

# Fabian Kiessling

## List of Publications by Year in descending order

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367  
papers

27,073  
citations

5876

81  
h-index

7718

150  
g-index

387  
all docs

387  
docs citations

387  
times ranked

33753  
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.	4.8	1,131
2	Tumor targeting via EPR: Strategies to enhance patient responses. <i>Advanced Drug Delivery Reviews</i> , 2018, 130, 17-38.	6.6	897
3	Challenges and strategies in anti-cancer nanomedicine development: An industry perspective. <i>Advanced Drug Delivery Reviews</i> , 2017, 108, 25-38.	6.6	881
4	Smart cancer nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 1007-1017.	15.6	776
5	Theranostic Nanomedicine. <i>Accounts of Chemical Research</i> , 2011, 44, 1029-1038.	7.6	765
6	Iron oxide nanoparticles: Diagnostic, therapeutic and theranostic applications. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 302-325.	6.6	731
7	MicroRNA-126-5p promotes endothelial proliferation and limits atherosclerosis by suppressing Dlk1. <i>Nature Medicine</i> , 2014, 20, 368-376.	15.2	527
8	Vascular normalization in Rgs5-deficient tumours promotes immune destruction. <i>Nature</i> , 2008, 453, 410-414.	13.7	494
9	The EPR effect and beyond: Strategies to improve tumor targeting and cancer nanomedicine treatment efficacy. <i>Theranostics</i> , 2020, 10, 7921-7924.	4.6	459
10	MicroRNA-155 promotes atherosclerosis by repressing Bcl6 in macrophages. <i>Journal of Clinical Investigation</i> , 2012, 122, 4190-4202.	3.9	436
11	Core-crosslinked polymeric micelles: Principles, preparation, biomedical applications and clinical translation. <i>Nano Today</i> , 2015, 10, 93-117.	6.2	415
12	MRI-Based Attenuation Correction for Hybrid PET/MRI Systems: A 4-Class Tissue Segmentation Technique Using a Combined Ultrashort-Echo-Time/Dixon MRI Sequence. <i>Journal of Nuclear Medicine</i> , 2012, 53, 796-804.	2.8	406
13	Noninvasive Imaging of Nanomedicines and Nanotheranostics: Principles, Progress, and Prospects. <i>Chemical Reviews</i> , 2015, 115, 10907-10937.	23.0	401
14	Applications of nanoparticles for diagnosis and therapy of cancer. <i>British Journal of Radiology</i> , 2015, 88, 20150207.	1.0	372
15	PLGA-Based Nanoparticles in Cancer Treatment. <i>Frontiers in Pharmacology</i> , 2018, 9, 1260.	1.6	372
16	Inhibition of platelet-derived growth factor signaling attenuates pulmonary fibrosis. <i>Journal of Experimental Medicine</i> , 2005, 201, 925-935.	4.2	345
17	Nanotheranostics and Image-Guided Drug Delivery: Current Concepts and Future Directions. <i>Molecular Pharmaceutics</i> , 2010, 7, 1899-1912.	2.3	344
18	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.	0.4	332

