Thomas L Andresen

List of Publications by Year
in descending order

183	9,693	41344	43889
papers	citations	49 h-index	91 g-index

185	185	185	13939
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Possible â€œProton Sponge â€•Effect of Polyethylenimine (PEI) Does Not Include Change in Lysosomal pH. Molecular Therapy, 2013, 21, 149-157.	8.2	593
2	Advanced strategies in liposomal cancer therapy: Problems and prospects of active and tumor specific drug release. Progress in Lipid Research, 2005, 44, 68-97.	11.6	521
3	Factors Controlling Nanoparticle Pharmacokinetics: An Integrated Analysis and Perspective. Annual Review of Pharmacology and Toxicology, 2012, 52, 481-503.	9.4	477
4	In vivo toxicity of cationic micelles and liposomes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 467-477.	3.3	271
5	Distinct Polymer Architecture Mediates Switching of Complement Activation Pathways at the Nanosphereâ€“Serum Interface: Implications for Stealth Nanoparticle Engineering. ACS Nano, 2010, 4, 6629-6638.	14.6	263
6	Material properties in complement activation. Advanced Drug Delivery Reviews, 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. ACS Nano, 2015, 9, 6985-6995.	14.6	220
8	Targeting the transferrin receptor for brain drug delivery. Progress in Neurobiology, 2019, 181, 101665.	5.7	204
9	Polycation cytotoxicity: a delicate matter for nucleic acid therapyâ€”focus on polyethylenimine. Soft Matter, 2010, 6, 4001.	2.7	193
10	Methylation of the phosphate oxygen moiety of phospholipidâ€methoxy(polyethylene glycol) conjugate prevents PEGylated liposomeâ€mediated complement activation and anaphylatoxin production. FASEB Journal, 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. Scientific Reports, 2017, 7, 10396.	3.3	171
12	Enzyme-triggered nanomedicine: Drug release strategies in cancer therapy (Invited Review). Molecular Membrane Biology, 2010, 27, 353-363.	2.0	162
13	Evaluating Nanoparticle Sensor Design for Intracellular pH Measurements. ACS Nano, 2011, 5, 5864-5873.	14.6	161
14	Complement activation cascade triggered by PEGâ€“PL engineered nanomedicines and carbon nanotubes: The challenges ahead. Journal of Controlled Release, 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. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1871, 109-116.	7.4	153
16	Enzymatic Release of Antitumor Ether Lipids by Specific Phospholipase A2 Activation of Liposome-Forming Prodrugs. Journal of Medicinal Chemistry, 2004, 47, 1694-1703.	6.4	149
17	Liposome imaging agents in personalized medicine. Advanced Drug Delivery Reviews, 2012, 64, 1417-1435.	13.7	146
18	Revisit complexation between DNA and polyethylenimine â€” Effect of length of free polycationic chains on gene transfection. Journal of Controlled Release, 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. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1609, 95-101.	2.6	125
20	64Cu loaded liposomes as positron emission tomography imaging agents. Biomaterials, 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. Journal of Controlled Release, 2019, 295, 237-249.	9.9	112
22	Single-Walled Carbon Nanotube Surface Control of Complement Recognition and Activation. ACS Nano, 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. Biomaterials, 2011, 32, 8626-8634.	11.4	103
24	Liposomal cancer therapy: exploiting tumor characteristics. Expert Opinion on Drug Delivery, 2010, 7, 225-243.	5.0	102
25	Antibody affinity and valency impact brain uptake of transferrin receptor-targeted gold nanoparticles. Theranostics, 2018, 8, 3416-3436.	10.0	101
26	Micromotors for drug delivery in vivo: The road ahead. Advanced Drug Delivery Reviews, 2019, 138, 41-55.	13.7	99
27	A multi-chamber microfluidic intestinal barrier model using Caco-2 cells for drug transport studies. PLoS ONE, 2018, 13, e0197101.	2.5	90
28	Understanding Detergent Effects on Lipid Membranes: A Model Study of Lysolipids. Biophysical Journal, 2010, 98, 2199-2205.	0.5	89
