

Martin Kocher

List of Publications by Year in descending order

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57
papers

4,755
citations

218662

26
h-index

161844

54
g-index

60
all docs

60
docs citations

60
times ranked

4628
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiomics outperforms semantic features for prediction of response to stereotactic radiosurgery in brain metastases. <i>Radiotherapy and Oncology</i> , 2022, 166, 37-43.	0.6	10
2	Oncologic Outcome and Immune Responses of Radiotherapy with Anti-PD-1 Treatment for Brain Metastases Regarding Timing and Benefiting Subgroups. <i>Cancers</i> , 2022, 14, 1240.	3.7	12
3	Recurrent brain metastases: the role of resection of in a comprehensive multidisciplinary treatment setting. <i>BMC Cancer</i> , 2022, 22, 275.	2.6	7
4	Treatment Monitoring of Immunotherapy and Targeted Therapy Using ¹⁸ F-FET PET in Patients with Melanoma and Lung Cancer Brain Metastases: Initial Experiences. <i>Journal of Nuclear Medicine</i> , 2021, 62, 464-470.	5.0	25
5	Imaging of Response to Radiosurgery and Immunotherapy in Brain Metastases: Quo Vadis?. <i>Current Treatment Options in Neurology</i> , 2021, 23, 1.	1.8	0
6	Brain Metastases in Elderly Patients – The Role of Surgery in the Context of Systemic Treatment. <i>Brain Sciences</i> , 2021, 11, 123.	2.3	10
7	Cyberknife® hypofractionated stereotactic radiosurgery (CK-hSRS) as salvage treatment for brain metastases. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 2765-2773.	2.5	3
8	Evaluation of FET PET Radiomics Feature Repeatability in Glioma Patients. <i>Cancers</i> , 2021, 13, 647.	3.7	17
9	Contribution of PET imaging to radiotherapy planning and monitoring in glioma patients - a report of the PET/RANO group. <i>Neuro-Oncology</i> , 2021, 23, 881-893.	1.2	75
10	The Debatable Benefit of Gross-Total Resection of Brain Metastases in a Comprehensive Treatment Setting. <i>Cancers</i> , 2021, 13, 1435.	3.7	16
11	Radiomics for prediction of radiation-induced lung injury and oncologic outcome after robotic stereotactic body radiotherapy of lung cancer: results from two independent institutions. <i>Radiation Oncology</i> , 2021, 16, 74.	2.7	13
12	Lesion-Function Analysis from Multimodal Imaging and Normative Brain Atlases for Prediction of Cognitive Deficits in Glioma Patients. <i>Cancers</i> , 2021, 13, 2373.	3.7	8
13	MLTI-03. The relevance of the count of brain metastases for treatment and outcome in NSCLC. <i>Neuro-Oncology Advances</i> , 2021, 3, iii13-iii13.	0.7	0
14	Case Report: Disruption of Resting-State Networks and Cognitive Deficits After Whole Brain Irradiation for Singular Brain Metastasis. <i>Frontiers in Neuroscience</i> , 2021, 15, 738708.	2.8	3
15	Impact of prescription isodose level and collimator selection on dose homogeneity and plan quality in robotic radiosurgery. <i>Strahlentherapie Und Onkologie</i> , 2021, , 1.	2.0	2
16	Imaging challenges of immunotherapy and targeted therapy in patients with brain metastases: response, progression, and pseudoprogression. <i>Neuro-Oncology</i> , 2020, 22, 17-30.	1.2	94
17	Artificial intelligence and radiomics for radiation oncology. <i>Strahlentherapie Und Onkologie</i> , 2020, 196, 847-847.	2.0	8
18	FET PET Radiomics for Differentiating Pseudoprogression from Early Tumor Progression in Glioma Patients Post-Chemoradiation. <i>Cancers</i> , 2020, 12, 3835.	3.7	55

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19	Stereotactic radiosurgery of benign brain tumors in elderly patients: evaluation of outcome and toxicity. <i>Radiation Oncology</i> , 2020, 15, 274.	2.7	6
20	Applications of radiomics and machine learning for radiotherapy of malignant brain tumors. <i>Strahlentherapie Und Onkologie</i> , 2020, 196, 856-867.	2.0	76
21	Role of the default mode resting-state network for cognitive functioning in malignant glioma patients following multimodal treatment. <i>NeuroImage: Clinical</i> , 2020, 27, 102287.	2.7	18
22	Deep convolutional neural networks for automated segmentation of brain metastases trained on clinical data. <i>Radiation Oncology</i> , 2020, 15, 87.	2.7	68
23	Feature-based PET/MRI radiomics in patients with brain tumors. <i>Neuro-Oncology Advances</i> , 2020, 2, iv15-iv21.	0.7	13
24	Radiomic analysis of planning computed tomograms for predicting radiation-induced lung injury and outcome in lung cancer patients treated with robotic stereotactic body radiation therapy. <i>Strahlentherapie Und Onkologie</i> , 2019, 195, 830-842.	2.0	28
25	Comparison of Local Control of Brain Metastases With Stereotactic Radiosurgery vs Surgical Resection. <i>JAMA Oncology</i> , 2019, 5, 243.	7.1	81
26	Risk-adapted robotic stereotactic body radiation therapy for inoperable early-stage non-small-cell lung cancer. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 91-97.	2.0	21
27	Functional magnetic resonance imaging in glioma patients: from clinical applications to future perspectives. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 62, 295-302.	0.7	7
28	Radiomics derived from amino-acid PET and conventional MRI in patients with high-grade gliomas. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 62, 272-280.	0.7	15
29	Postoperative local fractionated radiotherapy for resected single brain metastases. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 1163-1170.	2.0	13
30	Robotic Stereotactic Radiosurgery in Melanoma Patients with Brain Metastases under Simultaneous Anti-PD-1 Treatment. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2653.	4.1	32
31	Predicting IDH genotype in gliomas using FET PET radiomics. <i>Scientific Reports</i> , 2018, 8, 13328.	3.3	90
32	Combined FET PET/MRI radiomics differentiates radiation injury from recurrent brain metastasis. <i>NeuroImage: Clinical</i> , 2018, 20, 537-542.	2.7	113
33	Dynamic ^{18}F -fluoroethyl-L-tyrosine positron emission tomography differentiates brain metastasis recurrence from radiation injury after radiotherapy. <i>Neuro-Oncology</i> , 2017, 19, now149.	1.2	91
34	O-(2- ^{18}F -fluoroethyl)-L-tyrosine PET for evaluation of brain metastasis recurrence after radiotherapy: an effectiveness and cost-effectiveness analysis. <i>Neuro-Oncology</i> , 2017, 19, 1271-1278.	1.2	27
35	Pseudoprogression after glioma therapy: an update. <i>Expert Review of Neurotherapeutics</i> , 2017, 17, 1109-1115.	2.8	40
36	Phase 3 Trials of Stereotactic Radiosurgery With or Without Whole-Brain Radiation Therapy for 1 to 4 Brain Metastases: Individual Patient Data Meta-Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 710-717.	0.8	369

