

# Twan Lammers

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Strategies to Maximize Anthracycline Drug Loading in Albumin Microbubbles. ACS Biomaterials Science and Engineering, 2024, 10, 82-88.	5.2	6
2	Profiling target engagement and cellular uptake of cRGD-decorated clinical-stage core-crosslinked polymeric micelles. Drug Delivery and Translational Research, 2023, 13, 1195-1211.	5.8	5
3	Intravenous pegylated liposomal prednisolone outperforms intramuscular methylprednisolone in treating rheumatoid arthritis flares: A randomized controlled clinical trial. Journal of Controlled Release, 2022, 341, 548-554.	9.9	6
4	Tuning the size of all-HPMA polymeric micelles fabricated by solvent extraction. Journal of Controlled Release, 2022, 343, 338-346.	9.9	9
5	Toxicity of metal-organic framework nanoparticles: from essential analyses to potential applications. Chemical Society Reviews, 2022, 51, 464-484.	38.1	144
6	Monitoring EPR Effect Dynamics during Nanotaxane Treatment with Theranostic Polymeric Micelles. Advanced Science, 2022, 9, e2103745.	11.2	20
7	ITIH5-Derived Polypeptides Covering the VIT Domain Suppress the Growth of Human Cancer Cells In Vitro. Cancers, 2022, 14, 488.	3.7	4
8	Novel short-termed mouse model of intrahepatic cholangiocarcinoma by orthotopic transplantation of Hep-55.1C in mice with human homology. Zeitschrift Fur Gastroenterologie, 2022, 60, .	0.5	0
9	Monitoring the Remodeling of Biohybrid Tissue-Engineered Vascular Grafts by Multimodal Molecular Imaging. Advanced Science, 2022, 9, e2105783.	11.2	10
10	Metallodrugs in cancer nanomedicine. Chemical Society Reviews, 2022, 51, 2544-2582.	38.1	70
11	Theranostic Trigger-Responsive Carbon Monoxide-Generating Microbubbles. Small, 2022, 18, e2200924.	10.0	11
12	PET-CT Imaging of Polymeric Nanoparticle Tumor Accumulation in Patients. Advanced Materials, 2022, 34, e2201043.	21.0	19
13	Electron-stabilized polymeric micelles potentiate docetaxel therapy in advanced-stage gastrointestinal cancer. Biomaterials, 2021, 266, 120432.	11.4	31
14	Lyophilization stabilizes clinical-stage core-crosslinked polymeric micelles to overcome cold chain supply challenges. Biotechnology Journal, 2021, 16, e2000212.	3.5	17
15	Stimuli-Responsive Nanotheranostics. Advanced Healthcare Materials, 2021, 10, e2100243.	7.6	11
16	Cyclic Arginine-Glycine-Aspartate-Decorated Lipid Nanoparticle Targeting toward Inflammatory Lesions Involves Hitchhiking with Phagocytes. Advanced Science, 2021, 8, 2100370.	11.2	9
17	From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer. Advanced Materials, 2021, 33, e2008094.	21.0	60
18	Non-invasive molecular imaging of kidney diseases. Nature Reviews Nephrology, 2021, 17, 688-703.	9.6	26

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19	A paradigm shift in cancer nanomedicine: from traditional tumor targeting to leveraging the immune system. <i>Drug Discovery Today</i> , 2021, 26, 1482-1489.	6.4	12
20	Cancer Immunotherapy: From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer ( <i>Adv. Mater.</i> 30/2021). <i>Advanced Materials</i> , 2021, 33, 2170237.	21.0	4
21	Iron metabolism: pathophysiology and pharmacology. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 640-656.	8.7	87
22	Molecular magnetic resonance imaging of Alpha-v-Beta-3 integrin expression in tumors with ultrasound microbubbles. <i>Biomaterials</i> , 2021, 275, 120896.	11.4	17
23	Therapeutic and diagnostic targeting of fibrosis in metabolic, proliferative and viral disorders. <i>Advanced Drug Delivery Reviews</i> , 2021, 175, 113831.	13.7	17
24	Roadmap on nanomedicine. <i>Nanotechnology</i> , 2021, 32, 012001.	2.6	17
