Bruno De Man

List of Publications by Year
in descending order

12 papers	1,256 citations	1163117 8 h-index	1474206 9 g-index
12 all docs	12 docs citations	12 times ranked	1327 citing authors

#	Article	IF	Citations
1	Iterative reconstruction for helical CT: a simulation study. Physics in Medicine and Biology, 1998, 43, 729-737.	3.0	255
2	Deep learning for tomographic image reconstruction. Nature Machine Intelligence, 2020, 2, 737-748.	16.0	233
3	An outlook on xâ€ray CT research and development. Medical Physics, 2008, 35, 1051-1064.	3.0	218
4	Metal Artifact Reduction in CT: Where Are We After Four Decades?. IEEE Access, 2016, 4, 5826-5849.	4.2	164
5	Modelling the physics in the iterative reconstruction for transmission computed tomography. Physics in Medicine and Biology, 2013, 58, R63-R96.	3.0	163
6	Metal artifacts in computed tomography for radiation therapy planning: dosimetric effects and impact of metal artifact reduction. Physics in Medicine and Biology, 2017, 62, R49-R80.	3.0	104
7	A dual-stream deep convolutional network for reducing metal streak artifacts in CT images. Physics in Medicine and Biology, 2019, 64, 235003.	3.0	41
8	Deep learning methods for CT image-domain metal artifact reduction. , 2017, , .		40
9	A twoâ€dimensional feasibility study of deep learningâ€based feature detection and characterization directly from CT sinograms. Medical Physics, 2019, 46, e790-e800.	3.0	16
10	A hierarchical approach to deep learning and its application to tomographic reconstruction. , 2019, , .		12
11	Design and characterization of electron beam focusing for X-ray generation in novel medical imaging architecture. Physics of Plasmas, 2014, 21, 056702.	1.9	7
12	Metal artifact reduction for radiation therapy: a simulation study. , 2018, , .		3