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37	Diagnosis of pseudoprogression in patients with glioblastoma using O-(2-[18F]fluoroethyl)-l-tyrosine PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 685-695.	6.4	216
38	In Reply to Gemici and Yaprak and Lowrey and Marcus. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 948-949.	0.8	1
39	Intracranial stereotactic radiosurgery with an adapted linear accelerator vs. robotic radiosurgery. <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 470-476.	2.0	26
40	Authors'™ reply to "Dosimetric of intracranial stereotactic radiosurgery: only "an exercise of style"™". <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 812-813.	2.0	0
41	Stereotactic LINAC radiosurgery for the treatment of typical intracranial meningiomas. <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 921-927.	2.0	16
42	Stereotactic radiosurgery for treatment of brain metastases. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 521-532.	2.0	179
43	Differentiation of local tumor recurrence from radiation-induced changes after stereotactic radiosurgery for treatment of brain metastasis: case report and review of the literature. <i>Radiation Oncology</i> , 2013, 8, 52.	2.7	45
44	A European Organisation for Research and Treatment of Cancer Phase III Trial of Adjuvant Whole-Brain Radiotherapy Versus Observation in Patients With One to Three Brain Metastases From Solid Tumors After Surgical Resection or Radiosurgery: Quality-of-Life Results. <i>Journal of Clinical Oncology</i> , 2013, 31, 65-72.	1.6	559
45	Adjuvant Whole-Brain Radiotherapy Versus Observation After Radiosurgery or Surgical Resection of One to Three Cerebral Metastases: Results of the EORTC 22952-26001 Study. <i>Journal of Clinical Oncology</i> , 2011, 29, 134-141.	1.6	1,703
46	Stereotactic LINAC radiosurgery for incompletely resected or recurrent atypical and anaplastic meningiomas. <i>Acta Neurochirurgica</i> , 2011, 153, 1761-1767.	1.7	44
47	Subintimal angioplasty in femoropopliteal region"™Mid-term results. <i>European Journal of Radiology</i> , 2010, 73, 672-676.	2.6	6
48	Retrievable GÃ¼nther Tulip Vena Cava Filter in the prevention of pulmonary embolism in patients with acute deep venous thrombosis in perinatal period. <i>European Journal of Radiology</i> , 2009, 70, 165-169.	2.6	16
49	Randomized Study of Postoperative Radiotherapy and Simultaneous Temozolomide without Adjuvant Chemotherapy for Glioblastoma. <i>Strahlentherapie Und Onkologie</i> , 2008, 184, 572-579.	2.0	46
50	Percutaneous treatment of benign bile duct strictures. <i>European Journal of Radiology</i> , 2007, 62, 170-174.	2.6	74
51	Impact of target point deviations on control and complication probabilities in stereotactic radiosurgery of AVMs and metastases. <i>Radiotherapy and Oncology</i> , 2006, 81, 25-32.	0.6	21
52	Efficacy and Toxicity of Postoperative Temozolomide Radiochemotherapy in Malignant Glioma. <i>Strahlentherapie Und Onkologie</i> , 2005, 181, 157-163.	2.0	44
53	Linac Radiosurgery Versus Whole Brain Radiotherapy for Brain Metastases. <i>Strahlentherapie Und Onkologie</i> , 2004, 180, 263-267.	2.0	82
54	Endovascular treatment of abdominal aortic aneurysms"™6 years of experience with Ella stent-graft system. <i>European Journal of Radiology</i> , 2004, 51, 181-188.	2.6	18

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55	\hat{I}_{\pm}/\hat{I}^2 Ratio for arteriovenous malformations estimated from obliteration rates after fractionated and single-dose irradiation. Radiotherapy and Oncology, 2004, 71, 109-114.	0.6	32
56	Multi-Site Interventional Real-Time Procedure Demonstrations with the Use of Integrated Services Digital Network Connections. CardioVascular and Interventional Radiology, 2001, 24, 332-335.	2.0	1
57	Risk analysis of linear accelerator radiosurgery. International Journal of Radiation Oncology Biology Physics, 1996, 36, 1055-1063.	0.8	160