

Christian Vanhove

List of Publications by Citations

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152
papers

3,202
citations

32
h-index

51
g-index

164
ext. papers

3,854
ext. citations

5.3
avg, IF

5.04
L-index

#	Paper	IF	Citations
152	Phase I Study of ⁶⁸ Ga-HER2-Nanobody for PET/CT Assessment of HER2 Expression in Breast Carcinoma. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 27-33	8.9	226
151	Comparison of the biodistribution and tumor targeting of two ^{99m} Tc-labeled anti-EGFR nanobodies in mice, using pinhole SPECT/micro-CT. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 788-95	8.9	169
150	Localization, mechanism and reduction of renal retention of technetium-99m labeled epidermal growth factor receptor-specific nanobody in mice. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 85-92	3.2	85
149	Cancer-associated adipose tissue promotes breast cancer progression by paracrine oncostatin M and Jak/STAT3 signaling. <i>Cancer Research</i> , 2014 , 74, 6806-19	10.1	83
148	Sortase A-mediated site-specific labeling of camelid single-domain antibody-fragments: a versatile strategy for multiple molecular imaging modalities. <i>Contrast Media and Molecular Imaging</i> , 2016 , 11, 328-339	3.2	76
147	Co-delivery of nucleoside-modified mRNA and TLR agonists for cancer immunotherapy: Restoring the immunogenicity of immunosilent mRNA. <i>Journal of Controlled Release</i> , 2017 , 266, 287-300	11.7	70
146	The Impact of Accelerated HF-rTMS on the Subgenual Anterior Cingulate Cortex in Refractory Unipolar Major Depression: Insights From ¹⁸ F-DG PET Brain Imaging. <i>Brain Stimulation</i> , 2015 , 8, 808-15	5.1	70
145	Radiotherapy-Activated Cancer-Associated Fibroblasts Promote Tumor Progression through Paracrine IGF1R Activation. <i>Cancer Research</i> , 2018 , 78, 659-670	10.1	70
144	In vivo disassembly of IV administered siRNA matrix nanoparticles at the renal filtration barrier. <i>Biomaterials</i> , 2013 , 34, 2350-8	15.6	67
143	Targeting of vascular cell adhesion molecule-1 by ¹⁸ F-labelled nanobodies for PET/CT imaging of inflamed atherosclerotic plaques. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 1001-8	4.1	65
142	Review of SPECT collimator selection, optimization, and fabrication for clinical and preclinical imaging. <i>Medical Physics</i> , 2015 , 42, 4796-813	4.4	65
141	ESTRO ACROP: Technology for precision small animal radiotherapy research: Optimal use and challenges. <i>Radiotherapy and Oncology</i> , 2018 , 126, 471-478	5.3	62
140	HF-rTMS treatment in medication-resistant melancholic depression: results from ¹⁸ F-DG-PET brain imaging. <i>CNS Spectrums</i> , 2009 , 14, 439-48	1.8	61
139	An algorithm for total variation regularization in high-dimensional linear problems. <i>Inverse Problems</i> , 2011 , 27, 065002	2.3	59
138	Evaluation of the radiation dose in micro-CT with optimization of the scan protocol. <i>Contrast Media and Molecular Imaging</i> , 2010 , 5, 201-7	3.2	58
137	Time-course of contrast enhancement in spleen and liver with Exia 160, Fenestra LC, and VC. <i>Molecular Imaging and Biology</i> , 2009 , 11, 128-35	3.8	56
136	Interest of the ordered subsets expectation maximization (OS-EM) algorithm in pinhole single-photon emission tomography reconstruction: a phantom study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000 , 27, 140-6	8.8	56