25	Effects of contrast-enhanced ultrasound treatment on neoadjuvant chemotherapy in breast cancer. <i>Theranostics</i> , 2021, 11, 9557-9570.	10.0	17
26	Nanoparticles for Cancer Diagnosis, Radionuclide Therapy and Theranostics. <i>ACS Nano</i> , 2021, 15, 16974-16981.	14.6	40
27	Liver Fibrosis – From Mechanisms of Injury to Modulation of Disease. <i>Frontiers in Medicine</i> , 2021, 8, 814496.	2.6	9
28	New Aspects of Kidney Fibrosis – From Mechanisms of Injury to Modulation of Disease. <i>Frontiers in Medicine</i> , 2021, 8, 814497.	2.6	21
29	Progression of Myeloproliferative Neoplasms (MPN): Diagnostic and Therapeutic Perspectives. <i>Cells</i> , 2021, 10, 3551.	4.1	24
30	A collagen-binding protein enables molecular imaging of kidney fibrosis in vivo. <i>Kidney International</i> , 2020, 97, 609-614.	5.2	34
31	Integrating Artificial Intelligence and Nanotechnology for Precision Cancer Medicine. <i>Advanced Materials</i> , 2020, 32, e1901989.	21.0	187
32	Imaging-assisted anticancer nanotherapy. <i>Theranostics</i> , 2020, 10, 956-967.	10.0	40
33	High-resolution 3D visualization of nanomedicine distribution in tumors. <i>Theranostics</i> , 2020, 10, 880-897.	10.0	13
34	Biotin-decorated all-HPMA polymeric micelles for paclitaxel delivery. <i>Journal of Controlled Release</i> , 2020, 328, 970-984.	9.9	40
35	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
36	Influence of Riboflavin Targeting on Tumor Accumulation and Internalization of Peptostar Based Drug Delivery Systems. <i>Bioconjugate Chemistry</i> , 2020, 31, 2691-2696.	3.6	8

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37	Just dose it. <i>Nature Materials</i> , 2020, 19, 1257-1258.	27.5	8
38	Clinically established biodegradable long acting injectables: An industry perspective. <i>Advanced Drug Delivery Reviews</i> , 2020, 167, 19-46.	13.7	72
39	Differential regulation of Lipocalin 2 (LCN2) in doxorubicin-resistant 4T1 triple negative breast cancer cells. <i>Cellular Signalling</i> , 2020, 74, 109731.	3.6	9
40	Dexamethasone nanomedicines for COVID-19. <i>Nature Nanotechnology</i> , 2020, 15, 622-624.	31.5	138
41	Lipids in disease pathology, diagnosis & therapy. <i>Advanced Drug Delivery Reviews</i> , 2020, 159, 1-3.	13.7	2
42	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
43	Cancer nanomedicine meets immunotherapy: opportunities and challenges. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 954-958.	6.1	33
44	A Doxorubicin-Glucuronide Prodrug Released from Nanogels Activated by High-Intensity Focused Ultrasound Liberated $\beta$ -Glucuronidase. <i>Pharmaceutics</i> , 2020, 12, 536.	4.5	6
45	Challenges in nanomedicine clinical translation. <i>Drug Delivery and Translational Research</i> , 2020, 10, 721-725.	5.8	140
46	The success of nanomedicine. <i>Nano Today</i> , 2020, 31, 100853.	11.9	69
47	The hepatic lipidome: From basic science to clinical translation. <i>Advanced Drug Delivery Reviews</i> , 2020, 159, 180-197.	13.7	37
48	Targeting Activated Hepatic Stellate Cells Using Collagen-Binding Chitosan Nanoparticles for siRNA Delivery to Fibrotic Livers. <i>Pharmaceutics</i> , 2020, 12, 590.	4.5	21
49	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
50	Drug Loading in Poly(butyl cyanoacrylate)-Based Polymeric Microbubbles. <i>Molecular Pharmaceutics</i> , 2020, 17, 2840-2848.	4.6	18
51	Crystal Clots as Therapeutic Target in Cholesterol Crystal Embolism. <i>Circulation Research</i> , 2020, 126, e37-e52.	4.5	29
52	Optimizing the Geometry of Photoacoustically Active Gold Nanoparticles for Biomedical Imaging. <i>ACS Photonics</i> , 2020, 7, 646-652.	6.6	49
