

Fabian Kiessling

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

349
papers

20,497
citations

73
h-index

132
g-index

387
ext. papers

24,129
ext. citations

9.6
avg, IF

7.15
L-index

#	Paper	IF	Citations
349	Drug targeting to tumors: principles, pitfalls and (pre-) clinical progress. <i>Journal of Controlled Release</i> , 2012 , 161, 175-87	11.7	983
348	Challenges and strategies in anti-cancer nanomedicine development: An industry perspective. <i>Advanced Drug Delivery Reviews</i> , 2017 , 108, 25-38	18.5	687
347	Theranostic nanomedicine. <i>Accounts of Chemical Research</i> , 2011 , 44, 1029-38	24.3	670
346	Tumor targeting via EPR: Strategies to enhance patient responses. <i>Advanced Drug Delivery Reviews</i> , 2018 , 130, 17-38	18.5	618
345	Smart cancer nanomedicine. <i>Nature Nanotechnology</i> , 2019 , 14, 1007-1017	28.7	447
344	Vascular normalization in Rgs5-deficient tumours promotes immune destruction. <i>Nature</i> , 2008 , 453, 410-4	50.4	428
343	MicroRNA-126-5p promotes endothelial proliferation and limits atherosclerosis by suppressing Dlk1. <i>Nature Medicine</i> , 2014 , 20, 368-76	50.5	427
342	Iron oxide nanoparticles: Diagnostic, therapeutic and theranostic applications. <i>Advanced Drug Delivery Reviews</i> , 2019 , 138, 302-325	18.5	412
341	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	8.9	365
340	MicroRNA-155 promotes atherosclerosis by repressing Bcl6 in macrophages. <i>Journal of Clinical Investigation</i> , 2012 , 122, 4190-202	15.9	359
339	Core-Crosslinked Polymeric Micelles: Principles, Preparation, Biomedical Applications and Clinical Translation. <i>Nano Today</i> , 2015 , 10, 93-117	17.9	346
338	Noninvasive Imaging of Nanomedicines and Nanotheranostics: Principles, Progress, and Prospects. <i>Chemical Reviews</i> , 2015 , 115, 10907-37	68.1	315
337	Nanotheranostics and image-guided drug delivery: current concepts and future directions. <i>Molecular Pharmaceutics</i> , 2010 , 7, 1899-912	5.6	305
336	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, 1555-62	10.1	302
335	Inhibition of platelet-derived growth factor signaling attenuates pulmonary fibrosis. <i>Journal of Experimental Medicine</i> , 2005 , 201, 925-35	16.6	300
334	Applications of nanoparticles for diagnosis and therapy of cancer. <i>British Journal of Radiology</i> , 2015 , 88, 20150207	3.4	262
333	Passive versus active tumor targeting using RGD- and NGR-modified polymeric nanomedicines. <i>Nano Letters</i> , 2014 , 14, 972-81	11.5	244

332	Recent progress in nanomedicine: therapeutic, diagnostic and theranostic applications. <i>Current Opinion in Biotechnology</i> , 2013 , 24, 1159-66	11.4	234
331	Water-soluble superparamagnetic magnetite nanoparticles with biocompatible coating for enhanced magnetic resonance imaging. <i>ACS Nano</i> , 2011 , 5, 6315-24	16.7	230
330	Ultrasound microbubbles for molecular diagnosis, therapy, and theranostics. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 345-8	8.9	219
329	Microcirculation and microvasculature in breast tumors: pharmacokinetic analysis of dynamic MR image series. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 420-9	4.4	210
328	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, 5799-804	11.5	200
327	PLGA-Based Nanoparticles in Cancer Treatment. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1260	5.6	200
326	Multidrug resistance: Physiological principles and nanomedical solutions. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 1852-1865	18.5	189
325	CCL2-dependent infiltrating macrophages promote angiogenesis in progressive liver fibrosis. <i>Gut</i> , 2014 , 63, 1960-1971	19.2	183
324	Volumetric computed tomography (VCT): a new technology for noninvasive, high-resolution monitoring of tumor angiogenesis. <i>Nature Medicine</i> , 2004 , 10, 1133-8	50.5	177
323	Regorafenib inhibits growth, angiogenesis, and metastasis in a highly aggressive, orthotopic colon cancer model. <i>Molecular Cancer Therapeutics</i> , 2013 , 12, 1322-31	6.1	159
322	Nanoparticles for imaging: top or flop?. <i>Radiology</i> , 2014 , 273, 10-28	20.5	158
321	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	6.5	156
320	Evolution of contrast agents for ultrasound imaging and ultrasound-mediated drug delivery. <i>Frontiers in Pharmacology</i> , 2015 , 6, 197	5.6	149
319	Molecular profiling of angiogenesis with targeted ultrasound imaging: early assessment of antiangiogenic therapy effects. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 101-9	6.1	148
318	Recent advances in molecular, multimodal and theranostic ultrasound imaging. <i>Advanced Drug Delivery Reviews</i> , 2014 , 72, 15-27	18.5	147
317	Pharmacological and physical vessel modulation strategies to improve EPR-mediated drug targeting to tumors. <i>Advanced Drug Delivery Reviews</i> , 2017 , 119, 44-60	18.5	139
316	Flt-1 signaling in macrophages promotes glioma growth in vivo. <i>Cancer Research</i> , 2008 , 68, 7342-51	10.1	139
315	Personalized nanomedicine. <i>Clinical Cancer Research</i> , 2012 , 18, 4889-94	12.9	138

