Yannick Berker

List of Publications by Year
in descending order

40	964	858243	759306
papers	citations	12	22
		h-index	g-index

40	40	40	1441
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	iTReX: Interactive exploration of mono- and combination therapy dose response profiling data. Pharmacological Research, 2022, 175, 105996.	3.1	11
2	Functional Therapeutic Target Validation Using Pediatric Zebrafish Xenograft Models. Cancers, 2022, 14, 849.	1.7	13
3	High Resolution Magic Angle Spinning Proton NMR Study of Alzheimerâ€™s Disease with Mouse Models. Metabolites, 2022, 12, 253.	1.3	2
4	Abstract 2222: Detecting clinically significant prostate cancers: Tissue metabolomics refines multiparametric MRI-ultrasound fusion prostate biopsy. Cancer Research, 2022, 82, 2222-2222.	0.4	0
5	TMOD-04. IMAGE-BASED DRUG RESPONSE PROFILING FROM PEDIATRIC TUMOR CELL SPHEROIDS USING PATIENT-BY-PATIENT DEEP TRANSFER LEARNING. Neuro-Oncology, 2021, 23, i36-i36.	0.6	0
6	Screening human lung cancer with predictive models of serum magnetic resonance spectroscopy metabolomics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
7	CT-based attenuation correction of whole-body radiotherapy treatment positioning devices in PET/MRI hybrid imaging. Physics in Medicine and Biology, 2020, 65, 23NT02.	1.6	4
8	Magnetic Resonance Spectroscopy-based Metabolomic Biomarkers for Typing, Staging, and Survival Estimation of Early-Stage Human Lung Cancer. Scientific Reports, 2019, 9, 10319.	1.6	23
9	EP-2050 Implementation of CT-based attenuation maps of RT positioning devices in PET/MRI -online vs offline. Radiotherapy and Oncology, 2019, 133, S1126-S1127.	0.3	1
10	Algorithms for joint activityâ€"attenuation estimation from positron emission tomography scatter. EJNMMI Physics, 2019, 6, 18.	1.3	9
11	Metabolomic prostate cancer fields in HRMAS MRSâ€'profiled histologically benign tissue vary with cancer status and distance from cancer. NMR in Biomedicine, 2019, 32, e4038.	1.6	16
12	On the impact of input feature selection in deep scatter estimation for positron emission tomography. , 2019, , .		1
13	Golden-ratio as a substitute to geometric and harmonic counting to determine multi-author publication credit. Scientometrics, 2018, 114, 839-857.	1.6	8
14	Deep Scatter Estimation in PET: Fast Scatter Correction Using a Convolutional Neural Network. , 2018, , .		10
15	EP-1732: Multimodal range verification for proton irradiation using MR and PET imaging. Radiotherapy and Oncology, 2018, 127, S926-S927.	0.3	0
16	Deep scatter estimation (DSE): feasibility of using a deep convolutional neural network for real-time x-ray scatter prediction in cone-beam CT. , 2018, , .		26
17	Introduction to Combining MRI with PET. , 2018, , 205-232.		0
18	Numerical Algorithms for Scatter-to-Attenuation Reconstruction in PET: Empirical Comparison of Convergence, Acceleration, and the Effect of Subsets. IEEE Transactions on Radiation and Plasma Medical Sciences, 2017, 1, 426-434.	2.7	12

#	Article	IF	Citations
19	MLAA-based attenuation correction of flexible hardware components in hybrid PET/MR imaging. EJNMMI Physics, 2017, 4, 12.	1.3	22
20	Emission-based Joint Estimation of Patient and Hardware Attenuation Distributions for Hybrid PET/MR Imaging. , 2017, , .		0
21	Joint Reconstruction of PET Attenuation and Activity from Scattered and Unscattered Data. , 2017, , .		5
22	Discrete iterative algorithms for scatter-to-attenuation reconstruction in PET. , 2016, , .		3
23	Attenuation correction in emission tomography using the emission data—A review. Medical Physics, 2016, 43, 807-832.	1.6	82
24	Introduction to Combining MRI With PET. Imaging in Medical Diagnosis and Therapy, 2016, , 205-232.	0.0	0
25	Tie-breaking in round-robin soccer tournaments and its influence on the autonomy of relative rankings: UEFA vs. FIFA regulations. European Sport Management Quarterly, 2014, 14, 194-210.	2.3	11
26	Scattered PET data for attenuation–map reconstruction in PET/MRI. Medical Physics, 2014, 41, 102502.	1.6	34
27	Out-of-field activity in the estimation of mean lung attenuation coefficient in PET/MR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 734, 206-209.	0.7	3
28	Towards using scattered PET emission data for reconstruction of attenuation map in PET/MRI. EJNMMI Physics, 2014, 1, A34.	1.3	1
29	Scattered PET data for attenuation-map reconstruction in PET/MRI: Fundamentals. , 2014, , .		6
30	Challenges and current methods for attenuation correction in PET/MR. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2013, 26, 81-98.	1.1	138
31	Sensitivity encoded silicon photomultiplier—a new sensor for high-resolution PET-MRI. Physics in Medicine and Biology, 2013, 58, 4733-4748.	1.6	17
32	Impact of out-of-field activity in MLAA estimation of lung attenuation for PET/MR. , 2013, , .		0
33	Study-Parameter Impact in Quantitative 90-Yttrium PET Imaging for Radioembolization Treatment Monitoring and Dosimetry. IEEE Transactions on Medical Imaging, 2013, 32, 485-492.	5.4	33
34	Abstract 3228: Using paired tissue and serum samples to characterize human lung cancer metabolomics with 1H HRMAS MRS.. , 2013, , .		0
35	Abstract 3227: Evaluation of prostate cancer metabolomic field effects with 1H HRMAS MRS and prostate needle biopsies.. , 2013, , .		0
36	MRI-Based Attenuation Correction for Hybrid PET/MRI Systems: A 4-Class Tissue Segmentation Technique Using a Combined Ultrashort-Echo-Time/Dixon MRI Sequence. Journal of Nuclear Medicine, 2012, 53, 796-804.	2.8	406

#	Article	IF	Citations
37	A 2D Sensitivity Encoded Silicon Photomultiplier (SeSP) for simultaneous high resolution PET/MR scanners. , 2012, , .		0
38	Lung attenuation coefficient estimation using Maximum Likelihood reconstruction of attenuation and activity for PET/MR attenuation correction. , 2012, , .		8
39	Use of scattered coincidences for emission-based estimation of attenuation map in PET. , 2012, , .		8
40	Activity quantification combining conjugate-view planar scintigraphies and SPECT/CT data for patient-specific 3-D dosimetry in radionuclide therapy. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 2173-2185.	3.3	31