135	Utilizing micro-computed tomography to evaluate bone structure surrounding dental implants: a comparison with histomorphometry. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013 , 101, 1259-66	3.5	54
134	The impact of HF-rTMS treatment on serotonin(2A) receptors in unipolar melancholic depression. <i>Brain Stimulation</i> , 2011 , 4, 104-11	5.1	53
133	Iterative CT Reconstruction Using Shearlet-Based Regularization. <i>IEEE Transactions on Nuclear Science</i> , 2013 , 60, 3305-3317	1.7	50
132	Small animal imaging with multi-pinhole SPECT. <i>Methods</i> , 2009 , 48, 83-91	4.6	50
131	Optimal dose of 18F-FDG required for whole-body PET using an LSO PET camera. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003 , 30, 1615-9	8.8	48
130	Correlation between epidermal growth factor receptor-specific nanobody uptake and tumor burden: a tool for noninvasive monitoring of tumor response to therapy. <i>Molecular Imaging and Biology</i> , 2011 , 13, 940-8	3.8	46
129	Improved quantification in single-pinhole and multiple-pinhole SPECT using micro-CT information. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 1049-63	8.8	43
128	Mathematical modeling of intraperitoneal drug delivery: simulation of drug distribution in a single tumor nodule. <i>Drug Delivery</i> , 2017 , 24, 491-501	7	41
127	Modulation of the unfolded protein response impedes tumor cell adaptation to proteotoxic stress: a PERK for hepatocellular carcinoma therapy. <i>Hepatology International</i> , 2015 , 9, 93-104	8.8	41
126	Pretreatment with VEGF(R)-inhibitors reduces interstitial fluid pressure, increases intraperitoneal chemotherapy drug penetration, and impedes tumor growth in a mouse colorectal carcinomatosis model. <i>Oncotarget</i> , 2015 , 6, 29889-900	3.3	39
125	Angiopietin-2 Promotes Pathological Angiogenesis and Is a Therapeutic Target in Murine Nonalcoholic Fatty Liver Disease. <i>Hepatology</i> , 2019 , 69, 1087-1104	11.2	39
124	Perturbative refinement of the geometric calibration in pinhole SPECT. <i>IEEE Transactions on Medical Imaging</i> , 2008 , 27, 204-14	11.7	38
123	Reproducibility of left ventricular volume and ejection fraction measurements in rat using pinhole gated SPECT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2005 , 32, 211-20	8.8	38
122	TNFR1 inhibition with a Nanobody protects against EAE development in mice. <i>Scientific Reports</i> , 2017 , 7, 13646	4.9	36
121	Three-pinhole collimator to improve axial spatial resolution and sensitivity in pinhole SPECT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008 , 35, 407-15	8.8	34
120	Resolution recovery in pinhole SPECT based on multi-ray projections: a phantom study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007 , 34, 170-80	8.8	30
119	Therapeutic effects of artesunate in hepatocellular carcinoma: repurposing an ancient antimalarial agent. <i>European Journal of Gastroenterology and Hepatology</i> , 2014 , 26, 861-70	2.2	29
118	Radiation-induced lung damage promotes breast cancer lung-metastasis through CXCR4 signaling. <i>Oncotarget</i> , 2015 , 6, 26615-32	3.3	29