53	Size-isolation of superparamagnetic iron oxide nanoparticles improves MRI, MPI and hyperthermia performance. <i>Journal of Nanobiotechnology</i> , 2020, 18, 22.	9.1	120
54	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

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55	Tuning Optical Properties of BODIPY Dyes by Pyrrole Conjugation for Photoacoustic Imaging. <i>Advanced Optical Materials</i> , 2020, 8, 1902115.	7.3	20
56	Polymeric Nanoparticles with Neglectable Protein Corona. <i>Small</i> , 2020, 16, e1907574.	10.0	95
57	Cancer Treatment: Integrating Artificial Intelligence and Nanotechnology for Precision Cancer Medicine ( <i>Adv. Mater.</i> 13/2020). <i>Advanced Materials</i> , 2020, 32, 2070100.	21.0	2
58	Systematic evaluation of design features enables efficient selection of $\hat{I}$ electron-stabilized polymeric micelles. <i>International Journal of Pharmaceutics</i> , 2020, 584, 119409.	5.2	11
59	Riboflavin-Targeted Drug Delivery. <i>Cancers</i> , 2020, 12, 295.	3.7	43
60	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
61	Effect of neurokinin-1-receptor blockage on fracture healing in rats. <i>Scientific Reports</i> , 2019, 9, 9744.	3.3	14
62	Setting standards to promote progress in bio-nano science. <i>Nature Nanotechnology</i> , 2019, 14, 626-626.	31.5	21
63	Iron oxide nanoparticles: Diagnostic, therapeutic and theranostic applications. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 302-325.	13.7	731
64	Smart cancer nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 1007-1017.	31.5	776
65	Shelf-Life Evaluation and Lyophilization of PBCA-Based Polymeric Microbubbles. <i>Pharmaceutics</i> , 2019, 11, 433.	4.5	17
66	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
67	3D-Bioprinted Mini-Brain: A Glioblastoma Model to Study Cellular Interactions and Therapeutics. <i>Advanced Materials</i> , 2019, 31, e1806590.	21.0	168
68	MR and PET-CT monitoring of tissue-engineered vascular grafts in the ovine carotid artery. <i>Biomaterials</i> , 2019, 216, 119228.	11.4	30
69	Combining Nanomedicine and Immunotherapy. <i>Accounts of Chemical Research</i> , 2019, 52, 1543-1554.	15.6	310
70	Bone resorption and body reorganization during maturation induce maternal transfer of toxic metals in anguillid eels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11339-11344.	7.1	14
71	Hyperthermia-triggered release of hypoxic cell radiosensitizers from temperature-sensitive liposomes improves radiotherapy efficacy <i>in vitro</i> . <i>Nanotechnology</i> , 2019, 30, 264001.	2.6	14
72	Liver fibrosis affects the targeting properties of drug delivery systems to macrophage subsets <i>in vivo</i> . <i>Biomaterials</i> , 2019, 206, 49-60.	11.4	22

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73	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
74	Elastin imaging enables noninvasive staging and treatment monitoring of kidney fibrosis. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	56
75	The Inhibitory T Cell Receptors PD1 and 2B4 Are Differentially Regulated on CD4 and CD8 T Cells in a Mouse Model of Non-alcoholic Steatohepatitis. <i>Frontiers in Pharmacology</i> , 2019, 10, 244.	3.5	6
76	Engineering Nanoparticles to Reprogram the Tumor Immune Microenvironment for Improved Cancer Immunotherapy. <i>Theranostics</i> , 2019, 9, 7981-8000.	10.0	106
77	Nanomedicine and macroscale materials in immuno-oncology. <i>Chemical Society Reviews</i> , 2019, 48, 351-381.	38.1	118
78	Macro-nanomedicine: Targeting the big picture. <i>Journal of Controlled Release</i> , 2019, 294, 372-375.	9.9	28