29	Design, Synthesis, Structural and Functional Characterization of Novel Melanocortin Agonists Based on the Cyclotide Kalata B1. Journal of Biological Chemistry, 2012, 287, 40493-40501.	3.4	88
30	Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future. Advanced Science, 2018, 5, 1700931.	11.2	83
31	3D Biomaterial Microarrays for Regenerative Medicine: Current Stateâ€ofâ€theâ€Art, Emerging Directions and Future Trends. Advanced Materials, 2016, 28, 771-781.	21.0	80
32	Triggered Activation and Release of Liposomal Prodrugs and Drugs in Cancer Tissue by Secretory Phospholipase A2. Current Drug Delivery, 2005, 2, 353-362.	1.6	77
33	Liposomal Formulation of Retinoids Designed for Enzyme Triggered Release. Journal of Medicinal Chemistry, 2010, 53, 3782-3792.	6.4	77
34	Recent advances in compartmentalized synthetic architectures as drug carriers, cell mimics and artificial organelles. Colloids and Surfaces B: Biointerfaces, 2017, 152, 199-213.	5.0	73
35	Synthesis and Biophysical Characterization of Chlorambucil Anticancer Ether Lipid Prodrugs. Journal of Medicinal Chemistry, 2009, 52, 3408-3415.	6.4	72
36	Complement: Alive and Kicking Nanomedicines. Journal of Biomedical Nanotechnology, 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. Biophysical Journal, 2006, 90, 3165-3175.	0.5	70
38	Drug Delivery by an Enzymeâ€Mediated Cyclization of a Lipid Prodrug with Unique Bilayerâ€Formation Properties. Angewandte Chemie - International Edition, 2009, 48, 1823-1826.	13.8	67
39	Particulate Systems for Targeting of Macrophages: Basic and Therapeutic Concepts. Journal of Innate Immunity, 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 â€“ A commentary. Journal of Controlled Release, 2018, 269, 10-14.	9.9	66
41	Positron emission tomography evaluation of somatostatin receptor targeted 64Cu-TATE-liposomes in a human neuroendocrine carcinoma mouse model. Journal of Controlled Release, 2012, 160, 254-263.	9.9	65
42	Multicompartment Artificial Organelles Conducting Enzymatic Cascade Reactions inside Cells. ACS Applied Materials & Interfaces, 2017, 9, 15907-15921.	8.0	65
43	Activation of interfacial enzymes at membrane surfaces. Journal of Physics Condensed Matter, 2006, 18, S1293-S1304.	1.8	64
44	Expanding the dynamic measurement range for polymeric nanoparticle pH sensors. Chemical Communications, 2011, 47, 5268.	4.1	64
45	Activation of the Human Complement System by Cholesterol-Rich and PEGylated Liposomesâ€"Modulation of Cholesterol-Rich Liposome-Mediated Complement Activation by Elevated Serum LDL and HDL Levels. Journal of Liposome Research, 2006, 16, 167-174.	3.3	61
46	Adsorption of Cationic Peptides to Solid Surfaces of Glass and Plastic. PLoS ONE, 2015, 10, e0122419.	2.5	60
47	Dissociation of fluorescently labeled lipids from liposomes in biological environments challenges the interpretation of uptake studies. Nanoscale, 2018, 10, 22720-22724.	5.6	60
48	Mechanistic Study of the sPLA₂-Mediated Hydrolysis of a Thio-ester Pro Anticancer Ether Lipid. Journal of the American Chemical Society, 2009, 131, 12193-12200.	13.7	57
49	Combinatorial Screening of Nanoclay-Reinforced Hydrogels: A Glimpse of the â€œHoly Grailâ€•in Orthopedic Stem Cell Therapy?. ACS Applied Materials & Interfaces, 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 (Danio rerio), using light sheet microscopy. Nanotoxicology, 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. Journal of Medicinal Chemistry, 2018, 61, 3503-3515.	6.4	51
52	The hard protein corona of stealth liposomes is sparse. Journal of Controlled Release, 2019, 307, 1-15.	9.9	51
53	Side Chain Hydrophobicity Modulates Therapeutic Activity and Membrane Selectivity of Antimicrobial Peptide Mastoparan-X. PLoS ONE, 2014, 9, e91007.	2.5	50
54	Investigation of enzyme-sensitive lipid nanoparticles for delivery of siRNA to blood–brain barrier and glioma cells. International Journal of Nanomedicine, 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. Science Advances, 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. ACS Nano, 2016, 10, 9887-9898.	14.6	48
