

Masoud Zarepisheh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Automated and Clinically Optimal Treatment Planning for Cancer Radiotherapy. <i>INFORMS Journal on Applied Analytics</i> , 2022, 52, 69-89.	1.1	6
2	Solving the volumetric modulated arc therapy (VMAT) problem using a sequential convex programming method. <i>Physics in Medicine and Biology</i> , 2021, 66, 085004.	3.0	3
3	Deep learning auto-segmentation and automated treatment planning for trismus risk reduction in head and neck cancer radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 19, 96-101.	2.9	11
4	Clinical Experience of Automated SBRT Paraspinal and Other Metastatic Tumor Planning With Constrained Hierarchical Optimization. <i>Advances in Radiation Oncology</i> , 2020, 5, 1042-1050.	1.2	5
5	Integrating soft and hard dose-volume constraints into hierarchical constrained IMRT optimization. <i>Medical Physics</i> , 2020, 47, 414-421.	3.0	11
6	Automated proton treatment planning with robust optimization using constrained hierarchical optimization. <i>Medical Physics</i> , 2020, 47, 2779-2790.	3.0	8
7	Automating proton treatment planning with beam angle selection using Bayesian optimization. <i>Medical Physics</i> , 2020, 47, 3286-3296.	3.0	21
8	Inverse optimization for multi-objective linear programming. <i>Optimization Letters</i> , 2019, 13, 281-294.	1.6	11
9	Automated intensity modulated treatment planning: The expedited constrained hierarchical optimization (ECHO) system. <i>Medical Physics</i> , 2019, 46, 2944-2954.	3.0	33
10	A computation study on an integrated alternating direction method of multipliers for large scale optimization. <i>Optimization Letters</i> , 2018, 12, 3-15.	1.6	3
11	An equivalent transformation of multi-objective optimization problems. <i>Annals of Operations Research</i> , 2017, 249, 5-15.	4.1	10
12	An Automated Treatment Plan Quality Control Tool for Intensity-Modulated Radiation Therapy Using a Voxel-Weighting Factor-Based Re-Optimization Algorithm. <i>PLoS ONE</i> , 2016, 11, e0149273.	2.5	9
13	Simultaneous beam sampling and aperture shape optimization for SPORT. <i>Medical Physics</i> , 2015, 42, 1012-1022.	3.0	15
14	Dosimetric benefit of adaptive re-planning in pancreatic cancer stereotactic body radiotherapy. <i>Medical Dosimetry</i> , 2015, 40, 318-324.	0.9	30
15	A DVH-guided IMRT optimization algorithm for automatic treatment planning and adaptive radiotherapy replanning. <i>Medical Physics</i> , 2014, 41, 061711.	3.0	89
16	A multicriteria framework with voxel-dependent parameters for radiotherapy treatment plan optimization. <i>Medical Physics</i> , 2014, 41, 041705.	3.0	26