314	Silica- and alkoxy silane-coated ultrasmall superparamagnetic iron oxide particles: a promising tool to label cells for magnetic resonance imaging. <i>Langmuir</i> , 2007 , 23, 1427-34	4	133
313	Iron oxide nanoparticle-containing microbubble composites as contrast agents for MR and ultrasound dual-modality imaging. <i>Biomaterials</i> , 2011 , 32, 6155-63	15.6	132
312	Enhancing Tumor Penetration of Nanomedicines. <i>Biomacromolecules</i> , 2017 , 18, 1449-1459	6.9	127
311	Nanomedicines for inflammatory arthritis: head-to-head comparison of glucocorticoid-containing polymers, micelles, and liposomes. <i>ACS Nano</i> , 2014 , 8, 458-466	16.7	114
310	Polymeric nanomedicines for image-guided drug delivery and tumor-targeted combination therapy. <i>Nano Today</i> , 2010 , 5, 197-212	17.9	114
309	Image-guided, targeted and triggered drug delivery to tumors using polymer-based microbubbles. <i>Journal of Controlled Release</i> , 2012 , 163, 75-81	11.7	111
308	Micro-CT imaging of tumor angiogenesis: quantitative measures describing micromorphology and vascularization. <i>American Journal of Pathology</i> , 2014 , 184, 431-41	5.8	109
307	Functional and molecular ultrasound imaging: concepts and contrast agents. <i>Current Medicinal Chemistry</i> , 2009 , 16, 627-42	4.3	106
306	Role of the small GTPase Rap1 for integrin activity regulation in endothelial cells and angiogenesis. <i>Blood</i> , 2009 , 113, 488-97	2.2	102
305	Image-guided and passively tumour-targeted polymeric nanomedicines for radiochemotherapy. <i>British Journal of Cancer</i> , 2008 , 99, 900-10	8.7	101
304	Theranostic USPIO-Loaded Microbubbles for Mediating and Monitoring Blood-Brain Barrier Permeation. <i>Advanced Functional Materials</i> , 2015 , 25, 36-43	15.6	97
303	Fluorescent cell-traceable dexamethasone-loaded liposomes for the treatment of inflammatory liver diseases. <i>Biomaterials</i> , 2015 , 37, 367-82	15.6	96
302	Dexamethasone nanomedicines for COVID-19. <i>Nature Nanotechnology</i> , 2020 , 15, 622-624	28.7	94
301	Double-edged role of the CXCL12/CXCR4 axis in experimental myocardial infarction. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 2415-23	15.1	93
300	Effect of radiotherapy and hyperthermia on the tumor accumulation of HPMA copolymer-based drug delivery systems. <i>Journal of Controlled Release</i> , 2007 , 117, 333-41	11.7	93
299	Sonoporation enhances liposome accumulation and penetration in tumors with low EPR. <i>Journal of Controlled Release</i> , 2016 , 231, 77-85	11.7	92
298	Chemokine Cxcl9 attenuates liver fibrosis-associated angiogenesis in mice. <i>Hepatology</i> , 2012 , 55, 1610-9	11.2	91
297	Radiopaque iodinated copolymeric nanoparticles for X-ray imaging applications. <i>Biomaterials</i> , 2009 , 30, 5610-6	15.6	91

