

Daniel O'Connor

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1138465/publications.pdf>

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	Primal-Dual Decomposition by Operator Splitting and Applications to Image Deblurring. SIAM Journal on Imaging Sciences, 2014, 7, 1724-1754.	1.3	46
2	Integrated beam orientation and scanningâ€spot optimization in intensityâ€modulated proton therapy for brain and unilateral head and neck tumors. Medical Physics, 2018, 45, 1338-1350.	1.6	45
3	On the equivalence of the primal-dual hybrid gradient method and Douglasâ€Rachford splitting. Mathematical Programming, 2020, 179, 85-108.	1.6	28
4	Multimodality image registration in the headâ€andâ€neck using a deep learningâ€derived synthetic CT as a bridge. Medical Physics, 2020, 47, 1094-1104.	1.6	28
5	A novel optimization framework for VMAT with dynamic gantry couch rotation. Physics in Medicine and Biology, 2018, 63, 125013.	1.6	25
6	Dose domain regularization of MLC leaf patterns for highly complex IMRT plans. Medical Physics, 2015, 42, 1858-1870.	1.6	23
7	A comprehensive formulation for volumetric modulated arc therapy planning. Medical Physics, 2016, 43, 4263-4272.	1.6	17
8	Fraction-variant beam orientation optimization for non-coplanar IMRT. Physics in Medicine and Biology, 2018, 63, 045015.	1.6	17
9	Motion Compensated Dynamic MRI Reconstruction With Local Affine Optical Flow Estimation. IEEE Transactions on Biomedical Engineering, 2019, 66, 3050-3059.	2.5	17
10	<sc>VMAT</sc> optimization with dynamic collimator rotation. Medical Physics, 2018, 45, 2399-2410.	1.6	15
11	Computerized triplet beam orientation optimization for MRIâ€guided Coâ€60 radiotherapy. Medical Physics, 2016, 43, 5667-5675.	1.6	14
12	A novel software and conceptual design of the hardware platform for intensity modulated radiation therapy. Medical Physics, 2016, 43, 917-929.	1.6	14
13	Robust optimization for intensityâ€modulated proton therapy with soft spot sensitivity regularization. Medical Physics, 2019, 46, 1408-1425.	1.6	13
14	Deterministic direct aperture optimization using multiphase piecewise constant segmentation. Medical Physics, 2017, 44, 5596-5609.	1.6	12
15	Fast variable density Poisson-disc sample generation with directional variation for compressed sensing in MRI. Magnetic Resonance Imaging, 2021, 77, 186-193.	1.0	11
16	Technical Note: Iterative megavoltage CT (MVCT) reconstruction using blockâ€matching 3Dâ€transform () Tj ETQo 0 0 rgBT /Overlo	1.6	10
17	ROAD: ROtational direct Aperture optimization with a Decoupled ring-collimator for FLASH radiotherapy. Physics in Medicine and Biology, 2021, 66, 035020.	1.6	8
18	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.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Total variation image deblurring with space-varying kernel. Computational Optimization and Applications, 2017, 67, 521-541.	0.9	7
20	A sparse orthogonal collimator for small animal intensityâ€modulated radiation therapy part I: Planning system development and commissioning. Medical Physics, 2019, 46, 5703-5713.	1.6	7
21	Automated 4â€radiotherapy treatment planning with evolving knowledgeâ€base. Medical Physics, 2019, 46, 3833-3843.	1.6	7
22	Image-domain multimaterial decomposition for dual-energy computed tomography with nonconvex sparsity regularization. Journal of Medical Imaging, 2019, 6, 1.	0.8	6
23	Fractionâ€variant beam orientation optimization for intensityâ€modulated proton therapy. Medical Physics, 2020, 47, 3826-3834.	1.6	3
24	Di-chromatic interpolation of magnetic resonance metabolic images. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 57-72.	1.1	3
25	Utilizing the wavelet transformâ€TM's structure in compressed sensing. Signal, Image and Video Processing, 2021, 15, 1407-1414.	1.7	3
26	Coupling reconstruction and motion estimation for dynamic MRI through optical flow constraint. , 2018, , .		2
27	A pharmacogenomic study on the polymorphic gene response to risperidone in schizophrenia patients. , 2008, , .		0