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19	Recent progress in nanomedicine: therapeutic, diagnostic and theranostic applications. <i>Current Opinion in Biotechnology</i> , 2013, 24, 1159-1166.	3.3	279
20	Passive versus Active Tumor Targeting Using RGD- and NGR-Modified Polymeric Nanomedicines. <i>Nano Letters</i> , 2014, 14, 972-981.	4.5	272
21	Ultrasound Microbubbles for Molecular Diagnosis, Therapy, and Theranostics. <i>Journal of Nuclear Medicine</i> , 2012, 53, 345-348.	2.8	263
22	Super-resolution Ultrasound Imaging. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 865-891.	0.7	253
23	Water-Soluble Superparamagnetic Magnetite Nanoparticles with Biocompatible Coating for Enhanced Magnetic Resonance Imaging. <i>ACS Nano</i> , 2011, 5, 6315-6324.	7.3	250
24	CCL2-dependent infiltrating macrophages promote angiogenesis in progressive liver fibrosis. <i>Gut</i> , 2014, 63, 1960-1971.	6.1	247
25	Microcirculation and microvasculature in breast tumors: Pharmacokinetic analysis of dynamic MR image series. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 420-429.	1.9	235
26	Regorafenib Inhibits Growth, Angiogenesis, and Metastasis in a Highly Aggressive, Orthotopic Colon Cancer Model. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1322-1331.	1.9	222
27	Multidrug resistance: Physiological principles and nanomedical solutions. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1852-1865.	6.6	220
28	Dominant-negative inhibition of the Axl receptor tyrosine kinase suppresses brain tumor cell growth and invasion and prolongs survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5799-5804.	3.3	215
29	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.	2.6	207
30	Evolution of contrast agents for ultrasound imaging and ultrasound-mediated drug delivery. <i>Frontiers in Pharmacology</i> , 2015, 6, 197.	1.6	206
31	Volumetric computed tomography (VCT): a new technology for noninvasive, high-resolution monitoring of tumor angiogenesis. <i>Nature Medicine</i> , 2004, 10, 1133-1138.	15.2	195
32	Nanoparticles for Imaging: Top or Flop?. <i>Radiology</i> , 2014, 273, 10-28.	3.6	195
33	Pharmacological and physical vessel modulation strategies to improve EPR-mediated drug targeting to tumors. <i>Advanced Drug Delivery Reviews</i> , 2017, 119, 44-60.	6.6	194
34	Recent advances in molecular, multimodal and theranostic ultrasound imaging. <i>Advanced Drug Delivery Reviews</i> , 2014, 72, 15-27.	6.6	184
35	Personalized Nanomedicine. <i>Clinical Cancer Research</i> , 2012, 18, 4889-4894.	3.2	166
36	Molecular profiling of angiogenesis with targeted ultrasound imaging: early assessment of antiangiogenic therapy effects. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 101-109.	1.9	164

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37	Motion model ultrasound localization microscopy for preclinical and clinical multiparametric tumor characterization. <i>Nature Communications</i> , 2018, 9, 1527.	5.8	161
38	Enhancing Tumor Penetration of Nanomedicines. <i>Biomacromolecules</i> , 2017, 18, 1449-1459.	2.6	157
39	Iron oxide nanoparticle-containing microbubble composites as contrast agents for MR and ultrasound dual-modality imaging. <i>Biomaterials</i> , 2011, 32, 6155-6163.	5.7	147
40	Flt-1 Signaling in Macrophages Promotes Glioma Growth <i>In vivo</i> . <i>Cancer Research</i> , 2008, 68, 7342-7351.	0.4	144
41	Engineering biofunctional in vitro vessel models using a multilayer bioprinting technique. <i>Scientific Reports</i> , 2018, 8, 10430.	1.6	143
42	Silica- and Alkoxysilane-Coated Ultrasmall Superparamagnetic Iron Oxide Particles: A Promising Tool To Label Cells for Magnetic Resonance Imaging. <i>Langmuir</i> , 2007, 23, 1427-1434.	1.6	141
43	Challenges in nanomedicine clinical translation. <i>Drug Delivery and Translational Research</i> , 2020, 10, 721-725.	3.0	140
44	Dexamethasone nanomedicines for COVID-19. <i>Nature Nanotechnology</i> , 2020, 15, 622-624.	15.6	138
45	Image-guided, targeted and triggered drug delivery to tumors using polymer-based microbubbles. <i>Journal of Controlled Release</i> , 2012, 163, 75-81.	4.8	133
46	Nanomedicines for Inflammatory Arthritis: Head-to-Head Comparison of Glucocorticoid-Containing Polymers, Micelles, and Liposomes. <i>ACS Nano</i> , 2014, 8, 458-466.	7.3	133
47	Micro-CT Imaging of Tumor Angiogenesis. <i>American Journal of Pathology</i> , 2014, 184, 431-441.	1.9	132
48	Endothelial Hypoxia-Inducible Factor-1 $\alpha$ Promotes Atherosclerosis and Monocyte Recruitment by Upregulating MicroRNA-19a. <i>Hypertension</i> , 2015, 66, 1220-1226.	1.3	128
49	Polymeric nanomedicines for image-guided drug delivery and tumor-targeted combination therapy. <i>Nano Today</i> , 2010, 5, 197-212.	6.2	126
50	Sorafenib Induces Pyroptosis in Macrophages and Triggers Natural Killer Cell-Mediated Cytotoxicity Against Hepatocellular Carcinoma. <i>Hepatology</i> , 2019, 70, 1280-1297.	3.6	126
51	Theranostic USPIO-Loaded Microbubbles for Mediating and Monitoring Blood-Brain Barrier Permeation. <i>Advanced Functional Materials</i> , 2015, 25, 36-43.	7.8	123
52	Functional and Molecular Ultrasound Imaging: Concepts and Contrast Agents. <i>Current Medicinal Chemistry</i> , 2009, 16, 627-642.	1.2	122
53	Ultrasound-mediated drug delivery to the brain: principles, progress and prospects. <i>Drug Discovery Today: Technologies</i> , 2016, 20, 41-48.	4.0	120
54	Size-isolation of superparamagnetic iron oxide nanoparticles improves MRI, MPI and hyperthermia performance. <i>Journal of Nanobiotechnology</i> , 2020, 18, 22.	4.2	120