296	Sustained persistence of transplanted proangiogenic cells contributes to neovascularization and cardiac function after ischemia. <i>Circulation Research</i> , 2008 , 103, 1327-34	15.7	91
295	Nanomedicine and macroscale materials in immuno-oncology. <i>Chemical Society Reviews</i> , 2019 , 48, 351-388	38.5	91
294	Noninvasive optical imaging of nanomedicine biodistribution. <i>ACS Nano</i> , 2013 , 7, 252-62	16.7	90
293	Engineering biofunctional in vitro vessel models using a multilayer bioprinting technique. <i>Scientific Reports</i> , 2018 , 8, 10430	4.9	89
292	Endothelial Hypoxia-Inducible Factor-1 β Promotes Atherosclerosis and Monocyte Recruitment by Upregulating MicroRNA-19a. <i>Hypertension</i> , 2015 , 66, 1220-6	8.5	88
291	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, 7254-8	16.4	87
290	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 Suppl 1, S30-51	8.8	87
289	Quantitative Micro-Computed Tomography Imaging of Vascular Dysfunction in Progressive Kidney Diseases. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 520-32	12.7	85
288	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, 1988-95	8	85
287	Super-resolution Ultrasound Imaging. <i>Ultrasound in Medicine and Biology</i> , 2020 , 46, 865-891	3.5	83
286	Bio-degradable highly fluorescent conjugated polymer nanoparticles for bio-medical imaging applications. <i>Nature Communications</i> , 2017 , 8, 470	17.4	81
285	Physical and biological characterization of superparamagnetic iron oxide- and ultrasmall superparamagnetic iron oxide-labeled cells: a comparison. <i>Investigative Radiology</i> , 2005 , 40, 504-13	10.1	81
284	Ultrasound-mediated drug delivery to the brain: principles, progress and prospects. <i>Drug Discovery Today: Technologies</i> , 2016 , 20, 41-48	7.1	80
283	A Digital Preclinical PET/MRI Insert and Initial Results. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 2258-70	11.7	79
282	Perfusion CT in patients with advanced bronchial carcinomas: a novel chance for characterization and treatment monitoring?. <i>European Radiology</i> , 2004 , 14, 1226-33	8	79
281	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, 475-81	12.9	76
280	Fibrosis imaging: Current concepts and future directions. <i>Advanced Drug Delivery Reviews</i> , 2017 , 121, 9-26	18.5	74
279	Characterizing EPR-mediated passive drug targeting using contrast-enhanced functional ultrasound imaging. <i>Journal of Controlled Release</i> , 2014 , 182, 83-9	11.7	73

278	A multivessel model describing replenishment kinetics of ultrasound contrast agent for quantification of tissue perfusion. <i>Ultrasound in Medicine and Biology</i> , 2003 , 29, 1421-30	3.5	73
277	Singlet oxygen-responsive micelles for enhanced photodynamic therapy. <i>Journal of Controlled Release</i> , 2017 , 260, 12-21	11.7	72
276	Motion model ultrasound localization microscopy for preclinical and clinical multiparametric tumor characterization. <i>Nature Communications</i> , 2018 , 9, 1527	17.4	71
275	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, 149-60	5.4	71
274	Non-invasive imaging for studying anti-angiogenic therapy effects. <i>Thrombosis and Haemostasis</i> , 2013 , 109, 375-90	7	69
273	RGD-labeled USPIO inhibits adhesion and endocytotic activity of alpha v beta3-integrin-expressing glioma cells and only accumulates in the vascular tumor compartment. <i>Radiology</i> , 2009 , 253, 462-9	20.5	69
272	Imaging Nanomedicine-Based Drug Delivery: a Review of Clinical Studies. <i>Molecular Imaging and Biology</i> , 2018 , 20, 683-695	3.8	67
271	Simulation-based comparison of two approaches frequently used for dynamic contrast-enhanced MRI. <i>European Radiology</i> , 2010 , 20, 432-42	8	66
270	Imalytics Preclinical: Interactive Analysis of Biomedical Volume Data. <i>Theranostics</i> , 2016 , 6, 328-41	12.1	66
269	Iron Oxide-labeled Collagen Scaffolds for Non-invasive MR Imaging in Tissue Engineering. <i>Advanced Functional Materials</i> , 2014 , 24, 754-762	15.6	65
268	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, 7042-9	10.1	65
267	CXCL12 promotes the stabilization of atherosclerotic lesions mediated by smooth muscle progenitor cells in Apoe-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 679-86	8.4	64
266	Recent advances in ultrasound-based diagnosis and therapy with micro- and nanometer-sized formulations. <i>Methods</i> , 2017 , 130, 4-13	4.6	63
265	Challenges in nanomedicine clinical translation. <i>Drug Delivery and Translational Research</i> , 2020 , 10, 721-725	2.5	60
264	Size-isolation of superparamagnetic iron oxide nanoparticles improves MRI, MPI and hyperthermia performance. <i>Journal of Nanobiotechnology</i> , 2020 , 18, 22	9.4	59
263	Pharmacokinetic analysis of tissue microcirculation using nested models: multimodel inference and parameter identifiability. <i>Medical Physics</i> , 2009 , 36, 2923-33	4.4	59
262	Contrast agents and applications to assess tumor angiogenesis in vivo by magnetic resonance imaging. <i>Current Medicinal Chemistry</i> , 2007 , 14, 77-91	4.3	59
261	Non-invasive assessment of vessel morphology and function in tumors by magnetic resonance imaging. <i>European Radiology</i> , 2007 , 17, 2136-48	8	57