79	Advanced Ultrasound Technologies for Diagnosis and Therapy. <i>Journal of Nuclear Medicine</i> , 2018, 59, 740-746.	5.0	47
80	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
81	Targeting and Modulation of Liver Myeloid Immune Cells by Hard-Shell Microbubbles. <i>Advanced Biology</i> , 2018, 2, 1800002.	3.0	6
82	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
83	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
84	In Vitro Evaluation of Anti-Aggregation and Degradation Behavior of PEGylated Polymeric Nanogels under In Vivo Like Conditions. <i>Macromolecular Bioscience</i> , 2018, 18, 1700127.	4.1	3
85	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
86	c-Met Signaling Protects from Nonalcoholic Steatohepatitis- (NASH-) Induced Fibrosis in Different Liver Cell Types. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14.	4.0	9
87	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
88	PLGA-Based Nanoparticles in Cancer Treatment. <i>Frontiers in Pharmacology</i> , 2018, 9, 1260.	3.5	372
89	A computational and experimental study to develop E-selectin targeted peptides for molecular imaging applications. <i>Future Medicinal Chemistry</i> , 2018, 10, 2695-2711.	2.3	4
90	Semi-Automated Segmentation of the Tumor Vasculature in Contrast-Enhanced Ultrasound Data. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1910-1917.	1.5	4

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91	Radiomic analysis of contrast-enhanced ultrasound data. <i>Scientific Reports</i> , 2018, 8, 11359.	3.3	31
92	Tumor targeting via EPR: Strategies to enhance patient responses. <i>Advanced Drug Delivery Reviews</i> , 2018, 130, 17-38.	13.7	897
93	Motion model ultrasound localization microscopy for preclinical and clinical multiparametric tumor characterization. <i>Nature Communications</i> , 2018, 9, 1527.	12.8	161
94	Imaging Nanomedicine-Based Drug Delivery: a Review of Clinical Studies. <i>Molecular Imaging and Biology</i> , 2018, 20, 683-695.	2.6	86
95	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
96	The multikinase inhibitor regorafenib decreases angiogenesis and improves portal hypertension. <i>Oncotarget</i> , 2018, 9, 36220-36237.	1.8	20
97	Challenges and strategies in anti-cancer nanomedicine development: An industry perspective. <i>Advanced Drug Delivery Reviews</i> , 2017, 108, 25-38.	13.7	881
98	Targeting iron metabolism in drug discovery and delivery. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 400-423.	46.4	258
99	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
100	Clinical application of polymeric micelles for the treatment of cancer. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1485-1501.	5.9	133
101	Singlet oxygen-responsive micelles for enhanced photodynamic therapy. <i>Journal of Controlled Release</i> , 2017, 260, 12-21.	9.9	90
102	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
103	Recent advances in ultrasound-based diagnosis and therapy with micro- and nanometer-sized formulations. <i>Methods</i> , 2017, 130, 4-13.	3.8	81
104	Enhancing Tumor Penetration of Nanomedicines. <i>Biomacromolecules</i> , 2017, 18, 1449-1459.	5.4	157
105	Physicochemical Characterization of the Shell Composition of PBCA-Based Polymeric Microbubbles. <i>Macromolecular Bioscience</i> , 2017, 17, 1700002.	4.1	16
106	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
107	PBCA-based polymeric microbubbles for molecular imaging and drug delivery. <i>Journal of Controlled Release</i> , 2017, 259, 128-135.	9.9	59
108	Fluorinated Polyurethane Scaffolds for <sup>19</sup> F Magnetic Resonance Imaging. <i>Chemistry of Materials</i> , 2017, 29, 2669-2671.	6.7	15

