Marzyeh Ghassemi

List of Publications by Year
in descending order

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52 papers	3,768 citations	218677 26 h-index	223800 46 g-index
62 all docs	62 docs citations	62 times ranked	3605 citing authors

#	Article	IF	Citations
1	Automatic Localization and Brand Detection of Cervical Spine Hardware on Radiographs Using Weakly Supervised Machine Learning. Radiology: Artificial Intelligence, 2022, 4, e210099.	5.8	3
2	In medicine, how do we machine learn anything real?. Patterns, 2022, 3, 100392.	5.9	16
3	Outcomes in patients with and without disability admitted to hospital with COVID-19: a retrospective cohort study. Cmaj, 2022, 194, E112-E121.	2.0	15
4	A comparison of approaches to improve worst-case predictive model performance over patient subpopulations. Scientific Reports, 2022, 12, 3254.	3.3	8
5	Better Understanding of the Metamorphosis of Pregnancy (BUMP): protocol for a digital feasibility study in women from preconception to postpartum. Npj Digital Medicine, 2022, 5, 40.	10.9	4
6	The medical algorithmic audit. The Lancet Digital Health, 2022, 4, e384-e397.	12.3	85
7	Predicting hospitalisations related to ambulatory care sensitive conditions with machine learning for population health planning: derivation and validation cohort study. BMJ Open, 2022, 12, e051403.	1.9	2
8	Machine learning and health need better values. Npj Digital Medicine, 2022, 5, 51.	10.9	8
9	AI recognition of patient race in medical imaging: a modelling study. The Lancet Digital Health, 2022, 4, e406-e414.	12.3	141
10	Reply to: â€˜Potential sources of dataset bias complicate investigation of underdiagnosis by machine learning algorithmsâ€™ and â€˜Confounding factors need to be accounted for in assessing bias by machine learning algorithmsâ€™. Nature Medicine, 2022, 28, 1161-1162.	30.7	3
11	Five principles for the intelligent use of AI in medical imaging. Intensive Care Medicine, 2021, 47, 154-156.	8.2	7
12	Do as AI say: susceptibility in deployment of clinical decision-aids. Npj Digital Medicine, 2021, 4, 31.	10.9	162
13	Characteristics and outcomes of hospital admissions for COVID-19 and influenza in the Toronto area. Cmaj, 2021, 193, E410-E418.	2.0	66
14	What Every Reader Should Know About Studies Using Electronic Health Record Data but May Be Afraid to Ask. Journal of Medical Internet Research, 2021, 23, e22219.	4.3	61
15	Reproducibility in machine learning for health research: Still a ways to go. Science Translational Medicine, 2021, 13, .	12.4	119
16	An empirical framework for domain generalization in clinical settings. , 2021, , .		18
17	Equity in essence: a call for operationalising fairness in machine learning for healthcare. BMJ Health and Care Informatics, 2021, 28, e100289.	3.0	54
18	Ethical Machine Learning in Healthcare. Annual Review of Biomedical Data Science, 2021, 4, 123-144.	6.5	154