260	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, 177-86	7.5	57
259	USPIO-labeled textile materials for non-invasive MR imaging of tissue-engineered vascular grafts. <i>Biomaterials</i> , 2015 , 39, 155-63	15.6	56
258	Assessment of vascular remodeling under antiangiogenic therapy using DCE-MRI and vessel size imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 1125-33	5.6	56
257	Potential applications of flat-panel volumetric CT in morphologic and functional small animal imaging. <i>Neoplasia</i> , 2005 , 7, 730-40	6.4	56
256	Histidine-rich glycoprotein promotes macrophage activation and inflammation in chronic liver disease. <i>Hepatology</i> , 2016 , 63, 1310-24	11.2	55
255	Small Animal Computed Tomography Imaging. <i>Current Medical Imaging</i> , 2007 , 3, 45-59	1.2	54
254	Cell-cell contacts in the human cell line ECV304 exhibit both endothelial and epithelial characteristics. <i>Cell and Tissue Research</i> , 1999 , 297, 131-40	4.2	54
253	Sonopermeation to improve drug delivery to tumors: from fundamental understanding to clinical translation. <i>Expert Opinion on Drug Delivery</i> , 2018 , 15, 1249-1261	8	54
252	FMN-coated fluorescent iron oxide nanoparticles for RCP-mediated targeting and labeling of metabolically active cancer and endothelial cells. <i>Biomaterials</i> , 2011 , 32, 5863-71	15.6	53
251	Sorafenib Induces Pyroptosis in Macrophages and Triggers Natural Killer Cell-Mediated Cytotoxicity Against Hepatocellular Carcinoma. <i>Hepatology</i> , 2019 , 70, 1280-1297	11.2	52
250	Activation of CXCR7 limits atherosclerosis and improves hyperlipidemia by increasing cholesterol uptake in adipose tissue. <i>Circulation</i> , 2014 , 129, 1244-53	16.7	52
249	Computed tomography monitoring of radiation-induced lung fibrosis in mice. <i>Investigative Radiology</i> , 2004 , 39, 600-9	10.1	52
248	Balancing Passive and Active Targeting to Different Tumor Compartments Using Riboflavin-Functionalized Polymeric Nanocarriers. <i>Nano Letters</i> , 2017 , 17, 4665-4674	11.5	51
247	Bone regeneration induced by a 3D architected hydrogel in a rat critical-size calvarial defect. <i>Biomaterials</i> , 2017 , 113, 158-169	15.6	51
246	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	8	51
245	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, 1355-63	3.5	51
244	Overcoming cellular multidrug resistance using classical nanomedicine formulations. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 45, 421-8	5.1	50
243	Smart drug delivery systems: back to the future vs. clinical reality. <i>International Journal of Pharmaceutics</i> , 2013 , 454, 527-9	6.5	50

