Ahmed M Alaa

List of Publications by Year
in descending order

15 papers	760 citations	840776 11 h-index	1058476 14 g-index
17 all docs	17 docs citations	17 times ranked	1077 citing authors

#	Article	IF	Citations
1	Cardiovascular disease risk prediction using automated machine learning: A prospective study of 423,604 UK Biobank participants. PLoS ONE, 2019, 14, e0213653.	2.5	301
2	How artificial intelligence and machine learning can help healthcare systems respond to COVID-19. Machine Learning, 2021, 110, 1-14.	5.4	102
3	From Real‑World Patient Data to Individualized Treatment Effects Using Machine Learning: Current and Future Methods to Address Underlying Challenges. Clinical Pharmacology and Therapeutics, 2021, 109, 87-100.	4.7	86
4	Application of a novel machine learning framework for predicting non-metastatic prostate cancer-specific mortality in men using the Surveillance, Epidemiology, and End Results (SEER) database. The Lancet Digital Health, 2021, 3, e158-e165.	12.3	56
5	Prognostication and Risk Factors for Cystic Fibrosis via Automated Machine Learning. Scientific Reports, 2018, 8, 11242.	3.3	47
6	Between-centre differences for COVID-19 ICU mortality from early data in England. Intensive Care Medicine, 2020, 46, 1779-1780.	8.2	41
7	Personalized Risk Scoring for Critical Care Prognosis Using Mixtures of Gaussian Processes. IEEE Transactions on Biomedical Engineering, 2018, 65, 207-218.	4.2	38
8	CPAS: the UK's national machine learning-based hospital capacity planning system for COVID-19. Machine Learning, 2021, 110, 15-35.	5.4	23
9	Machine learning to guide the use of adjuvant therapies for breast cancer. Nature Machine Intelligence, 2021, 3, 716-726.	16.0	21
10	Bayesian Nonparametric Causal Inference: Information Rates and Learning Algorithms. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1031-1046.	10.8	12
11	A Micro-Foundation of Social Capital in Evolving Social Networks. IEEE Transactions on Network Science and Engineering, 2018, 5, 14-31.	6.4	11
12	Achievable Degrees of Freedom of the <inline-formula> <tex-math notation="LaTeX">K</tex-math> </inline-formula>-User SISO Interference Channel With Blind Interference Alignment Using Staggered Antenna Switching. IEEE Transactions on Vehicular Technology, 2017, 66, 2825-2829.	6.3	8
13	The Value of Patient and Tumor Factors in Predicting Preoperative Breast MRI Outcomes. Radiology Imaging Cancer, 2020, 2, e190099.	1.6	6
14	Opportunistic Beamforming Using Dumb Basis Patterns in Cognitive Multiple Access Channels. IEEE Transactions on Vehicular Technology, 2018, 67, 1417-1427.	6.3	2
15	Defeating the Eavesdropper: On the Achievable Secrecy Capacity Using Reconfigurable Antennas. Wireless Personal Communications, 2016, 91, 729-738.	2.7	0