

# Twan Lammers

## List of Publications by Year in descending order

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256  
papers

22,962  
citations

7096

78  
h-index

9345

143  
g-index

266  
all docs

266  
docs citations

266  
times ranked

27479  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drug targeting to tumors: Principles, pitfalls and (pre-) clinical progress. <i>Journal of Controlled Release</i> , 2012, 161, 175-187.	9.9	1,131
2	Tumor targeting via EPR: Strategies to enhance patient responses. <i>Advanced Drug Delivery Reviews</i> , 2018, 130, 17-38.	13.7	897
3	Challenges and strategies in anti-cancer nanomedicine development: An industry perspective. <i>Advanced Drug Delivery Reviews</i> , 2017, 108, 25-38.	13.7	881
4	Smart cancer nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 1007-1017.	31.5	776
5	Theranostic Nanomedicine. <i>Accounts of Chemical Research</i> , 2011, 44, 1029-1038.	15.6	765
6	Iron oxide nanoparticles: Diagnostic, therapeutic and theranostic applications. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 302-325.	13.7	731
7	Tumour-targeted nanomedicines: principles and practice. <i>British Journal of Cancer</i> , 2008, 99, 392-397.	6.4	478
8	The EPR effect and beyond: Strategies to improve tumor targeting and cancer nanomedicine treatment efficacy. <i>Theranostics</i> , 2020, 10, 7921-7924.	10.0	459
9	Core-crosslinked polymeric micelles: Principles, preparation, biomedical applications and clinical translation. <i>Nano Today</i> , 2015, 10, 93-117.	11.9	415
10	Noninvasive Imaging of Nanomedicines and Nanotheranostics: Principles, Progress, and Prospects. <i>Chemical Reviews</i> , 2015, 115, 10907-10937.	47.7	401
11	Applications of nanoparticles for diagnosis and therapy of cancer. <i>British Journal of Radiology</i> , 2015, 88, 20150207.	2.2	372
12	PLGA-Based Nanoparticles in Cancer Treatment. <i>Frontiers in Pharmacology</i> , 2018, 9, 1260.	3.5	372
13	Nanotheranostics and Image-Guided Drug Delivery: Current Concepts and Future Directions. <i>Molecular Pharmaceutics</i> , 2010, 7, 1899-1912.	4.6	344
14	Specific Targeting of Tumor Angiogenesis by RGD-Conjugated Ultrasmall Superparamagnetic Iron Oxide Particles Using a Clinical 1.5-T Magnetic Resonance Scanner. <i>Cancer Research</i> , 2007, 67, 1555-1562.	0.9	332
15	Combining Nanomedicine and Immunotherapy. <i>Accounts of Chemical Research</i> , 2019, 52, 1543-1554.	15.6	310
16	Recent progress in nanomedicine: therapeutic, diagnostic and theranostic applications. <i>Current Opinion in Biotechnology</i> , 2013, 24, 1159-1166.	6.6	279
17	Passive versus Active Tumor Targeting Using RGD- and NGR-Modified Polymeric Nanomedicines. <i>Nano Letters</i> , 2014, 14, 972-981.	9.1	272
18	Ultrasound Microbubbles for Molecular Diagnosis, Therapy, and Theranostics. <i>Journal of Nuclear Medicine</i> , 2012, 53, 345-348.	5.0	263