57	Complex Surface Concentration Gradients by Stenciled â€Electro Click Chemistryâ€. Langmuir, 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. ACS Nano, 2018, 12, 11386-11398.	14.6	45
59	A Concise Synthesis of Castanospermine by the Use of a Transannular Cyclization. Journal of Organic Chemistry, 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 2â€²-C-piperazino-UNA monomer. Bioorganic and Medicinal Chemistry, 2011, 19, 4739-4745.	3.0	43
61	Remote-loading of liposomes with manganese-52 and in vivo evaluation of the stabilities of 52Mn-DOTA and 64Cu-DOTA using radiolabelled liposomes and PET imaging. Journal of Controlled Release, 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. Toxicology in Vitro, 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. Journal of Medicinal Chemistry, 2005, 48, 7305-7314.	6.4	41
64	Molecular Basis of Phospholipase A2 Activity toward Phospholipids with sn-1 Substitutions. Biophysical Journal, 2008, 94, 14-26.	0.5	40
65	Polymeric Nanosensors for Measuring the Full Dynamic pH Range of Endosomes and Lysosomes in Mammalian Cells. Journal of Biomedical Nanotechnology, 2009, 5, 676-682.	1.1	39
66	Design, calibration and application of broad-range optical nanosensors for determining intracellular pH. Nature Protocols, 2014, 9, 2841-2858.	12.0	39
67	Liposomes containing alkylated methotrexate analogues for phospholipase A2 mediated tumor targeted drug delivery. Chemistry and Physics of Lipids, 2009, 157, 94-103.	3.2	38
68	Differential toxicological response to positively and negatively charged nanoparticles in the rat brain. Nanotoxicology, 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. Nanomedicine: Nanotechnology, Biology, and Medicine, 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. International Journal of Pharmaceutics, 2017, 522, 90-97.	5.2	38
71	Revisiting the use of sPLA 2 -sensitive liposomes in cancer therapy. Journal of Controlled Release, 2017, 261, 163-173.	9.9	38
72	Thermodynamic Profiling of Peptide Membrane Interactions by Isothermal Titration Calorimetry: A Search for Pores and Micelles. Biophysical Journal, 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. Chemistry of Materials, 2000, 12, 2428-2433.	6.7	36
74	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.	6.4	36
75	Remote Loading of ⁶⁴Cu²⁺ into Liposomes without the Use of Ion Transport Enhancers. ACS Applied Materials & Interfaces, 2015, 7, 22796-22806.	8.0	35
76	Acylation of Glucagon-Like Peptide-2: Interaction with Lipid Membranes and In Vitro Intestinal Permeability. PLoS ONE, 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. Acta Biomaterialia, 2017, 53, 367-377.	8.3	34
78	Engineering Liposomes and Nanoparticles for Biological Targeting. Advances in Biochemical Engineering/Biotechnology, 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. Biomacromolecules, 2014, 15, 1625-1633.	5.4	32
80	Impedimetric Toxicity Assay in Microfluidics Using Free and Liposome-Encapsulated Anticancer Drugs. Analytical Chemistry, 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. Nanoscale, 2016, 8, 19726-19736.	5.6	32
82	Quantitative Evaluation of Bioorthogonal Chemistries for Surface Functionalization of Nanoparticles. Bioconjugate Chemistry, 2012, 23, 2444-2450.	3.6	31
83	Micropatterning of Functional Conductive Polymers with Multiple Surface Chemistries in Register. Langmuir, 2012, 28, 6502-6511.	3.5	31
84	Hyaluronic Acid Immobilized Polyacrylamide Nanoparticle Sensors for CD44 Receptor Targeting and pH Measurement in Cells. Bioconjugate Chemistry, 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. Journal of Controlled Release, 2017, 262, 212-221.	9.9	31
86	Synthesis of anti-tumour phosphatidylinositol analogues from glucose by the use of ring-closing olefin metathesis. Organic and Biomolecular Chemistry, 2004, 2, 2951.	2.8	30