117	Tumor-environment biomimetics delay peritoneal metastasis formation by deceiving and redirecting disseminated cancer cells. <i>Biomaterials</i> , 2015 , 54, 148-57	15.6	27
116	MRI-guided 3D conformal arc micro-irradiation of a F98 glioblastoma rat model using the Small Animal Radiation Research Platform (SARRP). <i>Journal of Neuro-Oncology</i> , 2014 , 120, 257-66	4.8	26
115	Distribution and dynamics of (99m)Tc-pertechnetate uptake in the thyroid and other organs assessed by single-photon emission computed tomography in living mice. <i>Thyroid</i> , 2010 , 20, 519-26	6.2	26
114	Near-infrared fluorescence guided esophageal reconstructive surgery: A systematic review. <i>World Journal of Gastrointestinal Oncology</i> , 2019 , 11, 250-263	3.4	25
113	Accurate molecular imaging of small animals taking into account animal models, handling, anaesthesia, quality control and imaging system performance. <i>EJNMMI Physics</i> , 2015 , 2, 31	4.4	24
112	Toward smart design of retinal drug carriers: a novel bovine retinal explant model to study the barrier role of the vitreoretinal interface. <i>Drug Delivery</i> , 2017 , 24, 1384-1394	7	23
111	In vivo visualization and quantification of (Disturbed) Oatp-mediated hepatic uptake and Mrp2-mediated biliary excretion of 99mTc-mebrofenin in mice. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 624-30	8.9	23
110	(18)F-fluoromethylcholine (FCho), (18)F-fluoroethyltyrosine (FET), and (18)F-fluorodeoxyglucose (FDG) for the discrimination between high-grade glioma and radiation necrosis in rats: a PET study. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 38-45	2.1	22
109	Haematopoietic prolyl hydroxylase-1 deficiency promotes M2 macrophage polarization and is both necessary and sufficient to protect against experimental colitis. <i>Journal of Pathology</i> , 2017 , 241, 547-558	9.4	21
108	Heterocellular 3D scaffolds as biomimetic to recapitulate the tumor microenvironment of peritoneal metastases in vitro and in vivo. <i>Biomaterials</i> , 2018 , 158, 95-105	15.6	21
107	Role of metallothioneins as danger signals in the pathogenesis of colitis. <i>Journal of Pathology</i> , 2014 , 233, 89-100	9.4	19
106	Hypoxia imaging with F-FAZA PET/CT predicts radiotherapy response in esophageal adenocarcinoma xenografts. <i>Radiation Oncology</i> , 2018 , 13, 39	4.2	17
105	Functional circuit mapping of striatal output nuclei using simultaneous deep brain stimulation and fMRI. <i>NeuroImage</i> , 2017 , 146, 1050-1061	7.9	17
104	Low-dose dobutamine gated single-photon emission tomography: comparison with stress echocardiography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000 , 27, 413-8	8.8	17
103	Effects of low-dose dobutamine on left ventricular function in normal subjects as assessed by gated single-photon emission tomography myocardial perfusion studies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1999 , 26, 1298-303	8.8	17
102	A 3D CFD model of the interstitial fluid pressure and drug distribution in heterogeneous tumor nodules during intraperitoneal chemotherapy. <i>Drug Delivery</i> , 2019 , 26, 404-415	7	16
101	The evaluation of data completeness and image quality in multiplexing multi-pinhole SPECT. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 474-86	11.7	16
100	Fate of xylem-transported 11C- and 13C-labeled CO2 in leaves of poplar. <i>Physiologia Plantarum</i> , 2015 , 153, 555-64	4.6	16

99	In vivo longitudinal micro-CT study of bent long limb bones in rat offspring. <i>Reproductive Toxicology</i> , 2014 , 46, 91-7	3.4	16
98	Adipose-Derived Mesenchymal Stromal Cells Improve the Healing of Colonic Anastomoses Following High Dose of Irradiation Through Anti-Inflammatory and Angiogenic Processes. <i>Cell Transplantation</i> , 2017 , 26, 1919-1930	4	16
97	Plasma protein binding of luciferase substrates influences sensitivity and accuracy of bioluminescence imaging. <i>Molecular Imaging and Biology</i> , 2011 , 13, 59-66	3.8	16
96	Prediction of response to neoadjuvant radiotherapy in patients with locally advanced rectal cancer by means of sequential 18FDG-PET. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 91-6	4	16
95	Left ventricular ejection fraction and volumes from gated blood pool tomography: comparison between two automatic algorithms that work in three-dimensional space. <i>Journal of Nuclear Cardiology</i> , 2001 , 8, 466-71	2.1	16
94	Dynamic changes in hippocampal diffusion and kurtosis metrics following experimental mTBI correlate with glial reactivity. <i>NeuroImage: Clinical</i> , 2019 , 21, 101669	5.3	16
93	Non-viral delivery of chemically modified mRNA to the retina: Subretinal versus intravitreal administration. <i>Journal of Controlled Release</i> , 2019 , 307, 315-330	11.7	15
92	Improved quantification in multiple-pinhole SPECT by anatomy-based reconstruction using microCT information. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011 , 38, 153-65	8.8	15
91	Gated myocardial perfusion tomography versus gated blood pool tomography for the calculation of left ventricular volumes and ejection fraction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002 , 29, 735-41	8.8	15
90	Anti-human PD-L1 Nanobody for Immuno-PET Imaging: Validation of a Conjugation Strategy for Clinical Translation. <i>Biomolecules</i> , 2020 , 10,	5.9	15
89	Alterations in the functional brain network in a rat model of epileptogenesis: A longitudinal resting state fMRI study. <i>NeuroImage</i> , 2019 , 202, 116144	7.9	14
88	New fluoroethyl phenylalanine analogues as potential LAT1-targeting PET tracers for glioblastoma. <i>Scientific Reports</i> , 2019 , 9, 2878	4.9	14
87	Cx43 channels and signaling via IP/Ca, ATP, and ROS/NO propagate radiation-induced DNA damage to non-irradiated brain microvascular endothelial cells. <i>Cell Death and Disease</i> , 2020 , 11, 194	9.8	14
86	Optimizing dual energy cone beam CT protocols for preclinical imaging and radiation research. <i>British Journal of Radiology</i> , 2017 , 90, 20160480	3.4	14
85	Repetitive transcranial magnetic stimulation for the treatment of refractory epilepsy. <i>Expert Review of Neurotherapeutics</i> , 2016 , 16, 1093-110	4.3	13
84	Reconstruction of gated myocardial perfusion SPET incorporating temporal information during iterative reconstruction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002 , 29, 465-72	8.8	13
83	MRI-Only Based Radiotherapy Treatment Planning for the Rat Brain on a Small Animal Radiation Research Platform (SARRP). <i>PLoS ONE</i> , 2015 , 10, e0143821	3.7	13
82	Biocompatible Lipid-Coated Persistent Luminescent Nanoparticles for In Vivo Imaging of Dendritic Cell Migration. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1900371	3.1	12

