Michelle M Kim

List of Publications by Year
in descending order

45 papers	1,639 citations	471509 17 h-index	302126 39 g-index
46 all docs	46 docs citations	46 times ranked	2569 citing authors

#	Article	IF	Citations
1	Response Assessment in Neuro-Oncology working group and European Association for Neuro-Oncology recommendations for the clinical use of PET imaging in gliomas. Neuro-Oncology, 2016, 18, 1199-1208.	1.2	566
2	PET imaging in patients with brain metastasis—report of the RANO/PET group. Neuro-Oncology, 2019, 21, 585-595.	1.2	139
3	NO to cancer: The complex and multifaceted role of nitric oxide and the epigenetic nitric oxide donor, RRx-001. Redox Biology, 2015, 6, 1-8.	9.0	98
4	Radiation Therapy for Brain Metastases: An ASTRO Clinical Practice Guideline. Practical Radiation Oncology, 2022, 12, 265-282.	2.1	90
5	Non-invasive metabolic imaging of brain tumours in the era of precision medicine. Nature Reviews Clinical Oncology, 2016, 13, 725-739.	27.6	88
6	Safety and activity of RRx-001 in patients with advanced cancer: a first-in-human, open-label, dose-escalation phase 1 study. Lancet Oncology, The, 2015, 16, 1133-1142.	10.7	76
7	Contribution of PET imaging to radiotherapy planning and monitoring in glioma patients - a report of the PET/RANO group. Neuro-Oncology, 2021, 23, 881-893.	1.2	75
8	Hypercellularity Components of Glioblastoma Identified by High b-Value Diffusion-Weighted Imaging. International Journal of Radiation Oncology Biology Physics, 2015, 92, 811-819.	0.8	41
9	Generation of Synthetic CT Images From MRI for Treatment Planning and Patient Positioning Using a 3-Channel U-Net Trained on Sagittal Images. Frontiers in Oncology, 2019, 9, 964.	2.8	41
10	Discriminating pseudoprogression and true progression in diffuse infiltrating glioma using multi-parametric MRI data through deep learning. Scientific Reports, 2020, 10, 20331.	3.3	36
11	Effect of the Maximum Dose on White Matter Fiber Bundles Using Longitudinal Diffusion Tensor Imaging. International Journal of Radiation Oncology Biology Physics, 2016, 96, 696-705.	0.8	29
12	Whole Brain Radiotherapy and RRx-001: Two Partial Responses in Radioresistant Melanoma Brain Metastases from a Phase I/II Clinical Trial. Translational Oncology, 2016, 9, 108-113.	3.7	28
13	Stereotactic Radiosurgery for Brain Arteriovenous Malformations: Evaluation of Obliteration and Review of Associated Predictors. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104863.	1.6	23
14	A Phase 2 Study of Dose-intensified Chemoradiation Using Biologically Based Target Volume Definition in Patients With Newly Diagnosed Glioblastoma. International Journal of Radiation Oncology Biology Physics, 2021, 110, 792-803.	0.8	23
15	Developing a Pipeline for Multiparametric MRI-Guided Radiation Therapy: Initial Results from a Phase II Clinical Trial in Newly Diagnosed Glioblastoma. Tomography, 2019, 5, 118-126.	1.8	22
16	Spatial habitats from multiparametric MR imaging are associated with signaling pathway activities and survival in glioblastoma. Oncotarget, 2017, 8, 112992-113001.	1.8	21
17	Gemcitabine Plus Radiation Therapy for High-Grade Glioma: Long-Term Results of a Phase 1 Dose-Escalation Study. International Journal of Radiation Oncology Biology Physics, 2016, 94, 305-311.	0.8	18
18	Xenograft-based, platform-independent gene signatures to predict response to alkylating chemotherapy, radiation, and combination therapy for glioblastoma. Neuro-Oncology, 2019, 21, 1141-1149.	1.2	17