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19	Targeting iron metabolism in drug discovery and delivery. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 400-423.	46.4	258
20	CCL2-dependent infiltrating macrophages promote angiogenesis in progressive liver fibrosis. <i>Gut</i> , 2014, 63, 1960-1971.	12.1	247
21	Core-crosslinked polymeric micelles with controlled release of covalently entrapped doxorubicin. <i>Biomaterials</i> , 2010, 31, 7797-7804.	11.4	241
22	Multidrug resistance: Physiological principles and nanomedical solutions. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1852-1865.	13.7	220
23	Simultaneous delivery of doxorubicin and gemcitabine to tumors in vivo using prototypic polymeric drug carriers. <i>Biomaterials</i> , 2009, 30, 3466-3475.	11.4	219
24	Strategies for encapsulation of small hydrophilic and amphiphilic drugs in PLGA microspheres: State-of-the-art and challenges. <i>International Journal of Pharmaceutics</i> , 2016, 499, 358-367.	5.2	207
25	Nanoparticles for Imaging: Top or Flop?. <i>Radiology</i> , 2014, 273, 10-28.	7.3	195
26	Pharmacological and physical vessel modulation strategies to improve EPR-mediated drug targeting to tumors. <i>Advanced Drug Delivery Reviews</i> , 2017, 119, 44-60.	13.7	194
27	Superparamagnetic Iron Oxide Nanoparticles Encapsulated in Biodegradable Thermosensitive Polymeric Micelles: Toward a Targeted Nanomedicine Suitable for Image-Guided Drug Delivery. <i>Langmuir</i> , 2009, 25, 2060-2067.	3.5	187
28	Integrating Artificial Intelligence and Nanotechnology for Precision Cancer Medicine. <i>Advanced Materials</i> , 2020, 32, e1901989.	21.0	187
29	Complete Regression of Xenograft Tumors upon Targeted Delivery of Paclitaxel via $\beta$ -Sheet Stacking Stabilized Polymeric Micelles. <i>ACS Nano</i> , 2015, 9, 3740-3752.	14.6	185
30	Recent advances in molecular, multimodal and theranostic ultrasound imaging. <i>Advanced Drug Delivery Reviews</i> , 2014, 72, 15-27.	13.7	184
31	Tumor-targeted nanomedicines for cancer theranostics. <i>Pharmacological Research</i> , 2017, 115, 87-95.	7.1	176
32	3D Bioprinted Mini-Brain: A Glioblastoma Model to Study Cellular Interactions and Therapeutics. <i>Advanced Materials</i> , 2019, 31, e1806590.	21.0	168
33	Personalized Nanomedicine. <i>Clinical Cancer Research</i> , 2012, 18, 4889-4894.	7.0	166
34	Motion model ultrasound localization microscopy for preclinical and clinical multiparametric tumor characterization. <i>Nature Communications</i> , 2018, 9, 1527.	12.8	161
35	Enhancing Tumor Penetration of Nanomedicines. <i>Biomacromolecules</i> , 2017, 18, 1449-1459.	5.4	157
36	Cancer nanomedicine: is targeting our target?. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	154

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37	Iron oxide nanoparticle-containing microbubble composites as contrast agents for MR and ultrasound dual-modality imaging. <i>Biomaterials</i> , 2011, 32, 6155-6163.	11.4	147
38	Toxicity of metal-organic framework nanoparticles: from essential analyses to potential applications. <i>Chemical Society Reviews</i> , 2022, 51, 464-484.	38.1	144
39	Role of Type 2C Protein Phosphatases in Growth Regulation and in Cellular Stress Signaling. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2007, 42, 437-461.	5.2	143
40	Challenges in nanomedicine clinical translation. <i>Drug Delivery and Translational Research</i> , 2020, 10, 721-725.	5.8	140
41	Dexamethasone nanomedicines for COVID-19. <i>Nature Nanotechnology</i> , 2020, 15, 622-624.	31.5	138
42	Peptide-Functionalized Gold Nanorods Increase Liver Injury in Hepatitis. <i>ACS Nano</i> , 2012, 6, 8767-8777.	14.6	137
43	Image-guided, targeted and triggered drug delivery to tumors using polymer-based microbubbles. <i>Journal of Controlled Release</i> , 2012, 163, 75-81.	9.9	133
44	Nanomedicines for Inflammatory Arthritis: Head-to-Head Comparison of Glucocorticoid-Containing Polymers, Micelles, and Liposomes. <i>ACS Nano</i> , 2014, 8, 458-466.	14.6	133
45	Clinical application of polymeric micelles for the treatment of cancer. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1485-1501.	5.9	133
46	Micro-CT Imaging of Tumor Angiogenesis. <i>American Journal of Pathology</i> , 2014, 184, 431-441.	3.8	132
47	Polymeric nanomedicines for image-guided drug delivery and tumor-targeted combination therapy. <i>Nano Today</i> , 2010, 5, 197-212.	11.9	126
48	Effect of physicochemical modification on the biodistribution and tumor accumulation of HPMA copolymers. <i>Journal of Controlled Release</i> , 2005, 110, 103-118.	9.9	125
49	Physico-Chemical Strategies to Enhance Stability and Drug Retention of Polymeric Micelles for Tumor-Targeted Drug Delivery. <i>Macromolecular Bioscience</i> , 2017, 17, 1600160.	4.1	125
50	Theranostic USPIO-Loaded Microbubbles for Mediating and Monitoring Blood-Brain Barrier Permeation. <i>Advanced Functional Materials</i> , 2015, 25, 36-43.	14.9	123
51	Ultrasound-mediated drug delivery to the brain: principles, progress and prospects. <i>Drug Discovery Today: Technologies</i> , 2016, 20, 41-48.	4.0	120
52	Size-isolation of superparamagnetic iron oxide nanoparticles improves MRI, MPI and hyperthermia performance. <i>Journal of Nanobiotechnology</i> , 2020, 18, 22.	9.1	120
53	Sonoporation enhances liposome accumulation and penetration in tumors with low EPR. <i>Journal of Controlled Release</i> , 2016, 231, 77-85.	9.9	119
54	Image-guided and passively tumour-targeted polymeric nanomedicines for radiochemotherapy. <i>British Journal of Cancer</i> , 2008, 99, 900-910.	6.4	118

