Azar Sadeghnejad Barkousaraie

List of Publications by Year
in descending order

15	316	1039406 9	1058022 14
papers	citations	h-index	g-index

16	16	16	313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new hybrid multi-objective Pareto archive PSO algorithm for a bi-objective job shop scheduling problem. Expert Systems With Applications, 2011, 38, 10812-10821.	4.4	100
2	Incorporating human and learned domain knowledge into training deep neural networks: A differentiable doseâ€volume histogram and adversarial inspired framework for generating Pareto optimal dose distributions in radiation therapy. Medical Physics, 2020, 47, 837-849.	1.6	40
3	Solving a multi-objective job shop scheduling problem with sequence-dependent setup times by a Pareto archive PSO combined with genetic operators and VNS. International Journal of Advanced Manufacturing Technology, 2011, 53, 733-750.	1.5	37
4	A deep learning-based framework for segmenting invisible clinical target volumes with estimated uncertainties for post-operative prostate cancer radiotherapy. Medical Image Analysis, 2021, 72, 102101.	7.0	32
5	A comparison of Monte Carlo dropout and bootstrap aggregation on the performance and uncertainty estimation in radiation therapy dose prediction with deep learning neural networks. Physics in Medicine and Biology, 2021, 66, 054002.	1.6	23
6	A fast deep learning approach for beam orientation optimization for prostate cancer treated with intensityâ€modulated radiation therapy. Medical Physics, 2020, 47, 880-897.	1.6	18
7	Using deep learning to predict beamâ€tunable Pareto optimal dose distribution for intensityâ€modulated radiation therapy. Medical Physics, 2020, 47, 3898-3912.	1.6	16
8	Generating Pareto Optimal Dose Distributions for Radiation Therapy Treatment Planning. Lecture Notes in Computer Science, 2019, , 59-67.	1.0	13
9	A DIFFERENTIAL EVOLUTION ALGORITHM DEVELOPED FOR A NURSE SCHEDULING PROBLEM. South African Journal of Industrial Engineering, 2012, 23, 68.	0.2	11
10	Siteâ€agnostic 3D dose distribution prediction with deep learning neural networks. Medical Physics, 2022, 49, 1391-1406.	1.6	10
11	A reinforcement learning application of a guided Monte Carlo Tree Search algorithm for beam orientation selection in radiation therapy. Machine Learning: Science and Technology, 2021, 2, 035013.	2.4	6
12	Convoy movement problem: a civilian perspective. Journal of the Operational Research Society, 2017, 68, 14-33.	2.1	4
13	Shortest paths for routing information over temporally dynamic communication networks. , 2017, , .		3
14	Using Supervised Learning and Guided Monte Carlo Tree Search for Beam Orientation Optimization in Radiation Therapy. Lecture Notes in Computer Science, 2019, , 1-9.	1.0	1
15	Minimizing Time Delay of Information Routed Across Dynamic Temporal Sensor Networks. Advances in Science, Technology and Engineering Systems, 2018, 3, 327-340.	0.4	0