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55	Sonoporation enhances liposome accumulation and penetration in tumors with low EPR. <i>Journal of Controlled Release</i> , 2016, 231, 77-85.	4.8	119
56	Image-guided and passively tumour-targeted polymeric nanomedicines for radiochemotherapy. <i>British Journal of Cancer</i> , 2008, 99, 900-910.	2.9	118
57	Nanomedicine and macroscale materials in immuno-oncology. <i>Chemical Society Reviews</i> , 2019, 48, 351-381.	18.7	118
58	Role of the small GTPase Rap1 for integrin activity regulation in endothelial cells and angiogenesis. <i>Blood</i> , 2009, 113, 488-497.	0.6	115
59	Fluorescent cell-traceable dexamethasone-loaded liposomes for the treatment of inflammatory liver diseases. <i>Biomaterials</i> , 2015, 37, 367-382.	5.7	115
60	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.	1.2	114
61	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.	3.0	112
62	Chemokine Cxcl9 attenuates liver fibrosis-associated angiogenesis in mice. <i>Hepatology</i> , 2012, 55, 1610-1619.	3.6	110
63	Fibrosis imaging: Current concepts and future directions. <i>Advanced Drug Delivery Reviews</i> , 2017, 121, 9-26.	6.6	110
64	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.	4.8	109
65	Bio-degradable highly fluorescent conjugated polymer nanoparticles for bio-medical imaging applications. <i>Nature Communications</i> , 2017, 8, 470.	5.8	107
66	Cancer nanomedicines: oversold or underappreciated?. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 1-5.	2.4	107
67	Radiopaque iodinated copolymeric nanoparticles for X-ray imaging applications. <i>Biomaterials</i> , 2009, 30, 5610-5616.	5.7	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.	7.2	102
69	Noninvasive Optical Imaging of Nanomedicine Biodistribution. <i>ACS Nano</i> , 2013, 7, 252-262.	7.3	102
70	Tracer kinetic modelling of tumour angiogenesis based on dynamic contrast-enhanced CT and MRI measurements. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 30-51.	3.3	100
71	Molecular and functional ultrasound imaging in differently aggressive breast cancer xenografts using two novel ultrasound contrast agents (BR55 and BR38). <i>European Radiology</i> , 2011, 21, 1988-1995.	2.3	100
72	Sustained Persistence of Transplanted Proangiogenic Cells Contributes to Neovascularization and Cardiac Function After Ischemia. <i>Circulation Research</i> , 2008, 103, 1327-1334.	2.0	99