242	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, 280-7	4.7	50
241	Polymeric Nanoparticles with Neglectable Protein Corona. <i>Small</i> , 2020 , 16, e1907574	11	49
240	The high angiogenic activity in very early breast cancer enables reliable imaging with VEGFR2-targeted microbubbles (BR55). <i>European Radiology</i> , 2013 , 23, 468-75	8	49
239	Enhanced in vitro and in vivo cellular imaging with green tea coated water-soluble iron oxide nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6530-40	9.5	48
238	Targeted ultrasound imaging of cancer: an emerging technology on its way to clinics. <i>Current Pharmaceutical Design</i> , 2012 , 18, 2184-99	3.3	48
237	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, 511-20	6.4	48
236	Pharmacodynamics of streptavidin-coated cyanoacrylate microbubbles designed for molecular ultrasound imaging. <i>Investigative Radiology</i> , 2008 , 43, 162-9	10.1	48
235	Sensitive noninvasive monitoring of tumor perfusion during antiangiogenic therapy by intermittent bolus-contrast power Doppler sonography. <i>Cancer Research</i> , 2003 , 63, 8264-70	10.1	48
234	Targeting distinct myeloid cell populations in vivo using polymers, liposomes and microbubbles. <i>Biomaterials</i> , 2017 , 114, 106-120	15.6	47
233	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, 1093-103	3.5	46
232	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, 143-50	9.9	45
231	GPU-Accelerated Sparse Matrix-Matrix Multiplication by Iterative Row Merging. <i>SIAM Journal of Scientific Computing</i> , 2015 , 37, C54-C71	2.6	44
230	Water-soluble dopamine-based polymers for photoacoustic imaging. <i>Chemical Communications</i> , 2015 , 51, 6084-7	5.8	44
229	The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. <i>Nature Communications</i> , 2016 , 7, 11869	17.4	43
228	Determination of pharmacokinetic parameters in DCE MRI: Consequence of nonlinearity between contrast agent concentration and signal intensity. <i>Investigative Radiology</i> , 2006 , 41, 536-43	10.1	43
227	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	7.9	42
226	The Theranostic Path to Personalized Nanomedicine. <i>Clinical and Translational Imaging</i> , 2014 , 2, 66-76	2	42
225	Application of molecular ultrasound for imaging integrin expression. <i>Theranostics</i> , 2011 , 1, 127-34	12.1	42

224	Molecular ultrasound imaging of early vascular response in prostate tumors irradiated with carbon ions. <i>Neoplasia</i> , 2009 , 11, 856-63	6.4	42
223	Formulation and characterization of microspheres loaded with imatinib for sustained delivery. <i>International Journal of Pharmaceutics</i> , 2015 , 482, 123-30	6.5	41
222	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	1.7	41
221	Retrospective motion gating in small animal CT of mice and rats. <i>Investigative Radiology</i> , 2007 , 42, 704-14	10.1	41
220	The success of nanomedicine. <i>Nano Today</i> , 2020 , 31, 100853-100853	17.9	39
219	Absorption reconstruction improves biodistribution assessment of fluorescent nanoprobe using hybrid fluorescence-mediated tomography. <i>Theranostics</i> , 2014 , 4, 960-71	12.1	39
218	Intrinsic respiratory gating in small-animal CT. <i>European Radiology</i> , 2008 , 18, 1375-84	8	39
217	Glucocorticoid-loaded liposomes induce a pro-resolution phenotype in human primary macrophages to support chronic wound healing. <i>Biomaterials</i> , 2018 , 178, 481-495	15.6	38
216	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, e149-53	4.7	38
215	Switching of vascular phenotypes within a murine breast cancer model induced by angiopoietin-2. <i>Journal of Pathology</i> , 2009 , 217, 571-80	9.4	38
214	PBCA-based polymeric microbubbles for molecular imaging and drug delivery. <i>Journal of Controlled Release</i> , 2017 , 259, 128-135	11.7	36
213	Advanced characterization and refinement of poly N-butyl cyanoacrylate microbubbles for ultrasound imaging. <i>Ultrasound in Medicine and Biology</i> , 2011 , 37, 1622-34	3.5	36
212	Quinone-fused porphyrins as contrast agents for photoacoustic imaging. <i>Chemical Science</i> , 2017 , 8, 6176-6181	6.1	35
211	Spatio-temporal simulation of first pass drug perfusion in the liver. <i>PLoS Computational Biology</i> , 2014 , 10, e1003499	5	35
210	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, 753-8	8	35
209	Elastin imaging enables noninvasive staging and treatment monitoring of kidney fibrosis. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	34
208	Dynamic contrast-enhanced ultrasound parametric maps to evaluate intratumoral vascularization. <i>Investigative Radiology</i> , 2015 , 50, 212-7	10.1	34
207	Virtual elastic sphere processing enables reproducible quantification of vessel stenosis at CT and MR angiography. <i>Radiology</i> , 2011 , 260, 709-17	20.5	34

