

Daniel O'Connor

List of Publications by Year in descending order

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27
papers

389
citations

759233
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g-index

27
all docs

27
docs citations

27
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast variable density Poisson-disc sample generation with directional variation for compressed sensing in MRI. Magnetic Resonance Imaging, 2021, 77, 186-193.	1.8	11
2	Di-chromatic interpolation of magnetic resonance metabolic images. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 57-72.	2.0	3
3	ROAD: ROtational direct Aperture optimization with a Decoupled ring-collimator for FLASH radiotherapy. Physics in Medicine and Biology, 2021, 66, 035020.	3.0	8
4	Treating Glioblastoma Multiforme (GBM) with super hyperfractionated radiation therapy: Implication of temporal dose fractionation optimization including cancer stem cell dynamics. PLoS ONE, 2021, 16, e0245676.	2.5	8
5	Utilizing the wavelet transform's structure in compressed sensing. Signal, Image and Video Processing, 2021, 15, 1407-1414.	2.7	3
6	On the equivalence of the primal-dual hybrid gradient method and Douglas-Rachford splitting. Mathematical Programming, 2020, 179, 85-108.	2.4	28
7	Multimodality image registration in the head and neck using a deep learning-derived synthetic CT as a bridge. Medical Physics, 2020, 47, 1094-1104.	3.0	28
8	Fraction-variant beam orientation optimization for intensity-modulated proton therapy. Medical Physics, 2020, 47, 3826-3834.	3.0	3
9	A sparse orthogonal collimator for small animal intensity-modulated radiation therapy part I: Planning system development and commissioning. Medical Physics, 2019, 46, 5703-5713.	3.0	7
10	Automated 4D radiotherapy treatment planning with evolving knowledge base. Medical Physics, 2019, 46, 3833-3843.	3.0	7
11	Motion Compensated Dynamic MRI Reconstruction With Local Affine Optical Flow Estimation. IEEE Transactions on Biomedical Engineering, 2019, 66, 3050-3059.	4.2	17
12	Robust optimization for intensity-modulated proton therapy with soft spot sensitivity regularization. Medical Physics, 2019, 46, 1408-1425.	3.0	13
13	Image-domain multimaterial decomposition for dual-energy computed tomography with nonconvex sparsity regularization. Journal of Medical Imaging, 2019, 6, 1.	1.5	6
14	VMAT optimization with dynamic collimator rotation. Medical Physics, 2018, 45, 2399-2410.	3.0	15
15	Technical Note: Iterative megavoltage CT (MVCT) reconstruction using block-matching 3D-transform () Tj ETQg1 1 0.784314 rgB	3.0	10
16	Integrated beam orientation and scanning-spot optimization in intensity-modulated proton therapy for brain and unilateral head and neck tumors. Medical Physics, 2018, 45, 1338-1350.	3.0	45
17	Fraction-variant beam orientation optimization for non-coplanar IMRT. Physics in Medicine and Biology, 2018, 63, 045015.	3.0	17
18	A novel optimization framework for VMAT with dynamic gantry couch rotation. Physics in Medicine and Biology, 2018, 63, 125013.	3.0	25

#	ARTICLE	IF	CITATIONS
19	Coupling reconstruction and motion estimation for dynamic MRI through optical flow constraint. , 2018, , .		2
20	Total variation image deblurring with space-varying kernel. Computational Optimization and Applications, 2017, 67, 521-541.	1.6	7
21	Deterministic direct aperture optimization using multiphase piecewise constant segmentation. Medical Physics, 2017, 44, 5596-5609.	3.0	12
22	A comprehensive formulation for volumetric modulated arc therapy planning. Medical Physics, 2016, 43, 4263-4272.	3.0	17
23	Computerized triplet beam orientation optimization for MRI-guided Co ⁶⁰ radiotherapy. Medical Physics, 2016, 43, 5667-5675.	3.0	14
24	A novel software and conceptual design of the hardware platform for intensity modulated radiation therapy. Medical Physics, 2016, 43, 917-929.	3.0	14
25	Dose domain regularization of MLC leaf patterns for highly complex IMRT plans. Medical Physics, 2015, 42, 1858-1870.	3.0	23
26	Primal-Dual Decomposition by Operator Splitting and Applications to Image Deblurring. SIAM Journal on Imaging Sciences, 2014, 7, 1724-1754.	2.2	46
27	A pharmacogenomic study on the polymorphic gene response to risperidone in schizophrenia patients. , 2008, , .		0