

# Daniel O'Connor

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

389  
citations

758635

12  
h-index

794141

19  
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. <i>Magnetic Resonance Imaging</i> , 2021, 77, 186-193.	1.0	11
2	Di-chromatic interpolation of magnetic resonance metabolic images. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 57-72.	1.1	3
3	ROAD: ROtational direct Aperture optimization with a Decoupled ring-collimator for FLASH radiotherapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 035020.	1.6	8
4	Treating Glioblastoma Multiforme (GBM) with super hyperfractionated radiation therapy: Implication of temporal dose fractionation optimization including cancer stem cell dynamics. <i>PLoS ONE</i> , 2021, 16, e0245676.	1.1	8
5	Utilizing the wavelet transform's structure in compressed sensing. <i>Signal, Image and Video Processing</i> , 2021, 15, 1407-1414.	1.7	3
6	On the equivalence of the primal-dual hybrid gradient method and Douglas-Rachford splitting. <i>Mathematical Programming</i> , 2020, 179, 85-108.	1.6	28
7	Multimodality image registration in the head and neck using a deep learning-derived synthetic CT as a bridge. <i>Medical Physics</i> , 2020, 47, 1094-1104.	1.6	28
8	Fraction-variant beam orientation optimization for intensity-modulated proton therapy. <i>Medical Physics</i> , 2020, 47, 3826-3834.	1.6	3
9	A sparse orthogonal collimator for small animal intensity-modulated radiation therapy part I: Planning system development and commissioning. <i>Medical Physics</i> , 2019, 46, 5703-5713.	1.6	7
10	Automated 4D radiotherapy treatment planning with evolving knowledge base. <i>Medical Physics</i> , 2019, 46, 3833-3843.	1.6	7
11	Motion Compensated Dynamic MRI Reconstruction With Local Affine Optical Flow Estimation. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 3050-3059.	2.5	17
12	Robust optimization for intensity-modulated proton therapy with soft spot sensitivity regularization. <i>Medical Physics</i> , 2019, 46, 1408-1425.	1.6	13
13	Image-domain multimaterial decomposition for dual-energy computed tomography with nonconvex sparsity regularization. <i>Journal of Medical Imaging</i> , 2019, 6, 1.	0.8	6
14	VMAT optimization with dynamic collimator rotation. <i>Medical Physics</i> , 2018, 45, 2399-2410.	1.6	15
15	Technical Note: Iterative megavoltage CT ( MVCT ) reconstruction using block-matching 3D-transform ( ) Tj ETQ <sub>1</sub> 1 0.784314 rgB <sub>10</sub>	1.6	10
16	Integrated beam orientation and scanning-spot optimization in intensity-modulated proton therapy for brain and unilateral head and neck tumors. <i>Medical Physics</i> , 2018, 45, 1338-1350.	1.6	45
17	Fraction-variant beam orientation optimization for non-coplanar IMRT. <i>Physics in Medicine and Biology</i> , 2018, 63, 045015.	1.6	17
18	A novel optimization framework for VMAT with dynamic gantry couch rotation. <i>Physics in Medicine and Biology</i> , 2018, 63, 125013.	1.6	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.	0.9	7
21	Deterministic direct aperture optimization using multiphase piecewise constant segmentation. Medical Physics, 2017, 44, 5596-5609.	1.6	12
22	A comprehensive formulation for volumetric modulated arc therapy planning. Medical Physics, 2016, 43, 4263-4272.	1.6	17
23	Computerized triplet beam orientation optimization for MRI-guided Co <sup>60</sup> radiotherapy. Medical Physics, 2016, 43, 5667-5675.	1.6	14
24	A novel software and conceptual design of the hardware platform for intensity modulated radiation therapy. Medical Physics, 2016, 43, 917-929.	1.6	14
25	Dose domain regularization of MLC leaf patterns for highly complex IMRT plans. Medical Physics, 2015, 42, 1858-1870.	1.6	23
26	Primal-Dual Decomposition by Operator Splitting and Applications to Image Deblurring. SIAM Journal on Imaging Sciences, 2014, 7, 1724-1754.	1.3	46
27	A pharmacogenomic study on the polymorphic gene response to risperidone in schizophrenia patients. , 2008, , .		0