87	Selective Acylation Enhances Membrane Charge Sensitivity of the Antimicrobial Peptide Mastoparan-X. Biophysical Journal, 2011, 100, 399-409.	0.5	29
88	Injectable Colloidal Gold for Use in Intrafractional 2D Imageâ€Guided Radiation Therapy. Advanced Healthcare Materials, 2015, 4, 856-863.	7.6	29
89	Liquid fiducial marker performance during radiotherapy of locally advanced non small cell lung cancer. Radiotherapy and Oncology, 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. Medical Physics, 2015, 42, 2818-2826.	3.0	28

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91	Elucidating the role of free polycations in gene knockdown by siRNA polyplexes. Acta Biomaterialia, 2016, 35, 248-259.	8.3	28
92	Head-to-Head Comparison of the Penetration Efficiency of Lipid-Based Nanoparticles into Tumor Spheroids. ACS Omega, 2020, 5, 21162-21171.	3.5	28
93	Membrane fusion of pH-sensitive liposomes â€“ a quantitative study using giant unilamellar vesicles. Soft Matter, 2011, 7, 9027.	2.7	27
94	Quantification of leakage from large unilamellar lipid vesicles by fluorescence correlation spectroscopy. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2994-3002.	2.6	26
95	Secretory Phospholipase A2Hydrolysis of Phospholipid Analogues Is Dependent on Water Accessibility to the Active Site. Journal of the American Chemical Society, 2007, 129, 5451-5461.	13.7	25
96	Injectable Colloidal Gold in a Sucrose Acetate Isobutyrate Gelating Matrix with Potential Use in Radiation Therapy. Advanced Healthcare Materials, 2014, 3, 1680-1687.	7.6	25
97	Topical delivery of vismodegib using ablative fractional laser and microâ€emulsion formulation in vitro. Lasers in Surgery and Medicine, 2019, 51, 79-87.	2.1	25
98	Solid-Phase Synthesis of PEGylated Lipopeptides Using Click Chemistry. Bioconjugate Chemistry, 2010, 21, 807-810.	3.6	24
99	Synthesis and Characterization of a Micelle-Based pH Nanosensor with an Unprecedented Broad Measurement Range. Chemistry of Materials, 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. Analyst, The, 2015, 140, 3623-3629.	3.5	24
101	Remote loading of liposomes with a ¹²⁴I-radioiodinated compound and their in vivo evaluation by PET/CT in a murine tumor model. Theranostics, 2018, 8, 5828-5841.	10.0	24
102	Accelerated blood clearance and hypersensitivity by PEGylated liposomes containing TLR agonists. Journal of Controlled Release, 2022, 342, 337-344.	9.9	24
103	Facing the Design Challenges of Particle-Based Nanosensors for Metabolite Quantification in Living Cells. Chemical Reviews, 2015, 115, 8344-8378.	47.7	23
104	Bidirectional apicalâ€“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.	4.3	23
105	Liquid fiducial marker applicability in proton therapy of locally advanced lung cancer. Radiotherapy and Oncology, 2017, 122, 393-399.	0.6	22
106	18F-FDG PET/CT-based early treatment response evaluation of nanoparticle-assisted photothermal cancer therapy. PLoS ONE, 2017, 12, e0177997.	2.5	22
107	Methotrexate prodrugs sensitive to reactive oxygen species for the improved treatment of rheumatoid arthritis. European Journal of Medicinal Chemistry, 2018, 156, 738-746.	5.5	22
108	Nanomechanical IR spectroscopy for fast analysis of liquid-dispersed engineered nanomaterials. Sensors and Actuators B: Chemical, 2016, 233, 667-673.	7.8	21

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109	Enhanced efficacy of sublingual immunotherapy by liposome-mediated delivery of allergen. International Journal of Nanomedicine, 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. ACS Nano, 2018, 12, 7497-7508.	14.6	21
111	Cell surfaceâ€“tethered IL-12 repolarizes the tumor immune microenvironment to enhance the efficacy of adoptive T cell therapy. Science Advances, 2022, 8, eabi8075.	10.3	21
112	Synthesis and characterization of ratiometric nanosensors for pH quantification: a mixed micelle approach. Chemical Communications, 2012, 48, 4776.	4.1	20
