Alexandra Winkeler

List of Publications by Year
in descending order

52 papers	2,210 citations	218677 26 h-index	223800 46 g-index
52 all docs	52 docs citations	52 times ranked	2713 citing authors

#	Article	IF	Citations
1	Performance evaluation of the microPET R4 PET scanner for rodents. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 737-747.	6.4	222
2	Noninvasive Molecular Imaging of Neuroinflammation. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1393-1415.	4.3	216
3	Cholera Toxin Is Exported from Microsomes by the Sec61p Complex. Journal of Cell Biology, 2000, 148, 1203-1212.	5.2	198
4	Bystander Killing of Malignant Glioma by Bone Marrowâ€“derived Tumor-Infiltrating Progenitor Cells Expressing a Suicide Gene. Molecular Therapy, 2007, 15, 1373-1381.	8.2	149
5	PET-based molecular imaging in neuroscience. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 1051-1065.	6.4	80
6	Early Detection of Erlotinib Treatment Response in NSCLC by 3â€²-Deoxy-3â€²-[18F]-Fluoro-L-Thymidine ([18F]FLT) Positron Emission Tomography (PET). PLoS ONE, 2008, 3, e3908.	2.5	80
7	The translocator protein ligand [18F]DPA-714 images glioma and activated microglia in vivo. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 811-823.	6.4	80
8	Radioisotopic Imaging of Neuroinflammation: FIGURE 1.. Journal of Nuclear Medicine, 2010, 51, 1-4.	5.0	74
9	Combined PET Imaging of the Inflammatory Tumor Microenvironment Identifies Margins of Unique Radiotracer Uptake. Cancer Research, 2017, 77, 1831-1841.	0.9	69
10	Improved Herpes Simplex Virus Type 1 Amplicon Vectors for Proportional Coexpression of Positron Emission Tomography Marker and Therapeutic Genes. Human Gene Therapy, 2003, 14, 277-297.	2.7	67
11	Molecular Imaging of Gliomas. Molecular Imaging, 2002, 1, 309-335.	1.4	63
12	Imaging-Guided Gene Therapy of Experimental Gliomas. Cancer Research, 2007, 67, 1706-1715.	0.9	62
13	Methods to monitor gene therapy with molecular imaging. Methods, 2009, 48, 146-160.	3.8	59
14	Multimodal Imaging of Neural Progenitor Cell Fate in Rodents. Molecular Imaging, 2008, 7, 7290.2008.0010.	1.4	49
15	Identification of new molecular targets for PET imaging of the microglial anti-inflammatory activation state. Theranostics, 2018, 8, 5400-5418.	10.0	48
16	Mouse models in neurological disorders: Applications of non-invasive imaging. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 819-839.	3.8	42
17	Analysis of the Growth Dynamics of Angiogenesis-Dependent and -Independent Experimental Glioblastomas by Multimodal Small-Animal PET and MRI. Journal of Nuclear Medicine, 2012, 53, 1135-1145.	5.0	38
18	Impact of blood-brain barrier permeabilization induced by ultrasound associated to microbubbles on the brain delivery and kinetics of cetuximab: An immunoPET study using 89Zr-cetuximab. Journal of Controlled Release, 2020, 328, 304-312.	9.9	38