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73	A Digital Preclinical PET/MRI Insert and Initial Results. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2258-2270.	5.4	97
74	Polymeric Nanoparticles with Neglectable Protein Corona. <i>Small</i> , 2020, 16, e1907574.	5.2	95
75	Imalytics Preclinical: Interactive Analysis of Biomedical Volume Data. <i>Theranostics</i> , 2016, 6, 328-341.	4.6	94
76	Singlet oxygen-responsive micelles for enhanced photodynamic therapy. <i>Journal of Controlled Release</i> , 2017, 260, 12-21.	4.8	90
77	Perfusion CT in patients with advanced bronchial carcinomas: a novel chance for characterization and treatment monitoring?. <i>European Radiology</i> , 2004, 14, 1226-33.	2.3	88
78	Imaging Nanomedicine-Based Drug Delivery: a Review of Clinical Studies. <i>Molecular Imaging and Biology</i> , 2018, 20, 683-695.	1.3	86
79	Iron Oxide- $\alpha$ -Labeled Collagen Scaffolds for Non-invasive MR Imaging in Tissue Engineering. <i>Advanced Functional Materials</i> , 2014, 24, 754-762.	7.8	85
80	Physical and Biological Characterization of Superparamagnetic Iron Oxide- and Ultrasmall Superparamagnetic Iron Oxide-Labeled Cells. <i>Investigative Radiology</i> , 2005, 40, 504-513.	3.5	84
81	TNF- $\alpha$ and the IFN- $\gamma$ -inducible protein 10 (IP-10/CXCL-10) delivered by parvoviral vectors act in synergy to induce antitumor effects in mouse glioblastoma. <i>Cancer Gene Therapy</i> , 2009, 16, 149-160.	2.2	84
82	A multivessel model describing replenishment kinetics of ultrasound contrast agent for quantification of tissue perfusion. <i>Ultrasound in Medicine and Biology</i> , 2003, 29, 1421-1430.	0.7	83
83	Lumbar Bone Marrow Microcirculation Measurements from Dynamic Contrast-Enhanced Magnetic Resonance Imaging Is a Predictor of Event-Free Survival in Progressive Multiple Myeloma. <i>Clinical Cancer Research</i> , 2007, 13, 475-481.	3.2	83
84	Characterizing EPR-mediated passive drug targeting using contrast-enhanced functional ultrasound imaging. <i>Journal of Controlled Release</i> , 2014, 182, 83-89.	4.8	83
85	Recent advances in ultrasound-based diagnosis and therapy with micro- and nanometer-sized formulations. <i>Methods</i> , 2017, 130, 4-13.	1.9	81
86	Non-invasive imaging for studying anti-angiogenic therapy effects. <i>Thrombosis and Haemostasis</i> , 2013, 109, 375-390.	1.8	79
87	Histidine-rich glycoprotein promotes macrophage activation and inflammation in chronic liver disease. <i>Hepatology</i> , 2016, 63, 1310-1324.	3.6	77
88	Sonopermeation to improve drug delivery to tumors: from fundamental understanding to clinical translation. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 1249-1261.	2.4	76
89	Vessel Fractions in Tumor Xenografts Depicted by Flow- or Contrast-Sensitive Three-Dimensional High-Frequency Doppler Ultrasound Respond Differently to Antiangiogenic Treatment. <i>Cancer Research</i> , 2008, 68, 7042-7049.	0.4	75
90	RGD-labeled USPIO Inhibits Adhesion and Endocytotic Activity of $\alpha$ <sub>v</sub> $\beta$ <sub>3</sub> -Integrin-expressing Glioma Cells and Only Accumulates in the Vascular Tumor Compartment. <i>Radiology</i> , 2009, 253, 462-469.	3.6	75