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19	Problems in the deployment of machine-learned models in health care. Cmaj, 2021, 193, E1391-E1394.	2.0	28
20	A quality assessment tool for artificial intelligence-centered diagnostic test accuracy studies: QUADAS-AI. Nature Medicine, 2021, 27, 1663-1665.	30.7	76
21	The false hope of current approaches to explainable artificial intelligence in health care. The Lancet Digital Health, 2021, 3, e745-e750.	12.3	415
22	Pulling Up by the Causal Bootstraps. , 2021, , .		1
23	An Alternative to the Light Touch Digital Health Remote Study: The Stress and Recovery in Frontline COVID-19 Health Care Workers Study. JMIR Formative Research, 2021, 5, e32165.	1.4	11
24	Visualization of Deep Models on Nursing Notes and Physiological Data for Predicting Health Outcomes Through Temporal Sliding Windows. Studies in Computational Intelligence, 2021, , 115-129.	0.9	1
25	CheXclusion: Fairness gaps in deep chest X-ray classifiers. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2021, 26, 232-243.	0.7	14
26	Underdiagnosis bias of artificial intelligence algorithms applied to chest radiographs in under-served patient populations. Nature Medicine, 2021, 27, 2176-2182.	30.7	202
27	Treating health disparities with artificial intelligence. Nature Medicine, 2020, 26, 16-17.	30.7	73
28	Challenges to the Reproducibility of Machine Learning Models in Health Care. JAMA - Journal of the American Medical Association, 2020, 323, 305.	7.4	174
29	Ensuring machine learning for healthcare works for all. BMJ Health and Care Informatics, 2020, 27, e100237.	3.0	15
30	CheXclusion: Fairness gaps in deep chest X-ray classifiers. , 2020, , .		94
31	Hurtful words. , 2020, , .		55
32	MIMIC-Extract. , 2020, , .		59
33	Predicting COVID-19 Pneumonia Severity on Chest X-ray With Deep Learning. Cureus, 2020, 12, e9448.	0.5	159
34	Do no harm: a roadmap for responsible machine learning for health care. Nature Medicine, 2019, 25, 1337-1340.	30.7	451
35	Practical guidance on artificial intelligence for health-care data. The Lancet Digital Health, 2019, 1, e157-e159.	12.3	51
36	Can AI Help Reduce Disparities in General Medical and Mental Health Care?. AMA Journal of Ethics, 2019, 21, E167-179.	0.7	182

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37	The PLOS ONE collection on machine learning in health and biomedicine: Towards open code and open data. PLoS ONE, 2019, 14, e0210232.	2.5	27
38	Ambulatory assessment of phonotraumatic vocal hyperfunction using glottal airflow measures estimated from neck-surface acceleration. PLoS ONE, 2018, 13, e0209017.	2.5	34
39	Understanding vasopressor intervention and weaning: risk prediction in a public heterogeneous clinical time series database. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 488-495.	4.4	33
40	Predicting intervention onset in the ICU with switching state space models. AMIA Summits on Translational Science Proceedings, 2017, 2017, 82-91.	0.4	13
41	Prediction using patient comparison vs. modeling: A case study for mortality prediction. , 2016, 2016, 2464-2467.		16
42	Predicting early psychiatric readmission with natural language processing of narrative discharge summaries. Translational Psychiatry, 2016, 6, e921-e921.	4.8	126
43	Uncovering Voice Misuse Using Symbolic Mismatch.. JMLR Workshop and Conference Proceedings, 2016, 56, 239-252.	1.4	0
44	Using Ambulatory Voice Monitoring to Investigate Common Voice Disorders: Research Update. Frontiers in Bioengineering and Biotechnology, 2015, 3, 155.	4.1	99
45	State of the art review: the data revolution in critical care. Critical Care, 2015, 19, 118.	5.8	94
46	State of the Art Review: The Data Revolution in Critical Care. Annual Update in Intensive Care and Emergency Medicine, 2015, , 573-586.	0.2	2
47	Short-Term Mortality Prediction for Elderly Patients Using Medicare Claims Data. International Journal of Machine Learning and Computing, 2015, 5, 192-197.	0.6	45
48	A Multivariate Timeseries Modeling Approach to Severity of Illness Assessment and Forecasting in ICU with Sparse, Heterogeneous Clinical Data. Proceedings of the AAAI Conference on Artificial Intelligence, 2015, 2015, 446-453.	4.9	27
49	Long-Term Outcomes of Minor Troponin Elevations in the Intensive Care Unit. Anaesthesia and Intensive Care, 2014, 42, 356-364.	0.7	5
50	Unfolding physiological state. , 2014, 2014, 75-84.		123
51	Leveraging a Critical Care Database. Chest, 2014, 145, 745-752.	0.8	37
52	Making Big Data Useful for Health Care: A Summary of the Inaugural MIT Critical Data Conference. JMIR Medical Informatics, 2014, 2, e22.	2.6	70