113	Effective Nanoparticleâ€based Gene Delivery by a Protease Triggered Charge Switch. Advanced Healthcare Materials, 2014, 3, 1107-1118.	7.6	20
114	Acylation of salmon calcitonin modulates in vitro intestinal peptide flux through membrane permeability enhancement. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 329-337.	4.3	20
115	Complement-mediated tumour growth: Implications for cancer nanotechnology and nanomedicines. Molecular Immunology, 2009, 46, 1571-1572.	2.2	19
116	Mannose 6-Phosphate Receptor Is Reduced in -Synuclein Overexpressing Models of Parkinsons Disease. PLoS ONE, 2016, 11, e0160501.	2.5	19
117	Solvent Composition Directing Click-Functionalization at the Surface or in the Bulk of Azide-Modified PEDOT. Macromolecules, 2011, 44, 495-501.	4.8	18
118	A hydrogel based nanosensor with an unprecedented broad sensitivity range for pH measurements in cellular compartments. Analyst, The, 2015, 140, 7246-7253.	3.5	18
119	Oxidative Stability of Liposomes Composed of Docosahexaenoic Acid-Containing Phospholipids. JAOCS, Journal of the American Oil Chemists' Society, 2007, 84, 631-637.	1.9	17
120	Prostaglandin phospholipid conjugates with unusual biophysical and cytotoxic properties. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4456-4458.	2.2	17
121	Combined colorimetric and gravimetric CMUT sensor for detection of benzyl methyl ketone. Sensors and Actuators B: Chemical, 2018, 275, 483-489.	7.8	17
122	PEGâ€Lipid Post Insertion into Drug Delivery Liposomes Quantified at the Single Liposome Level. Advanced Materials Interfaces, 2019, 6, 1801807.	3.7	17
123	Isolation methods commonly used to study the liposomal protein corona suffer from contamination issues. Acta Biomaterialia, 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. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1669, 1-7.	2.6	15
125	Synthesis of sn-1 functionalized phospholipids as substrates for secretory phospholipase A2. Chemistry and Physics of Lipids, 2007, 146, 54-66.	3.2	15
126	Folate receptor targeting of radiolabeled liposomes reduces intratumoral liposome accumulation in human KB carcinoma xenografts. International Journal of Nanomedicine, 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. Bioconjugate Chemistry, 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. Experimental Cell Research, 2019, 379, 73-82.	2.6	15
129	Enhanced and Sustained Cutaneous Delivery of Vismodegib by Ablative Fractional Laser and Microemulsion Formulation. Journal of Investigative Dermatology, 2020, 140, 2051-2059.	0.7	15
130	Biodistribution of rhodamine B fluorescence-labeled cationic nanoparticles in rats. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	14
131	Propargylamineâ€“isothiocyanate reaction: efficient conjugation chemistry in aqueous media. Chemical Communications, 2014, 50, 7800-7802.	4.1	14
132	Quantitative determination of 64Cu-liposome accumulation at inflammatory and infectious sites: Potential for future theranostic system. Journal of Controlled Release, 2020, 327, 737-746.	9.9	14
133	PET imaging of liposomes labeled with an [¹⁸F]-fluorocholesteryl ether probe prepared by automated radiosynthesis. Journal of Liposome Research, 2012, 22, 295-305.	3.3	13
134	Handling a tricycle: Orthogonal versus random oxidation of the tricyclic inhibitor cystine knotted peptide gurmarin. Peptides, 2012, 37, 144-149.	2.4	13
135	Liposomeâ€encapsulated chemotherapy: Current evidence for its use in companion animals. Veterinary and Comparative Oncology, 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. Clinical and Translational Radiation Oncology, 2018, 13, 24-28.	1.7	13
137	Isomerization of allâ€(E)â€Retinoic Acid Mediated by Carbodiimide Activation â€“ Synthesis of ATRA Ether Lipid Conjugates. European Journal of Organic Chemistry, 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. Results in Pharma Sciences, 2011, 1, 49-56.	4.2	12