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109	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
110	Immunomodulatory Therapy of Inflammatory Liver Disease Using Selectin-Binding Glycopolymers. <i>ACS Nano</i> , 2017, 11, 9689-9700.	14.6	36
111	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
112	Polymere Selectinliganden als komplexe Glykomimetika: von Selectinbindung bis zur Modifizierung der Makrophagenmigration. <i>Angewandte Chemie</i> , 2017, 129, 1438-1443.	2.0	2
113	Fibrosis imaging: Current concepts and future directions. <i>Advanced Drug Delivery Reviews</i> , 2017, 121, 9-26.	13.7	110
114	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
115	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
116	Status and trends in the development of clinical diagnostic agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1441.	6.1	9
117	Targeting distinct myeloid cell populations in vivo using polymers, liposomes and microbubbles. <i>Biomaterials</i> , 2017, 114, 106-120.	11.4	63
118	Tumor-targeted nanomedicines for cancer theranostics. <i>Pharmacological Research</i> , 2017, 115, 87-95.	7.1	176
119	Cancer nanomedicines: oversold or underappreciated?. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 1-5.	5.0	107
120	Physicochemical 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
121	Photoacoustic imaging of tumor targeting with riboflavin-functionalized theranostic nanocarriers. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3813-3825.	6.7	18
122	Automated Generation of Reliable Blood Velocity Parameter Maps from Contrast-Enhanced Ultrasound Data. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-8.	0.8	5
123	Noninvasive Assessment of Elimination and Retention using CT-FMT and Kinetic Whole-body Modeling. <i>Theranostics</i> , 2017, 7, 1499-1510.	10.0	20
124	Imalytics Preclinical: Interactive Analysis of Biomedical Volume Data. <i>Theranostics</i> , 2016, 6, 328-341.	10.0	94
125	Pharmacological Intervention in Hepatic Stellate Cell Activation and Hepatic Fibrosis. <i>Frontiers in Pharmacology</i> , 2016, 7, 33.	3.5	81
126	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



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127	Polymeric Nanogels with Tailorable Degradation Behavior. <i>Macromolecular Bioscience</i> , 2016, 16, 1122-1137.	4.1	9
128	In situ validation of VEGFR-2 and $\alpha v \beta 3$ integrin as targets for breast lesion characterization. <i>Angiogenesis</i> , 2016, 19, 245-254.	7.2	8
129	Targeting cellular and microenvironmental multidrug resistance. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 1199-1202.	5.0	9
130	Refinement of adsorptive coatings for fluorescent riboflavin- $\alpha$ receptor-targeted iron oxide nanoparticles. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 47-54.	0.8	9
131	Amphiphilic Phospholipid-Based Riboflavin Derivatives for Tumor Targeting Nanomedicines. <i>Bioconjugate Chemistry</i> , 2016, 27, 2048-2061.	3.6	28
132	Ultrasound-mediated drug delivery to the brain: principles, progress and prospects. <i>Drug Discovery Today: Technologies</i> , 2016, 20, 41-48.	4.0	120
133	The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. <i>Nature Communications</i> , 2016, 7, 11869.	12.8	68
134	Cancer nanomedicine: is targeting our target?. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	154
135	Histidine-rich glycoprotein promotes macrophage activation and inflammation in chronic liver disease. <i>Hepatology</i> , 2016, 63, 1310-1324.	7.3	77
136	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