206	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	6.4	33
205	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	11.7	33
204	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, 516-24	10.1	33
203	Riboflavin carrier protein-targeted fluorescent USPIO for the assessment of vascular metabolism in tumors. <i>Biomaterials</i> , 2012 , 33, 8822-9	15.6	32
202	Ultrasound molecular imaging of E-selectin in tumor vessels using poly n-butyl cyanoacrylate microbubbles covalently coupled to a short targeting peptide. <i>Investigative Radiology</i> , 2013 , 48, 843-50	10.1	32
201	Platelet-derived growth factor-B normalizes micromorphology and vessel function in vascular endothelial growth factor-A-induced squamous cell carcinomas. <i>American Journal of Pathology</i> , 2010 , 176, 981-94	5.8	32
200	Synthesis and characterization of HE-24.8: a polymeric contrast agent for magnetic resonance angiography. <i>Bioconjugate Chemistry</i> , 2006 , 17, 42-51	6.3	32
199	Dynamic magnetic resonance tomography and proton magnetic resonance spectroscopy of prostate cancers in rats treated by radiotherapy. <i>Investigative Radiology</i> , 2004 , 39, 34-44	10.1	32
198	Low mechanical index contrast-enhanced ultrasound better reflects high arterial perfusion of liver metastases than arterial phase computed tomography. <i>Investigative Radiology</i> , 2004 , 39, 216-22	10.1	32
197	Longitudinal imaging of the ageing mouse. <i>Mechanisms of Ageing and Development</i> , 2016 , 160, 93-116	5.6	31
196	Elastin-based molecular MRI of liver fibrosis. <i>Hepatology</i> , 2013 , 58, 1517-8	11.2	31
195	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, 368-77	5.7	30
194	Liposomal delivery of dexamethasone attenuates prostate cancer bone metastatic tumor growth in vivo. <i>Prostate</i> , 2015 , 75, 815-24	4.2	29
193	Intrinsic gating for small-animal computed tomography: a robust ECG-less paradigm for deriving cardiac phase information and functional imaging. <i>Circulation: Cardiovascular Imaging</i> , 2008 , 1, 235-43	3.9	29
192	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, 430-40	20.5	28
191	Failure of annexin-based apoptosis imaging in the assessment of antiangiogenic therapy effects. <i>EJNMMI Research</i> , 2011 , 1, 26	3.6	28
190	Theranostic systems and strategies for monitoring nanomedicine-mediated drug targeting. <i>Current Pharmaceutical Biotechnology</i> , 2012 , 13, 609-22	2.6	28
189	Impact of stroma on the growth, microcirculation, and metabolism of experimental prostate tumors. <i>Neoplasia</i> , 2007 , 9, 57-67	6.4	28

188	Dynamic T1-weighted monitoring of vascularization in human carcinoma heterotransplants by magnetic resonance imaging. <i>International Journal of Cancer</i> , 2003 , 104, 113-20	7.5	28
187	Advanced Ultrasound Technologies for Diagnosis and Therapy. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 740-746	8.9	27
186	evaluation of riboflavin receptor targeted fluorescent USPIO in mice with prostate cancer xenografts. <i>Nano Research</i> , 2016 , 9, 1319-1333	10	27
185	Scattered PET data for attenuation-map reconstruction in PET/MRI. <i>Medical Physics</i> , 2014 , 41, 102502	4.4	27
184	Imaging tumor vascularity by tracing single microbubbles 2011 ,		27
183	Estimation of tissue perfusion by dynamic contrast-enhanced imaging: simulation-based evaluation of the steepest slope method. <i>European Radiology</i> , 2010 , 20, 2166-75	8	26
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