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55	Nanomedicine and macroscale materials in immuno-oncology. <i>Chemical Society Reviews</i> , 2019, 48, 351-381.	38.1	118
56	SiRNA delivery with functionalized carbon nanotubes. <i>International Journal of Pharmaceutics</i> , 2011, 416, 419-425.	5.2	117
57	Fluorescent cell-traceable dexamethasone-loaded liposomes for the treatment of inflammatory liver diseases. <i>Biomaterials</i> , 2015, 37, 367-382.	11.4	115
58	Double-Edged Role of the CXCL12/CXCR4 Axis in Experimental Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2011, 58, 2415-2423.	2.8	114
59	Quantitative Micro-Computed Tomography Imaging of Vascular Dysfunction in Progressive Kidney Diseases. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 520-532.	6.1	112
60	Intrinsically active nanobody-modified polymeric micelles for tumor-targeted combination therapy. <i>Biomaterials</i> , 2013, 34, 1255-1260.	11.4	111
61	Improving the efficacy of combined modality anticancer therapy using HPMA copolymer-based nanomedicine formulations. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 203-230.	13.7	110
62	Fibrosis imaging: Current concepts and future directions. <i>Advanced Drug Delivery Reviews</i> , 2017, 121, 9-26.	13.7	110
63	Effect of radiotherapy and hyperthermia on the tumor accumulation of HPMA copolymer-based drug delivery systems. <i>Journal of Controlled Release</i> , 2007, 117, 333-341.	9.9	109
64	Cancer nanomedicines: oversold or underappreciated?. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 1-5.	5.0	107
65	Engineering Nanoparticles to Reprogram the Tumor Immune Microenvironment for Improved Cancer Immunotherapy. <i>Theranostics</i> , 2019, 9, 7981-8000.	10.0	106
66	In vivo nanotoxicity testing using the zebrafish embryo assay. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3918.	5.8	104
67	Effect of Intratumoral Injection on the Biodistribution, the Therapeutic Potential of HPMA Copolymer-Based Drug Delivery Systems. <i>Neoplasia</i> , 2006, 8, 788-795.	5.3	103
68	Glucocorticoid-Loaded Core-Cross-Linked Polymeric Micelles with Tailorable Release Kinetics for Targeted Therapy of Rheumatoid Arthritis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7254-7258.	13.8	102
69	Noninvasive Optical Imaging of Nanomedicine Biodistribution. <i>ACS Nano</i> , 2013, 7, 252-262.	14.6	102
70	Polymeric Nanoparticles with Neglectable Protein Corona. <i>Small</i> , 2020, 16, e1907574.	10.0	95
71	Nanobody " Shell functionalized thermosensitive core-crosslinked polymeric micelles for active drug targeting. <i>Journal of Controlled Release</i> , 2011, 151, 183-192.	9.9	94
72	Imalytics Preclinical: Interactive Analysis of Biomedical Volume Data. <i>Theranostics</i> , 2016, 6, 328-341.	10.0	94