81	Accuracy of optical dental digitizers: an in vitro study. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2015 , 35, 115-21	2.1	12
80	Kinetic Modeling and Graphical Analysis of 18F-Fluoromethylcholine (FCho), 18F-Fluoroethyltyrosine (FET) and 18F-Fluorodeoxyglucose (FDG) PET for the Fiscrimination between High-Grade Glioma and Radiation Necrosis in Rats. <i>PLoS ONE</i> , 2016 , 11, e0161845	3.7	12
79	Synthesis, in vitro and in vivo small-animal SPECT evaluation of novel technetium labeled bile acid analogues to study (altered) hepatic transporter function. <i>Nuclear Medicine and Biology</i> , 2016 , 43, 642-9	2.1	12
78	Plant-PET to investigate phloem vulnerability to drought in <i>Populus tremula</i> under changing climate regimes. <i>Tree Physiology</i> , 2019 , 39, 211-221	4.2	12
77	18F-FCho PET and MRI for the prediction of response in glioblastoma patients according to the RANO criteria. <i>Nuclear Medicine Communications</i> , 2017 , 38, 242-249	1.6	11
76	Synthesis, in vitro and in vivo evaluation of 3[18F]fluorocholeic acid for the detection of drug-induced cholestasis in mice. <i>PLoS ONE</i> , 2017 , 12, e0173529	3.7	11
75	Performance evaluation of the LightPath imaging system for intra-operative Cerenkov luminescence imaging. <i>Physica Medica</i> , 2018 , 52, 122-128	2.7	11
74	Comparison of 180 degrees and 360 degrees data acquisition for determination of left ventricular function from gated myocardial perfusion tomography and gated blood pool tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003 , 30, 1498-504	8.8	11
73	Assessment of perfusion, function, and myocardial metabolism after infarction with a combination of low-dose dobutamine tetrofosmin gated SPECT perfusion scintigraphy and BMIPP SPECT imaging. <i>Journal of Nuclear Cardiology</i> , 2000 , 7, 29-36	2.1	11
72	The Path Toward PET-Guided Radiation Therapy for Glioblastoma in Laboratory Animals: A Mini Review. <i>Frontiers in Medicine</i> , 2019 , 6, 5	4.9	10
71	Hippocampal deep brain stimulation reduces glucose utilization in the healthy rat brain. <i>Molecular Imaging and Biology</i> , 2015 , 17, 373-83	3.8	10
70	Dynamic functional connectivity and graph theory metrics in a rat model of temporal lobe epilepsy reveal a preference for brain states with a lower functional connectivity, segregation and integration. <i>Neurobiology of Disease</i> , 2020 , 139, 104808	7.5	10
69	Regional alterations of cerebral [F]FDG metabolism in the chronic unpredictable mild stress- and the repeated corticosterone depression model in rats. <i>Journal of Neural Transmission</i> , 2018 , 125, 1381-1393	4.3	10
68	Vulnerable plaque detection and quantification with gold ¹⁹⁸ particle-enhanced computed tomography in atherosclerotic mouse models. <i>Molecular Imaging</i> , 2015 , 14,	3.7	10
67	Gated SPET myocardial perfusion acquisition within 5 minutes using focussing collimators and a three-head gamma camera. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998 , 25, 587-93	8.8	10
66	Functional MRI during Hippocampal Deep Brain Stimulation in the Healthy Rat Brain. <i>PLoS ONE</i> , 2015 , 10, e0133245	3.7	10
65	11C-Autoradiographs to Image Phloem Loading. <i>Frontiers in Forests and Global Change</i> , 2019 , 2,	3.7	9
64	TLR2 activation causes no morbidity or cardiovascular failure, despite excessive systemic nitric oxide production. <i>Cardiovascular Research</i> , 2013 , 100, 28-35	9.9	9