137	Micro-computed tomography ( $\mu$ CT) as a novel method in ecotoxicology – determination of morphometric and somatic data in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Science of the Total Environment</i> , 2016, 543, 135-139.	8.0	7
138	Sonoporation enhances liposome accumulation and penetration in tumors with low EPR. <i>Journal of Controlled Release</i> , 2016, 231, 77-85.	9.9	119
139	Locoregional cancer therapy using polymer-based drug depots. <i>Drug Discovery Today</i> , 2016, 21, 640-647.	6.4	25
140	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
141	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
142	Flexible and Modular MPI Simulation Framework and Its Use in Modeling a $\mu$ MPI. <i>IEEE Transactions on Magnetism</i> , 2015, 51, 1-4.	2.1	2
143	A Field Cancellation Signal Extraction Method for Magnetic Particle Imaging. <i>IEEE Transactions on Magnetism</i> , 2015, 51, 1-4.	2.1	17
144	USPIO-labeled textile materials for non-invasive MR imaging of tissue-engineered vascular grafts. <i>Biomaterials</i> , 2015, 39, 155-163.	11.4	66

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145	Applications of nanoparticles for diagnosis and therapy of cancer. <i>British Journal of Radiology</i> , 2015, 88, 20150207.	2.2	372
146	Liposomal delivery of dexamethasone attenuates prostate cancer bone metastatic tumor growth <i>In Vivo</i> . <i>Prostate</i> , 2015, 75, 815-824.	2.3	41
147	Theranostic USPIO-Loaded Microbubbles for Mediating and Monitoring Blood-Brain Barrier Permeation. <i>Advanced Functional Materials</i> , 2015, 25, 36-43.	14.9	123
148	Water-soluble dopamine-based polymers for photoacoustic imaging. <i>Chemical Communications</i> , 2015, 51, 6084-6087.	4.1	51
149	Hybrid Materials: Theranostic USPIO-Loaded Microbubbles for Mediating and Monitoring Blood-Brain Barrier Permeation ( <i>Adv. Funct. Mater.</i> 1/2015). <i>Advanced Functional Materials</i> , 2015, 25, 2-2.	14.9	6
150	Core-crosslinked polymeric micelles: Principles, preparation, biomedical applications and clinical translation. <i>Nano Today</i> , 2015, 10, 93-117.	11.9	415
151	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
152	Formulation and characterization of microspheres loaded with imatinib for sustained delivery. <i>International Journal of Pharmaceutics</i> , 2015, 482, 123-130.	5.2	48
153	Role of Platelet-Derived Growth Factor-CC in Capillary Rarefaction in Renal Fibrosis. <i>American Journal of Pathology</i> , 2015, 185, 2132-2142.	3.8	19
154	Noninvasive Imaging of Nanomedicines and Nanotheranostics: Principles, Progress, and Prospects. <i>Chemical Reviews</i> , 2015, 115, 10907-10937.	47.7	401
155	Image-guided drug delivery: preclinical applications and clinical translation. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1203-1207.	5.0	38
156	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
157	Fluorophore labeling of core-crosslinked polymeric micelles for multimodal <i>in vivo</i> and <i>ex vivo</i> optical imaging. <i>Nanomedicine</i> , 2015, 10, 1111-1125.	3.3	17
158	Complete Regression of Xenograft Tumors upon Targeted Delivery of Paclitaxel <i>via</i> $\beta$ -Stacking Stabilized Polymeric Micelles. <i>ACS Nano</i> , 2015, 9, 3740-3752.	14.6	185
159	Long circulating and stable polymeric micelles for targeted delivery of paclitaxel. <i>Journal of Controlled Release</i> , 2015, 213, e127-e128.	9.9	1
160	Noninvasive Molecular Ultrasound Monitoring of Vessel Healing After Intravascular Surgical Procedures in a Preclinical Setup. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1366-1373.	2.4	25
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