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73	Singlet oxygen-responsive micelles for enhanced photodynamic therapy. <i>Journal of Controlled Release</i> , 2017, 260, 12-21.	9.9	90
74	Drug targeting systems for inflammatory disease: One for all, all for one. <i>Journal of Controlled Release</i> , 2012, 161, 225-234.	9.9	88
75	Iron metabolism: pathophysiology and pharmacology. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 640-656.	8.7	87
76	Imaging Nanomedicine-Based Drug Delivery: a Review of Clinical Studies. <i>Molecular Imaging and Biology</i> , 2018, 20, 683-695.	2.6	86
77	Iron Oxide-Labelled Collagen Scaffolds for Non-Invasive MR Imaging in Tissue Engineering. <i>Advanced Functional Materials</i> , 2014, 24, 754-762.	14.9	85
78	Characterizing EPR-mediated passive drug targeting using contrast-enhanced functional ultrasound imaging. <i>Journal of Controlled Release</i> , 2014, 182, 83-89.	9.9	83
79	CXCR6 Inhibits Hepatocarcinogenesis by Promoting Natural Killer T- and CD4+ T-Cell-Dependent Control of Senescence. <i>Gastroenterology</i> , 2019, 156, 1877-1889.e4.	1.3	83
80	Pharmacological Intervention in Hepatic Stellate Cell Activation and Hepatic Fibrosis. <i>Frontiers in Pharmacology</i> , 2016, 7, 33.	3.5	81
81	Recent advances in ultrasound-based diagnosis and therapy with micro- and nanometer-sized formulations. <i>Methods</i> , 2017, 130, 4-13.	3.8	81
82	Liposomal encapsulation of dexamethasone modulates cytotoxicity, inflammatory cytokine response, and migratory properties of primary human macrophages. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1209-1220.	3.3	80
83	Non-invasive imaging for studying anti-angiogenic therapy effects. <i>Thrombosis and Haemostasis</i> , 2013, 109, 375-390.	3.4	79
84	Histidine-rich glycoprotein promotes macrophage activation and inflammation in chronic liver disease. <i>Hepatology</i> , 2016, 63, 1310-1324.	7.3	77
85	Sonopermeation to improve drug delivery to tumors: from fundamental understanding to clinical translation. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 1249-1261.	5.0	76
86	Liposomal corticosteroids for the treatment of inflammatory disorders and cancer. <i>Journal of Controlled Release</i> , 2014, 190, 624-636.	9.9	75
87	Drug Delivery Research for the Future: Expanding the Nano Horizons and Beyond. <i>Journal of Controlled Release</i> , 2017, 246, 183-184.	9.9	75
88	Clinically established biodegradable long acting injectables: An industry perspective. <i>Advanced Drug Delivery Reviews</i> , 2020, 167, 19-46.	13.7	72
89	The CCR2+ Macrophage Subset Promotes Pathogenic Angiogenesis for Tumor Vascularization in Fibrotic Livers. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 371-390.	4.5	71
90	Metallo drugs in cancer nanomedicine. <i>Chemical Society Reviews</i> , 2022, 51, 2544-2582.	38.1	70