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91	CXCL12 Promotes the Stabilization of Atherosclerotic Lesions Mediated by Smooth Muscle Progenitor Cells in <i>Apoe</i> -Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 679-686.	1.1	75
92	Simulation-based comparison of two approaches frequently used for dynamic contrast-enhanced MRI. <i>European Radiology</i> , 2010, 20, 432-442.	2.3	73
93	Towards Software-Based Real-Time Singles and Coincidence Processing of Digital PET Detector Raw Data. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 1550-1559.	1.2	73
94	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.	2.3	71
95	Metallo drugs in cancer nanomedicine. <i>Chemical Society Reviews</i> , 2022, 51, 2544-2582.	18.7	70
96	Pharmacokinetic analysis of tissue microcirculation using nested models: Multimodel inference and parameter identifiability. <i>Medical Physics</i> , 2009, 36, 2923-2933.	1.6	69
97	Balancing Passive and Active Targeting to Different Tumor Compartments Using Riboflavin-Functionalized Polymeric Nanocarriers. <i>Nano Letters</i> , 2017, 17, 4665-4674.	4.5	69
98	The success of nanomedicine. <i>Nano Today</i> , 2020, 31, 100853.	6.2	69
99	The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. <i>Nature Communications</i> , 2016, 7, 11869.	5.8	68
100	USPIO-labeled textile materials for non-invasive MR imaging of tissue-engineered vascular grafts. <i>Biomaterials</i> , 2015, 39, 155-163.	5.7	66
101	Characterization of a rat model with site-specific bone metastasis induced by MDA-MB-231 breast cancer cells and its application to the effects of an antibody against bone sialoprotein. <i>International Journal of Cancer</i> , 2005, 115, 177-186.	2.3	65
102	Contrast Agents and Applications to Assess Tumor Angiogenesis In Vivo by Magnetic Resonance Imaging. <i>Current Medicinal Chemistry</i> , 2007, 14, 77-91.	1.2	65
103	Non-invasive assessment of vessel morphology and function in tumors by magnetic resonance imaging. <i>European Radiology</i> , 2007, 17, 2136-2148.	2.3	65
104	Computed Tomography Monitoring of Radiation-Induced Lung Fibrosis in Mice. <i>Investigative Radiology</i> , 2004, 39, 600-609.	3.5	64
105	SMART drug delivery systems: Back to the future vs. clinical reality. <i>International Journal of Pharmaceutics</i> , 2013, 454, 527-529.	2.6	64
106	Potential Applications of Flat-Panel Volumetric CT in Morphologic, Functional Small Animal Imaging. <i>Neoplasia</i> , 2005, 7, 730-740.	2.3	63
107	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.	4.0	63
108	Targeting distinct myeloid cell populations in vivo using polymers, liposomes and microbubbles. <i>Biomaterials</i> , 2017, 114, 106-120.	5.7	63

