 74, 2467-2485.	5.4	12
141	Feasibility of a novel liquid fiducial marker for use in image guided radiotherapy of oesophageal cancer. <i>British Journal of Radiology</i> , 2018, 91, 20180236.	2.2	12
142	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> , 2019, 95, 917-924.	1.5	12
143	A GALA lipopeptide mediates pH- and membrane charge dependent fusion with stable giant unilamellar vesicles. <i>Soft Matter</i> , 2012, 8, 5933.	2.7	11
144	Monocyte targeting and activation by cationic liposomes formulated with a TLR7 agonist. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1045-1058.	5.0	11

#	ARTICLE	IF	CITATIONS
145	Liposome accumulation in irradiated tumors display important tumor and dose dependent differences. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 27-34.	3.3	11
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