

David J Collins

List of Publications by Year in descending order

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19
papers

4,500
citations

623734

14
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

6915
citing authors

#	ARTICLE	IF	CITATIONS
1	DCE-MRI is more sensitive than IVIM-DWI for assessing anti-angiogenic treatment-induced changes in colorectal liver metastases. <i>Cancer Imaging</i> , 2021, 21, 67.	2.8	4
2	Diffusion-weighted MRI in Advanced Epithelial Ovarian Cancer: Apparent Diffusion Coefficient as a Response Marker. <i>Radiology</i> , 2019, 293, 374-383.	7.3	25
3	Synthetic 4D-CT of the thorax for treatment plan adaptation on MR-guided radiotherapy systems. <i>Physics in Medicine and Biology</i> , 2019, 64, 115005.	3.0	10
4	Principal component analysis for fast and model-free denoising of multi b-value diffusion-weighted MR images. <i>Physics in Medicine and Biology</i> , 2019, 64, 105015.	3.0	22
5	Patient-derived organoids model treatment response of metastatic gastrointestinal cancers. <i>Science</i> , 2018, 359, 920-926.	12.6	1,199
6	Functional imaging and circulating biomarkers of response to regorafenib in treatment-refractory metastatic colorectal cancer patients in a prospective phase II study. <i>Gut</i> , 2018, 67, 1484-1492.	12.1	59
7	Reproducibility of the lung anatomy under active breathing coordinator control: Dosimetric consequences for scanned proton treatments. <i>Medical Physics</i> , 2018, 45, 5525-5534.	3.0	8
8	Extracranial Soft-Tissue Tumors: Repeatability of Apparent Diffusion Coefficient Estimates from Diffusion-weighted MR Imaging. <i>Radiology</i> , 2017, 284, 88-99.	7.3	45
9	T2-Weighted 4D Magnetic Resonance Imaging for Application in Magnetic Resonance-Guided Radiotherapy Treatment Planning. <i>Investigative Radiology</i> , 2017, 52, 563-573.	6.2	29
10	Non-Invasive Prostate Cancer Characterization with Diffusion-Weighted MRI: Insight from In silico Studies of a Transgenic Mouse Model. <i>Frontiers in Oncology</i> , 2017, 7, 290.	2.8	7
11	Development of a temperature-controlled phantom for magnetic resonance quality assurance of diffusion, dynamic, and relaxometry measurements. <i>Medical Physics</i> , 2016, 43, 2998-3007.	3.0	26
12	Diffusion-weighted imaging outside the brain: Consensus statement from an ISMRM-sponsored workshop. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 521-540.	3.4	146
13	A framework for optimization of diffusion-weighted MRI protocols for large field-of-view abdominal-pelvic imaging in multicenter studies. <i>Medical Physics</i> , 2015, 43, 95-110.	3.0	33
14	Computed Diffusion-weighted MR Imaging May Improve Tumor Detection. <i>Radiology</i> , 2011, 261, 573-581.	7.3	148
15	Intravoxel Incoherent Motion in Body Diffusion-Weighted MRI: Reality and Challenges. <i>American Journal of Roentgenology</i> , 2011, 196, 1351-1361.	2.2	469
16	Metastatic Ovarian and Primary Peritoneal Cancer: Assessing Chemotherapy Response with Diffusion-weighted MR Imaging-Value of Histogram Analysis of Apparent Diffusion Coefficients. <i>Radiology</i> , 2011, 261, 182-192.	7.3	211
17	Predicting Response of Colorectal Hepatic Metastasis: Value of Pretreatment Apparent Diffusion Coefficients. <i>American Journal of Roentgenology</i> , 2007, 188, 1001-1008.	2.2	324
18	Microcoils on Structured Silicon Substrates for Magnetic Resonance Detection. <i>IEEE Sensors Journal</i> , 2007, 7, 1362-1369.	4.7	5

#	ARTICLE	IF	CITATIONS
19	Diffusion-Weighted MRI in the Body: Applications and Challenges in Oncology. American Journal of Roentgenology, 2007, 188, 1622-1635.	2.2	1,730