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109	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.	5.7	62
110	Quantification of perfusion of liver tissue and metastases using a multivessel model for replenishment kinetics of ultrasound contrast agents. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 1355-1363.	0.7	61
111	Activation of CXCR7 Limits Atherosclerosis and Improves Hyperlipidemia by Increasing Cholesterol Uptake in Adipose Tissue. <i>Circulation</i> , 2014, 129, 1244-1253.	1.6	61
112	Simple models improve the discrimination of prostate cancers from the peripheral gland by T1-weighted dynamic MRI. <i>European Radiology</i> , 2004, 14, 1793-801.	2.3	60
113	Small Animal Computed Tomography Imaging. <i>Current Medical Imaging</i> , 2007, 3, 45-59.	0.4	60
114	Assessment of vascular remodeling under antiangiogenic therapy using DCE-MRI and vessel size imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 1125-1133.	1.9	60
115	From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer. <i>Advanced Materials</i> , 2021, 33, e2008094.	11.1	60
116	GPU-Accelerated Sparse Matrix-Matrix Multiplication by Iterative Row Merging. <i>SIAM Journal of Scientific Computing</i> , 2015, 37, C54-C71.	1.3	59
117	PBCA-based polymeric microbubbles for molecular imaging and drug delivery. <i>Journal of Controlled Release</i> , 2017, 259, 128-135.	4.8	59
118	Dual CTLA-4 and PD-L1 Blockade Inhibits Tumor Growth and Liver Metastasis in a Highly Aggressive Orthotopic Mouse Model of Colon Cancer. <i>Neoplasia</i> , 2019, 21, 932-944.	2.3	59
119	Cell-cell contacts in the human cell line ECV304 exhibit both endothelial and epithelial characteristics. <i>Cell and Tissue Research</i> , 1999, 297, 131-140.	1.5	58
120	Bone regeneration induced by a 3D architected hydrogel in a rat critical-size calvarial defect. <i>Biomaterials</i> , 2017, 113, 158-169.	5.7	58
121	Imaging anti-angiogenic treatment response with DCE-VCT, DCE-MRI and DWI in an animal model of breast cancer bone metastasis. <i>European Journal of Radiology</i> , 2010, 73, 280-287.	1.2	57
122	The high angiogenic activity in very early breast cancer enables reliable imaging with VEGFR2-targeted microbubbles (BR55). <i>European Radiology</i> , 2013, 23, 468-475.	2.3	57
123	The theranostic path to personalized nanomedicine. <i>Clinical and Translational Imaging</i> , 2014, 2, 67-76.	1.1	57
124	Sensitive noninvasive monitoring of tumor perfusion during antiangiogenic therapy by intermittent bolus-contrast power Doppler sonography. <i>Cancer Research</i> , 2003, 63, 8264-70.	0.4	57
125	Elastin imaging enables noninvasive staging and treatment monitoring of kidney fibrosis. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	56
126	Clinical Pilot Application of Super-Resolution US Imaging in Breast Cancer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019, 66, 517-526.	1.7	56



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127	Pharmacodynamics of Streptavidin-Coated Cyanoacrylate Microbubbles Designed for Molecular Ultrasound Imaging. <i>Investigative Radiology</i> , 2008, 43, 162-169.	3.5	54
128	Targeted Ultrasound Imaging of Cancer: An Emerging Technology on its Way to Clinics. <i>Current Pharmaceutical Design</i> , 2012, 18, 2184-2199.	0.9	54
129	Comparison of intermittent-bolus contrast imaging with conventional power Doppler sonography: quantification of tumour perfusion in small animals. <i>Ultrasound in Medicine and Biology</i> , 2003, 29, 1093-1103.	0.7	53
130	Local injection of stem cell factor (SCF) improves myocardial homing of systemically delivered c-kit + bone marrow-derived stem cells. <i>Cardiovascular Research</i> , 2008, 77, 143-150.	1.8	53
131	Overcoming cellular multidrug resistance using classical nanomedicine formulations. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 421-428.	1.9	53
132	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.	6.6	52
133	Retrospective Motion Gating in Small Animal CT of Mice and Rats. <i>Investigative Radiology</i> , 2007, 42, 704-714.	3.5	51
134	Bevacizumab Inhibits Breast Cancer-Induced Osteolysis, Surrounding Soft Tissue Metastasis, and Angiogenesis in Rats as Visualized by VCT and MRI. <i>Neoplasia</i> , 2008, 10, 511-520.	2.3	51
135	Water-soluble dopamine-based polymers for photoacoustic imaging. <i>Chemical Communications</i> , 2015, 51, 6084-6087.	2.2	51
136	Intrinsic respiratory gating in small-animal CT. <i>European Radiology</i> , 2008, 18, 1375-84.	2.3	50
137	Glucocorticoid-loaded liposomes induce a pro-resolution phenotype in human primary macrophages to support chronic wound healing. <i>Biomaterials</i> , 2018, 178, 481-495.	5.7	50
138	Regorafenib enhances anti-PD1 immunotherapy efficacy in murine colorectal cancers and their combination prevents tumor regrowth. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 288.	3.5	50
139	Imaging tumor vascularity by tracing single microbubbles. , 2011, , .		49
140	Molecular Ultrasound Imaging of Early Vascular Response in Prostate Tumors Irradiated with Carbon Ions. <i>Neoplasia</i> , 2009, 11, 856-863.	2.3	48
141	Formulation and characterization of microspheres loaded with imatinib for sustained delivery. <i>International Journal of Pharmaceutics</i> , 2015, 482, 123-130.	2.6	48
142	Longitudinal imaging of the ageing mouse. <i>Mechanisms of Ageing and Development</i> , 2016, 160, 93-116.	2.2	47
143	Advanced Ultrasound Technologies for Diagnosis and Therapy. <i>Journal of Nuclear Medicine</i> , 2018, 59, 740-746.	2.8	47
144	Absorption Reconstruction Improves Biodistribution Assessment of Fluorescent Nanoprobes Using Hybrid Fluorescence-mediated Tomography. <i>Theranostics</i> , 2014, 4, 960-971.	4.6	46