63	Can medical imaging identify the histopathological growth patterns of liver metastases?. <i>Seminars in Cancer Biology</i> , 2021 , 71, 33-41	12.7	9
62	Long-term chemogenetic suppression of seizures in a multifocal rat model of temporal lobe epilepsy. <i>Epilepsia</i> , 2021 , 62, 659-670	6.4	9
61	In Vivo DCE-MRI for the Discrimination Between Glioblastoma and Radiation Necrosis in Rats. <i>Molecular Imaging and Biology</i> , 2017 , 19, 857-866	3.8	8
60	Use of a Ray-Based Reconstruction Algorithm to Accurately Quantify Preclinical MicroSPECT Images. <i>Molecular Imaging</i> , 2014 , 13, 7290.2014.00007	3.7	8
59	Effect of high-intensity ultrasound-targeted microbubble destruction on perfusion and function of the rat heart assessed by pinhole-gated SPECT. <i>Ultrasound in Medicine and Biology</i> , 2010 , 36, 158-65	3.5	8
58	Imaging characteristics of heterotopic mesenteric ossification on FDG PET and Tc-99m bone SPECT. <i>Clinical Nuclear Medicine</i> , 2008 , 33, 496-9	1.7	8
57	Standardization of Preclinical PET/CT Imaging to Improve Quantitative Accuracy, Precision, and Reproducibility: A Multicenter Study. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 461-468	8.9	8
56	Adjuvant therapeutic potential of tonabersat in the standard treatment of glioblastoma: A preclinical F98 glioblastoma rat model study. <i>PLoS ONE</i> , 2019 , 14, e0224130	3.7	7
55	Collimator design for a multipinhole brain SPECT insert for MRI. <i>Medical Physics</i> , 2015 , 42, 667989	4.4	7
54	Improved quantification in pinhole gated myocardial perfusion SPECT using micro-CT and ultrasound information. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 167-74	3.2	7
53	Temperature dependence of APD-based PET scanners. <i>Medical Physics</i> , 2013 , 40, 092506	4.4	7
52	2-[F]FELP, a novel LAT1-specific PET tracer, for the discrimination between glioblastoma, radiation necrosis and inflammation. <i>Nuclear Medicine and Biology</i> , 2020 , 82-83, 9-16	2.1	7
51	The VEGFR Inhibitor Cediranib Improves the Efficacy of Fractionated Radiotherapy in a Colorectal Cancer Xenograft Model. <i>European Surgical Research</i> , 2017 , 58, 95-108	1.1	6
50	Technical feasibility of [F]FET and [F]FAZA PET guided radiotherapy in a F98 glioblastoma rat model. <i>Radiation Oncology</i> , 2019 , 14, 89	4.2	6
49	PET and MRI Guided Irradiation of a Glioblastoma Rat Model Using a Micro-irradiator. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	6
48	Magnetic Resonance Based Attenuation Correction for Micro Single-Photon Emission Computed Tomography. <i>Molecular Imaging</i> , 2012 , 11, 7290.2011.00036	3.7	6
47	Innovation in cancer imaging. <i>European Surgical Research</i> , 2012 , 48, 121-30	1.1	6
46	Iterative CT reconstruction using shearlet-based regularization 2012 ,		6