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91	Balancing Passive and Active Targeting to Different Tumor Compartments Using Riboflavin-Functionalized Polymeric Nanocarriers. <i>Nano Letters</i> , 2017, 17, 4665-4674.	9.1	69
92	The success of nanomedicine. <i>Nano Today</i> , 2020, 31, 100853.	11.9	69
93	The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. <i>Nature Communications</i> , 2016, 7, 11869.	12.8	68
94	USPIO-labeled textile materials for non-invasive MR imaging of tissue-engineered vascular grafts. <i>Biomaterials</i> , 2015, 39, 155-163.	11.4	66
95	SMART drug delivery systems: Back to the future vs. clinical reality. <i>International Journal of Pharmaceutics</i> , 2013, 454, 527-529.	5.2	64
96	Enhanced <i>In Vitro</i> and <i>In Vivo</i> Cellular Imaging with Green Tea Coated Water-Soluble Iron Oxide Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6530-6540.	8.0	63
97	Targeting distinct myeloid cell populations <i>in Vivo</i> using polymers, liposomes and microbubbles. <i>Biomaterials</i> , 2017, 114, 106-120.	11.4	63
98	Gene Silencing Activity of siRNA Polyplexes Based on Thiolated <i>N,N,N</i> -Trimethylated Chitosan. <i>Bioconjugate Chemistry</i> , 2010, 21, 2339-2346.	3.6	62
99	FMN-coated fluorescent iron oxide nanoparticles for RCP-mediated targeting and labeling of metabolically active cancer and endothelial cells. <i>Biomaterials</i> , 2011, 32, 5863-5871.	11.4	62
100	HPMA copolymers: 30years of advances†. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 119-121.	13.7	60
101	From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer. <i>Advanced Materials</i> , 2021, 33, e2008094.	21.0	60
102	PBCA-based polymeric microbubbles for molecular imaging and drug delivery. <i>Journal of Controlled Release</i> , 2017, 259, 128-135.	9.9	59
103	Overcoming multidrug resistance using folate receptor-targeted and pH-responsive polymeric nanogels containing covalently entrapped doxorubicin. <i>Nanoscale</i> , 2017, 9, 10404-10419.	5.6	58
104	The theranostic path to personalized nanomedicine. <i>Clinical and Translational Imaging</i> , 2014, 2, 67-76.	2.1	57
105	Elastin imaging enables noninvasive staging and treatment monitoring of kidney fibrosis. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	56
106	MRI-assessed therapeutic effects of locally administered PLGA nanoparticles loaded with anti-inflammatory siRNA in a murine arthritis model. <i>Journal of Controlled Release</i> , 2012, 161, 772-780.	9.9	55
107	Synthesis and Characterization of Biodegradable and Thermosensitive Polymeric Micelles with Covalently Bound Doxorubicin-Glucuronide Prodrug via Click Chemistry. <i>Bioconjugate Chemistry</i> , 2011, 22, 2519-2530.	3.6	54
108	Screening of budesonide nanoformulations for treatment of inflammatory bowel disease in an inflamed 3D cell-culture model. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012, 29, 275-285.	1.5	54

