Michael Roberts

List of Publications by Citations

9 papers	277 citations	6 h-index	12 g-index
12 ext. papers	567 ext. citations	8.6 avg, IF	3.71 L-index

#	Paper	IF	Citations
9	Common pitfalls and recommendations for using machine learning to detect and prognosticate for COVID-19 using chest radiographs and CT scans. *Nature Machine Intelligence*, **2021**, 3, 199-217	22.5	200
8	A deep-learning pipeline for the diagnosis and discrimination of viral, non-viral and COVID-19 pneumonia from chest X-ray images. *Nature Biomedical Engineering*, **2021**, 5, 509-521	19	25
7	A Convex Geodesic Selective Model for Image Segmentation. *Journal of Mathematical Imaging and Vision*, **2019**, 61, 482-503	1.6	15
6	Chan-Vese Reformulation for Selective Image Segmentation. *Journal of Mathematical Imaging and Vision*, **2019**, 61, 1173-1196	1.6	7
5	Assessing robustness of carotid artery CT angiography radiomics in the identification of culprit lesions in cerebrovascular events. *Scientific Reports*, **2021**, 11, 3499	4.9	7
4	Multigrid algorithm based on hybrid smoothers for variational and selective segmentation models. *International Journal of Computer Mathematics*, **2019**, 96, 1623-1647	1.2	3
3	Advancing COVID-19 diagnosis with privacy-preserving collaboration in artificial intelligence. *Nature Machine Intelligence*, **2021**, 3, 1081-1089	22.5	3
2	Comparative performance of fully-automated and semi-automated artificial intelligence methods for the detection of clinically significant prostate cancer on MRI: a systematic review.. *Insights Into Imaging*, **2022**, 13, 59	5.6	3
1	On an effective multigrid solver for solving a class of variational problems with application to image segmentation. *International Journal of Computer Mathematics*, **2020**, 97, 2015-2035	1.2	1