45	Studying in vivo dynamics of xylem-transported $^{11}\text{C}\text{O}_2$ using positron emission tomography. <i>Tree Physiology</i> , 2020 , 40, 1058-1070	4.2	5
44	Low-dose micro-CT imaging for vascular segmentation and analysis using sparse-view acquisitions. <i>PLoS ONE</i> , 2013 , 8, e68449	3.7	5
43	The shrimp nephrocomplex serves as a major portal of pathogen entry and is involved in the molting process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28374-28383	11.5	5
42	Species-dependent extracranial manifestations of a brain seeking breast cancer cell line. <i>PLoS ONE</i> , 2018 , 13, e0208340	3.7	5
41	Intra-individual dynamic comparison of F-PSMA-11 and Ga-PSMA-11 in LNCaP xenograft bearing mice. <i>Scientific Reports</i> , 2020 , 10, 21068	4.9	4
40	RBL1 (p107) functions as tumor suppressor in glioblastoma and small-cell pancreatic neuroendocrine carcinoma in <i>Xenopus tropicalis</i> . <i>Oncogene</i> , 2020 , 39, 2692-2706	9.2	4
39	Improved Detection of Molecular Markers of Atherosclerotic Plaques Using Sub-Millimeter PET Imaging. <i>Molecules</i> , 2020 , 25,	4.8	4
38	Radiolabeled gelatin type B analogues can be used for non-invasive visualisation and quantification of protein coatings on 3D porous implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 1961-9	4.5	4
37	Effect of beta-blockade on low-dose dobutamine-induced changes in left ventricular function in healthy volunteers: assessment by gated SPET myocardial perfusion scintigraphy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000 , 27, 419-24	8.8	4
36	PET for Therapy Response Assessment in Glioblastoma 175-195		4
35	Recent advancements in F-labeled PSMA targeting PET radiopharmaceuticals.. <i>Nuclear Medicine and Biology</i> , 2021 , 106-107, 29-51	2.1	4
34	Hydrogel-Induced Cell Membrane Disruptions Enable Direct Cytosolic Delivery of Membrane-Impermeable Cargo. <i>Advanced Materials</i> , 2021 , 33, e2008054	24	4
33	High-Resolution in vivo Imaging of Xylem-Transported CO_2 in Leaves Based on Real-Time ^{11}C -Tracing. <i>Frontiers in Forests and Global Change</i> , 2019 , 2,	3.7	4
32	Exploratory relationships between cognitive improvements and training induced plasticity in hippocampus and cingulum in a rat model of mild traumatic brain injury: a diffusion MRI study. <i>Brain Imaging and Behavior</i> , 2020 , 14, 2281-2294	4.1	4
31	Use of a ray-based reconstruction algorithm to accurately quantify preclinical microSPECT images. <i>Molecular Imaging</i> , 2014 , 13, 1-13	3.7	4
30	Improved xenograft efficiency of esophageal adenocarcinoma cell lines through in vivo selection. <i>Oncology Reports</i> , 2017 , 38, 71-81	3.5	3
29	Slc2a10 knock-out mice deficient in ascorbic acid synthesis recapitulate aspects of arterial tortuosity syndrome and display mitochondrial respiration defects. <i>Human Molecular Genetics</i> , 2020 , 29, 1476-1488	5.6	3
28	Cytosolic delivery of gadolinium via photoporation enables improved in vivo magnetic resonance imaging of cancer cells. <i>Biomaterials Science</i> , 2021 , 9, 4005-4018	7.4	3