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109	Overcoming cellular multidrug resistance using classical nanomedicine formulations. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 421-428.	4.0	53
110	Potent and Prolonged Innate Immune Activation by Enzyme-Responsive Imidazoquinoline TLR7/8 Agonist Prodrug Vesicles. <i>Journal of the American Chemical Society</i> , 2020, 142, 12133-12139.	13.7	52
111	Water-soluble dopamine-based polymers for photoacoustic imaging. <i>Chemical Communications</i> , 2015, 51, 6084-6087.	4.1	51
112	Glucocorticoid-loaded liposomes induce a pro-resolution phenotype in human primary macrophages to support chronic wound healing. <i>Biomaterials</i> , 2018, 178, 481-495.	11.4	50
113	Optimizing the Geometry of Photoacoustically Active Gold Nanoparticles for Biomedical Imaging. <i>ACS Photonics</i> , 2020, 7, 646-652.	6.6	49
114	Formulation and characterization of microspheres loaded with imatinib for sustained delivery. <i>International Journal of Pharmaceutics</i> , 2015, 482, 123-130.	5.2	48
115	Advanced Ultrasound Technologies for Diagnosis and Therapy. <i>Journal of Nuclear Medicine</i> , 2018, 59, 740-746.	5.0	47
116	Absorption Reconstruction Improves Biodistribution Assessment of Fluorescent Nanoprobes Using Hybrid Fluorescence-mediated Tomography. <i>Theranostics</i> , 2014, 4, 960-971.	10.0	46
117	Targeting CCl <sub>4</sub> -induced liver fibrosis by RNA interference-mediated inhibition of cyclin E1 in mice. <i>Hepatology</i> , 2017, 66, 1242-1257.	7.3	46
118	Polymeric micelles for cancer therapy: 3 Cs™s to enhance efficacy. <i>Current Opinion in Solid State and Materials Science</i> , 2012, 16, 302-309.	11.5	45
119	Polyplexes based on cationic polymers with strong nucleic acid binding properties. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 459-466.	4.0	45
120	Riboflavin-Targeted Drug Delivery. <i>Cancers</i> , 2020, 12, 295.	3.7	43
121	Macrophages and liposomes in inflammatory disease: Friends or foes?. <i>International Journal of Pharmaceutics</i> , 2011, 416, 499-506.	5.2	41
122	Liposomal delivery of dexamethasone attenuates prostate cancer bone metastatic tumor growth In Vivo. <i>Prostate</i> , 2015, 75, 815-824.	2.3	41
123	Polymeric Selectin Ligands Mimicking Complex Carbohydrates: From Selectin Binders to Modifiers of Macrophage Migration. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1416-1421.	13.8	41
124	Imaging-assisted anticancer nanotherapy. <i>Theranostics</i> , 2020, 10, 956-967.	10.0	40
125	Biotin-decorated all-HPMA polymeric micelles for paclitaxel delivery. <i>Journal of Controlled Release</i> , 2020, 328, 970-984.	9.9	40
126	Nanoparticles for Cancer Diagnosis, Radionuclide Therapy and Theranostics. <i>ACS Nano</i> , 2021, 15, 16974-16981.	14.6	40



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127	Application of polymersomes engineered to target p32 protein for detection of small breast tumors in mice. <i>Oncotarget</i> , 2018, 9, 18682-18697.	1.8	39
128	Synthesis and Characterization of HE-24.8: A Polymeric Contrast Agent for Magnetic Resonance Angiography. <i>Bioconjugate Chemistry</i> , 2006, 17, 42-51.	3.6	38
129	Gene silencing activity of siRNA polyplexes based on biodegradable polymers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 450-457.	4.3	38
130	Elastin-based molecular MRI of liver fibrosis. <i>Hepatology</i> , 2013, 58, 1517-1518.	7.3	38
131	Decationized polyplexes as stable and safe carrier systems for improved biodistribution in systemic gene therapy. <i>Journal of Controlled Release</i> , 2014, 195, 162-175.	9.9	38
132	Image-guided drug delivery: preclinical applications and clinical translation. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1203-1207.	5.0	38
133	Tailoring the physicochemical properties of core-crosslinked polymeric micelles for pharmaceutical applications. <i>Journal of Controlled Release</i> , 2016, 244, 314-325.	9.9	37
134	The hepatic lipidome: From basic science to clinical translation. <i>Advanced Drug Delivery Reviews</i> , 2020, 159, 180-197.	13.7	37
135	Virtual Elastic Sphere Processing Enables Reproducible Quantification of Vessel Stenosis at CT and MR Angiography. <i>Radiology</i> , 2011, 260, 709-717.	7.3	36
136	Theranostic Systems and Strategies for Monitoring Nanomedicine-Mediated Drug Targeting. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 609-622.	1.6	36
137	Comparison of Polymeric siRNA Nanocarriers in a Murine LPS-Activated Macrophage Cell Line: Gene Silencing, Toxicity and Off-Target Gene Expression. <i>Pharmaceutical Research</i> , 2012, 29, 669-682.	3.5	36
138	Sunitinib microspheres based on [PDLLA-PEG-PDLLA]-b-PLLA multi-block copolymers for ocular drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 95, 368-377.	4.3	36
139	Immunomodulatory Therapy of Inflammatory Liver Disease Using Selectin-Binding Glycopolymers. <i>ACS Nano</i> , 2017, 11, 9689-9700.	14.6	36
140	Riboflavin carrier protein-targeted fluorescent USPIO for the assessment of vascular metabolism in tumors. <i>Biomaterials</i> , 2012, 33, 8822-8829.	11.4	34
141	MRI evaluation of the antitumor activity of paramagnetic liposomes loaded with prednisolone phosphate. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 436-441.	4.0	34
142	Molecular Ultrasound Imaging of Junctional Adhesion Molecule A Depicts Acute Alterations in Blood Flow and Early Endothelial Dysregulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 40-48.	2.4	34
143	A collagen-binding protein enables molecular imaging of kidney fibrosis in vivo. <i>Kidney International</i> , 2020, 97, 609-614.	5.2	34
144	Combined treatment with recombinant tissue plasminogen activator and dexamethasone phosphate-containing liposomes improves neurological outcome and restricts lesion progression after embolic stroke in rats. <i>Journal of Neurochemistry</i> , 2012, 123, 65-74.	3.9	33