139	Affinity Induced Surface Functionalization of Liposomes Using Cu-Free Click Chemistry. Bioconjugate Chemistry, 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. Cellular and Molecular Life Sciences, 2017, 74, 2467-2485.	5.4	12
141	Feasibility of a novel liquid fiducial marker for use in image guided radiotherapy of oesophageal cancer. British Journal of Radiology, 2018, 91, 20180236.	2.2	12
142	Unique Calibrators Derived from Fluorescenceâ€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.	1.5	12
143	A GALA lipopeptide mediates pH- and membrane charge dependent fusion with stable giant unilamellar vesicles. Soft Matter, 2012, 8, 5933.	2.7	11
144	Monocyte targeting and activation by cationic liposomes formulated with a TLR7 agonist. Expert Opinion on Drug Delivery, 2015, 12, 1045-1058.	5.0	11

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145	Liposome accumulation in irradiated tumors display important tumor and dose dependent differences. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 27-34.	3.3	11
146	Endothelial Protein Câ€“Targeting Liposomes Show Enhanced Uptake and Improved Therapeutic Efficacy in Human Retinal Endothelial Cells. , 2018, 59, 2119.		11
147	Cross-linked self-assembled micelle based nanosensor for intracellular pH measurements. Journal of Materials Chemistry B, 2014, 2, 6652-6659.	5.8	10
148	Facile Largeâ€Scale Synthesis of 5â€•and 6â€Carboxyfluoresceins: Application for the Preparation of New Fluorescent Dyes. European Journal of Organic Chemistry, 2015, 2015, 7301-7309.	2.4	10
149	Single-Vesicle Detection and Analysis of Peptide-Induced Membrane Permeabilization. Langmuir, 2015, 31, 2472-2483.	3.5	10
150	The need to freezeâ€"Dehydration during specimen preparation for electron microscopy collapses the endothelial glycocalyx regardless of fixation method. Microcirculation, 2020, 27, e12643.	1.8	10
151	Unravelling Heterogeneities in Complement and Antibody Opsonization of Individual Liposomes as a Function of Surface Architecture. Small, 2022, 18, e2106529.	10.0	10
152	Secretory Phospholipase A₂ Activity toward Diverse Substrates. Journal of Physical Chemistry B, 2011, 115, 6853-6861.	2.6	9
153	Catalystâ€Free Conjugation and In Situ Quantification of Nanoparticle Ligand Surface Density Using Fluorogenic Cuâ€Free Click Chemistry. Chemistry - A European Journal, 2011, 17, 3326-3331.	3.3	9
154	How To Characterize Individual Nanosize Liposomes with Simple Self-Calibrating Fluorescence Microscopy. Nano Letters, 2018, 18, 2844-2851.	9.1	9
155	Injectable iodine-125 labeled tissue marker for radioactive localization of non-palpable breast lesions. Acta Biomaterialia, 2018, 65, 197-202.	8.3	9
156	A participant-derived xenograft model of HIV enables long-term evaluation of autologous immunotherapies. Journal of Experimental Medicine, 2021, 218, .	8.5	9
157	Optical tissue clearing and machine learning can precisely characterize extravasation and blood vessel architecture in brain tumors. Communications Biology, 2021, 4, 815.	4.4	9
158	PET imaging with copperâ€64 as a tool for realâ€time in vivo investigations of the necessity for crossâ€linking of polymeric micelles in nanomedicine. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 366-374.	1.0	8
159	Protein Transduction Domain Mimics Facilitate Rapid Antigen Delivery into Monocytes. Molecular Pharmaceutics, 2019, 16, 2462-2469.	4.6	8
160	Multimodal soft tissue markers for bridging high-resolution diagnostic imaging with therapeutic intervention. Science Advances, 2020, 6, eabb5353.	10.3	8
161	Brain tumor vesselsâ€"a barrier for drug delivery. Cancer and Metastasis Reviews, 2020, 39, 959-968.	5.9	8
162	Effective Intratumoral Retention of [¹⁰³Pd]AuPd Alloy Nanoparticles Embedded in Gelâ€Forming Liquids Paves the Way for New Nanobrachytherapy. Advanced Healthcare Materials, 2021, 10, e2002009.	7.6	8

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