27	Quantitative and Functional Requirements for Bioluminescent Cancer Models. <i>In Vivo</i> , 2016 , 30, 1-11	2.3	3
26	Advanced Diffusion Imaging in The Hippocampus of Rats with Mild Traumatic Brain Injury. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	2
25	MRI-Based Attenuation Correction for Emission Tomography using Ultrashort Echo Time Sequences 2012 ,		2
24	Absolute quantification in multi-pinhole micro-SPECT for different isotopes 2011 ,		2
23	Dual energy microCT for small animal bone-iodine decomposition 2012 ,		2
22	Extrastriatal uptake on (123)I-ioflupane brain SPECT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 1048	8.8	2
21	Impact of the molar activity and PSMA expression level on [F]AlF-PSMA-11 uptake in prostate cancer. <i>Scientific Reports</i> , 2021 , 11, 22623	4.9	2
20	Level of hM4D(Gi) DREADD Expression Determines Inhibitory and Neurotoxic Effects in the Hippocampus. <i>ENeuro</i> , 2021 , 8,	3.9	2
19	In vivo selection of the MDA-MB-231br/eGFP cancer cell line to obtain a clinically relevant rat model for triple negative breast cancer brain metastasis. <i>PLoS ONE</i> , 2020 , 15, e0243156	3.7	2
18	CRISPR-SID: identifying EZH2 as a druggable target for desmoid tumors via in vivo dependency mapping		2
17	Development of a Rat Model for Glioma-Related Epilepsy. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
16	Guide to Plant-PET Imaging Using CO. <i>Frontiers in Plant Science</i> , 2021 , 12, 602550	6.2	2
15	In Vivo Measurement of Hepatic Drug Transporter Inhibition with Radiolabeled Bile Acids. <i>Methods in Molecular Biology</i> , 2019 , 1981, 87-98	1.4	1
14	Radiosynthesis, in vitro and preliminary biological evaluation of [F]2-amino-4-((2-((3-fluorobenzyl)oxy)benzyl)(2-((3-(fluoromethyl)benzyl)oxy)benzyl)amino)butanoic acid, a novel alanine serine cysteine transporter 2 inhibitor-based positron emission tomography	1.9	1
13	Radiosynthesis, in vitro and preliminary in vivo evaluation of the novel glutamine derived PET tracers [F]fluorophenylglutamine and [F]fluorobiphenylglutamine. <i>Nuclear Medicine and Biology</i> , 2020 , 86-87, 20-29	2.1	1
12	Efficient Model of the Collimator Blurring in Pinhole SPECT 2006 ,		1
11	Voxel-Based Analysis of [18F]-FDG Brain PET in Rats Using Data-Driven Normalization. <i>Frontiers in Medicine</i> , 2021 , 8, 744157	4.9	1
10	RBL1 (p107) functions as tumor suppressor in glioblastoma and small-cell pancreatic neuroendocrine carcinoma		1

9	Non-invasive cell-tracking methods for adoptive T cell therapies. <i>Drug Discovery Today</i> , 2021 ,	8.8	1
8	Magnetic resonance imaging-guided radiation therapy using animal models of glioblastoma. <i>British Journal of Radiology</i> , 2019 , 92, 20180713	3.4	1
7	Validation of hepatobiliary transport PET imaging in liver function assessment: Evaluation of ^3H [F]FCA in mouse models of liver disease. <i>Nuclear Medicine and Biology</i> , 2019 , 68-69, 40-48	2.1	1
6	Assessment of the effect of therapy in a rat model of glioblastoma using ^{18}F FDG and ^{18}F FCho PET compared to contrast-enhanced MRI. <i>PLoS ONE</i> , 2021 , 16, e0248193	3.7	0
5	Response to "Comment on Temperature dependence of APD-based PET scanners" [Med. Phys. 40(9), 092506 (13pp.) (2013)]. <i>Medical Physics</i> , 2014 , 41, 017102	4.4	
4	Tracheobronchomalacia incidentally detected on Tc-99m ventilation/perfusion SPECT. <i>Clinical Nuclear Medicine</i> , 2009 , 34, 622-4	1.7	
3	Multimodality Imaging in Small Animal Radiotherapy 2019 , 197-209		
2	Evaluating Hepatobiliary Transport with F-Labeled Bile Acids: The Effect of Radiolabel Position and Bile Acid Structure on Radiosynthesis and and Performance. <i>Contrast Media and Molecular Imaging</i> , 2018 , 2018, 6345412	3.2	
1	Evaluation of Liposome-Loaded Microbubbles as a Theranostic Tool in a Murine Collagen-Induced Arthritis Model. <i>Scientia Pharmaceutica</i> , 2022 , 90, 17	4.3	