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145	Cancer nanomedicine meets immunotherapy: opportunities and challenges. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 954-958.	6.1	33
146	Liposomes as carriers for colchicine-derived prodrugs: Vascular disrupting nanomedicines with tailorable drug release kinetics. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 429-435.	4.0	32
147	Multimodal [GdO] <sup>+</sup> [ICG] <sup>+</sup> Nanoparticles for Optical, Photoacoustic, and Magnetic Resonance Imaging. <i>Chemistry of Materials</i> , 2017, 29, 3547-3554.	6.7	32
148	FMN-Coated Fluorescent USPIO for Cell Labeling and Non-Invasive MR Imaging in Tissue Engineering. <i>Theranostics</i> , 2014, 4, 1002-1013.	10.0	31
149	Squamous Cell Carcinoma Xenografts: Use of VEGFR2-targeted Microbubbles for Combined Functional and Molecular US to Monitor Antiangiogenic Therapy Effects. <i>Radiology</i> , 2016, 278, 430-440.	7.3	31
150	Radiomic analysis of contrast-enhanced ultrasound data. <i>Scientific Reports</i> , 2018, 8, 11359.	3.3	31
151	Î electron-stabilized polymeric micelles potentiate docetaxel therapy in advanced-stage gastrointestinal cancer. <i>Biomaterials</i> , 2021, 266, 120432.	11.4	31
152	Role of PP2C <sup>±</sup> in cell growth, in radio- and chemosensitivity, and in tumorigenicity. <i>Molecular Cancer</i> , 2007, 6, 65.	19.2	30
153	Influence of cholesterol inclusion on the doxorubicin release characteristics of lysolipid-based thermosensitive liposomes. <i>International Journal of Pharmaceutics</i> , 2018, 548, 778-782.	5.2	30
154	MR and PET-CT monitoring of tissue-engineered vascular grafts in the ovine carotid artery. <i>Biomaterials</i> , 2019, 216, 119228.	11.4	30
155	Optical imaging of the whole-body to cellular biodistribution of clinical-stage PEG-b-PHPMA-based core-crosslinked polymeric micelles. <i>Journal of Controlled Release</i> , 2020, 328, 805-816.	9.9	30
156	Multimodal and multiscale optical imaging of nanomedicine delivery across the blood-brain barrier upon sonopermeation. <i>Theranostics</i> , 2020, 10, 1948-1959.	10.0	30
157	Reprint of "Nanobody <sup>+</sup> Shell functionalized thermosensitive core-crosslinked polymeric micelles for active drug targeting". <i>Journal of Controlled Release</i> , 2011, 153, 93-102.	9.9	29
158	An in vitro assay based on surface plasmon resonance to predict the in vivo circulation kinetics of liposomes. <i>Journal of Controlled Release</i> , 2011, 156, 307-314.	9.9	29
159	Histidine-rich glycoprotein-induced vascular normalization improves EPR-mediated drug targeting to and into tumors. <i>Journal of Controlled Release</i> , 2018, 282, 25-34.	9.9	29
160	Macrophages protect against loss of adipose tissue during cancer cachexia. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 1128-1142.	7.3	29
161	Crystal Clots as Therapeutic Target in Cholesterol Crystal Embolism. <i>Circulation Research</i> , 2020, 126, e37-e52.	4.5	29
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