#	Article	IF	Citations
19	BiP-dependent export of cholera toxin from endoplasmic reticulum-derived microsomes. FEBS Letters, 2003, 554, 439-442.	2.8	37
20	Normal Brain Cells Contribute to the Bystander Effect in Suicide Gene Therapy of Malignant Glioma. Clinical Cancer Research, 2007, 13, 6761-6768.	7.0	37
21	The Translocator Protein Radioligand ¹⁸F-DPA-714 Monitors Antitumor Effect of Erufosine in a Rat 9L Intracranial Glioma Model. Journal of Nuclear Medicine, 2013, 54, 2125-2131.	5.0	37
22	TSPO imaging-guided characterization of the immunosuppressive myeloid tumor microenvironment in patients with malignant glioma. Neuro-Oncology, 2020, 22, 1030-1043.	1.2	35
23	Imaging Bone Morphogenetic Protein 7 Induced Cell Cycle Arrest in Experimental Gliomas. Neoplasia, 2011, 13, 276-IN22.	5.3	31
24	PET imaging of cannabinoid type 2 receptors with [¹¹C]A-836339 did not evidence changes following neuroinflammation in rats. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1163-1178.	4.3	31
25	Multimodal imaging of neural progenitor cell fate in rodents. Molecular Imaging, 2008, 7, 77-91.	1.4	31
26	Imaging in Gene Therapy of Patients with Glioma. Journal of Neuro-Oncology, 2003, 65, 291-305.	2.9	28
27	Imaging noradrenergic influence on amyloid pathology in mouse models of Alzheimerâ€™s disease. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 107-113.	6.4	27
28	TSPO-PET and diffusion-weighted MRI for imaging a mouse model of infiltrative human glioma. Neuro-Oncology, 2019, 21, 755-764.	1.2	26
29	Variability in infectivity of primary cell cultures of human brain tumors with HSV-1 amplicon vectors. Gene Therapy, 2005, 12, 588-596.	4.5	25
30	Imaging temozolomide-induced changes in the myeloid glioma microenvironment. Theranostics, 2021, 11, 2020-2033.	10.0	25
31	Switching on the Lights for Gene Therapy. PLoS ONE, 2007, 2, e528.	2.5	24
32	Imaging of the glioma microenvironment by TSPO PET. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 49, 174-185.	6.4	24
33	[18F]FLT PET for Non-Invasive Monitoring of Early Response to Gene Therapy in Experimental Gliomas. Molecular Imaging and Biology, 2011, 13, 547-557.	2.6	22
34	From Structureâ€“Activity Relationships on Thiazole Derivatives to the In Vivo Evaluation of a New Radiotracer for Cannabinoid Subtype 2 PET Imaging. Molecular Pharmaceutics, 2017, 14, 4064-4078.	4.6	22
35	Multimodal Molecular Imaging of the Tumour Microenvironment. Advances in Experimental Medicine and Biology, 2020, 1225, 71-87.	1.6	20
36	[18F]2-Fluoro-2-deoxy-sorbitol PET Imaging for Quantitative Monitoring of Enhanced Blood-Brain Barrier Permeability Induced by Focused Ultrasound. Pharmaceutics, 2021, 13, 1752.	4.5	17

#	Article	IF	Citations
37	Multitracer Positron Emission Tomographic Imaging of Exogenous Gene Expression Mediated by a Universal Herpes Simplex Virus 1 Amplicon Vector. Molecular Imaging, 2007, 6, 7290.2007.00015.	1.4	16
38	Noninvasive Assessment of E2F-1â€“Mediated Transcriptional Regulation In vivo. Cancer Research, 2008, 68, 5932-5940.	0.9	15
39	Evaluation of PET Imaging Performance of the TSPO Radioligand [18F]DPA-714 in Mouse and Rat Models of Cancer and Inflammation. Molecular Imaging and Biology, 2016, 18, 127-134.	2.6	12
40	Multitracer positron emission tomographic imaging of exogenous gene expression mediated by a universal herpes simplex virus 1 amplicon vector. Molecular Imaging, 2007, 6, 181-92.	1.4	7
41	Prospects of molecular imaging in neurology. Journal of Cellular Biochemistry, 2002, 87, 98-109.	2.6	6
42	Molecular Imaging-guided Gene Therapy of Gliomas. Handbook of Experimental Pharmacology, 2008, , 341-359.	1.8	5
43	In Vivo Evaluation of the Uptake of [123I]FIAU, [123I]IVFRU and [123I]IVFAU by Normal Mouse Brain: Potential For Noninvasive Assessment of HSV-1 Thymidine Kinase Gene Expression in Gliomas. Nucleosides, Nucleotides and Nucleic Acids, 2008, 27, 57-66.	1.1	3
44	Specific biomarkers of receptors, pathways of inhibition and targeted therapies: clinical applications. British Journal of Radiology, 2011, 84, S179-S195.	2.2	3
45	In Vivo Quantitative Imaging of Glioma Heterogeneity Employing Positron Emission Tomography. Cancers, 2022, 14, 3139.	3.7	3
46	Imaging Herpes Simplex Virus Type 1 Amplicon Vectorâ€“Mediated Gene Expression in Human Glioma Spheroids. Molecular Imaging, 2011, 10, 7290.2010.00036.	1.4	2
47	Specific biomarkers of receptors, pathways of inhibition and targeted therapies: pre-clinical developments. British Journal of Radiology, 2011, 84, S168-S178.	2.2	2
48	Bystander Killing of Malignant Glioma by Bone Marrowâ€“derived Tumor-Infiltrating Progenitor Cells Expressing a Suicide Gene. Molecular Therapy, 0, , .	8.2	2
49	Neuroinflammation: From Target Selection to Preclinical and Clinical Studies. , 2021, , 567-592.		1
50	Imaging of Gene and Cell-Based Therapies: Basis and Clinical Trials. , 2021, , 1539-1587.		0
51	Imaging in Neurology Research I: Neurooncology. , 2011, , 473-498.		0
52	Imaging in Neurooncology. , 2017, , 689-725.		0