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145	Determination of Pharmacokinetic Parameters in DCE MRI. <i>Investigative Radiology</i> , 2006, 41, 536-543.	3.5	45
146	Advanced Characterization and Refinement of Poly N-Butyl Cyanoacrylate Microbubbles for Ultrasound Imaging. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 1622-1634.	0.7	45
147	Molecular Ultrasound Imaging. <i>Nanomaterials</i> , 2020, 10, 1935.	1.9	45
148	Switching of vascular phenotypes within a murine breast cancer model induced by angiopoietin-2. <i>Journal of Pathology</i> , 2009, 217, 571-580.	2.1	44
149	Application of Molecular Ultrasound for Imaging Integrin Expression. <i>Theranostics</i> , 2011, 1, 127-134.	4.6	44
150	Dynamic Contrast-Enhanced Ultrasound Parametric Maps to Evaluate Intratumoral Vascularization. <i>Investigative Radiology</i> , 2015, 50, 212-217.	3.5	44
151	Quinone-fused porphyrins as contrast agents for photoacoustic imaging. <i>Chemical Science</i> , 2017, 8, 6176-6181.	3.7	44
152	Comparison of conventional time-intensity curves vs. maximum intensity over time for post-processing of dynamic contrast-enhanced ultrasound. <i>European Journal of Radiology</i> , 2010, 75, e149-e153.	1.2	43
153	The reduction of astrocytes and brain volume loss in anorexia nervosa—the impact of starvation and refeeding in a rodent model. <i>Translational Psychiatry</i> , 2019, 9, 159.	2.4	43
154	Riboflavin-Targeted Drug Delivery. <i>Cancers</i> , 2020, 12, 295.	1.7	43
155	Comparing Dynamic Parameters of Tumor Vascularization in Nude Mice Revealed by Magnetic Resonance Imaging and Contrast-Enhanced Intermittent Power Doppler Sonography. <i>Investigative Radiology</i> , 2003, 38, 516-524.	3.5	41
156	Spatio-Temporal Simulation of First Pass Drug Perfusion in the Liver. <i>PLoS Computational Biology</i> , 2014, 10, e1003499.	1.5	41
157	Liposomal delivery of dexamethasone attenuates prostate cancer bone metastatic tumor growth In Vivo. <i>Prostate</i> , 2015, 75, 815-824.	1.2	41
158	Volumetric high-frequency Doppler ultrasound enables the assessment of early antiangiogenic therapy effects on tumor xenografts in nude mice. <i>European Radiology</i> , 2008, 18, 753-758.	2.3	40
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