#	Article	IF	Citations
19	Combining Perfusion and High B-value Diffusion MRI to Inform Prognosis and Predict Failure Patterns in Glioblastoma. International Journal of Radiation Oncology Biology Physics, 2018, 102, 757-764.	0.8	16
20	Radiation-Induced Imaging Changes and Cerebral Edema following Stereotactic Radiosurgery for Brain AVMs. American Journal of Neuroradiology, 2021, 42, 82-87.	2.4	15
21	Investigational PET tracers in neuro-oncology—What's on the horizon? A report of the PET/RANO group. Neuro-Oncology, 2022, 24, 1815-1826.	1.2	14
22	Response assessment during chemoradiation using a hypercellular/hyperperfused imaging phenotype predicts survival in patients with newly diagnosed glioblastoma. Neuro-Oncology, 2021, 23, 1537-1546.	1.2	12
23	Concurrent whole brain radiotherapy and RRx-001 for melanoma brain metastases. Neuro-Oncology, 2016, 18, 455-456.	1.2	11
24	RRx-001 in Refractory Small-Cell Lung Carcinoma: A Case Report of a Partial Response after a Third Reintroduction of Platinum Doublets. Case Reports in Oncology, 2016, 9, 171-176.	0.7	11
25	No patient left behind: The promise of immune priming with epigenetic agents. OncoImmunology, 2017, 6, e1315486.	4.6	11
26	Dose-intensified chemoradiation is associated with altered patterns of failure and favorable survival in patients with newly diagnosed glioblastoma. Journal of Neuro-Oncology, 2019, 143, 313-319.	2.9	11
27	Metabolic Tumor Volume Response Assessment Using (11)C-Methionine Positron Emission Tomography Identifies Glioblastoma Tumor Subregions That Predict Progression Better Than Baseline or Anatomic Magnetic Resonance Imaging Alone. Advances in Radiation Oncology, 2020, 5, 53-61.	1.2	11
28	Turning on the Radio: Epigenetic Inhibitors as Potential Radiopriming Agents. Biomolecules, 2016, 6, 32.	4.0	9
29	Computed Tomography Myelosimulation Versus Magnetic Resonance Imaging Registration to Delineate the Spinal Cord During Spine Stereotactic Radiosurgery. World Neurosurgery, 2019, 122, e655-e666.	1.3	8
30	Spinal Growth Patterns After Craniospinal Irradiation in Children With Medulloblastoma. Practical Radiation Oncology, 2019, 9, e22-e28.	2.1	8
31	Clinical Trial Eligibility Criteria and Recently Approved Cancer Therapies for Patients With Brain Metastases. Frontiers in Oncology, 2021, 11, 780379.	2.8	7
32	Advances in Magnetic Resonance and Positron Emission Tomography Imaging: Assessing Response in the Treatment of Low-Grade Glioma. Seminars in Radiation Oncology, 2015, 25, 172-180.	2.2	6
33	BRAINSTORM: A Multi-Institutional Phase 1/2 Study of RRx-001 in Combination With Whole Brain Radiation Therapy for Patients With Brain Metastases. International Journal of Radiation Oncology Biology Physics, 2020, 107, 478-486.	0.8	6
34	Reducing Radiation-Induced Cognitive Toxicity: Sparing the Hippocampus and Beyond. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1131-1136.	0.8	6
35	Local Control and Toxicity of Multilevel Spine Stereotactic Body Radiotherapy. Neurosurgery, 2019, 86, E164-E172.	1.1	5
36	Standard dose and dose-escalated radiation therapy are associated with favorable survival in select elderly patients with newly diagnosed glioblastoma. Journal of Neuro-Oncology, 2018, 138, 155-162.	2.9	4

#	Article	IF	Citations
37	Precision Radiotherapy for Gliomas. Cancer Journal (Sudbury, Mass), 2021, 27, 353-363.	2.0	3
38	Microstructure Modeling of High b-Value Diffusion-Weighted Images in Glioblastoma. Tomography, 2020, 6, 34-43.	1.8	3
39	Tumor image signatures and habitats: a processing pipeline of multimodality metabolic and physiological images. Journal of Medical Imaging, 2017, 5, 1.	1.5	3
40	A Primer on Secondary Brain Neoplasms: The Essentials. Seminars in Roentgenology, 2018, 53, 101-111.	0.6	2
41	Survival Prediction Analysis in Glioblastoma With Diffusion Kurtosis Imaging. Frontiers in Oncology, 2021, 11, 690036.	2.8	2
42	RRx-001 Reset: Chemoresensitization via NO-Mediated M1 Macrophage Repolarization. , 2017, , 35-56.		1
43	Back to the Future: Charting the Direction of Lower Grade Glioma Trials With Lessons From the Present and Past. International Journal of Radiation Oncology Biology Physics, 2022, 112, 30-34.	0.8	1
44	Individualizing Therapy for Malignant Gliomas. Cancer Journal (Sudbury, Mass), 2021, 27, 335-336.	2.0	0
45	Comparative study of radiologists vs machine learning in differentiating biopsy-proven pseudoprogression and true progression in diffuse gliomas. Neuroscience Informatics, 2022, , 100088.	4.5	0