Brett K Beaulieu-Jones

List of Publications by Citations

28 papers	1,413 citations	13 h-index	36 g-index
36 ext. papers	2,061 ext. citations	8.8 avg, IF	4.53 L-index

#	Paper	IF	Citations
28	Opportunities and obstacles for deep learning in biology and medicine. *Journal of the Royal Society Interface*, **2018**, 15,	4.1	780
27	Semi-supervised learning of the electronic health record for phenotype stratification. *Journal of Biomedical Informatics*, **2016**, 64, 168-178	10.2	92
26	Privacy-Preserving Generative Deep Neural Networks Support Clinical Data Sharing. *Circulation: Cardiovascular Quality and Outcomes*, **2019**, 12, e005122	5.8	79
25	Reproducibility of computational workflows is automated using continuous analysis. *Nature Biotechnology*, **2017**, 35, 342-346	44.5	73
24	International electronic health record-derived COVID-19 clinical course profiles: the 4CE consortium. *Npj Digital Medicine*, **2020**, 3, 109	15.7	61
23	Characterizing and Managing Missing Structured Data in Electronic Health Records: Data Analysis. *JMIR Medical Informatics*, **2018**, 6, e11	3.6	55
22	MISSING DATA IMPUTATION IN THE ELECTRONIC HEALTH RECORD USING DEEPLY LEARNED AUTOENCODERS. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2017**, 22, 207-218	1.3	54
21	Opportunities and obstacles for deep learning in biology and medicine		45
20	Examining the Use of Real-World Evidence in the Regulatory Process. *Clinical Pharmacology and Therapeutics*, **2020**, 107, 843-852	6.1	29
19	Privacy-preserving generative deep neural networks support clinical data sharing		23
18	Machine learning for patient risk stratification: standing on, or looking over, the shoulders of clinicians?. *Npj Digital Medicine*, **2021**, 4, 62	15.7	15
17	Validation of an internationally derived patient severity phenotype to support COVID-19 analytics from electronic health record data. *Journal of the American Medical Informatics Association: JAMIA*, **2021**, 28, 1411-1420	8.6	15
16	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	7.6	13
15	International Analysis of Electronic Health Records of Children and Youth Hospitalized With COVID-19 Infection in 6 Countries. *JAMA Network Open*, **2021**, 4, e2112596	10.4	12
14	Mapping Patient Trajectories using Longitudinal Extraction and Deep Learning in the MIMIC-III Critical Care Database. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2018**, 23, 123-132	1.3	11
13	International Electronic Health Record-Derived COVID-19 Clinical Course Profiles: The 4CE Consortium		9
12	International Comparisons of Harmonized Laboratory Value Trajectories to Predict Severe COVID-19: Leveraging the 4CE Collaborative Across 342 Hospitals and 6 Countries: A Retrospective Cohort Study **2021**,		9

List of Publications

11	Temporal bias in case-control design: preventing reliable predictions of the future. *Nature Communications*, **2021**, 12, 1107	17.4	8
10	Validation of a Derived International Patient Severity Algorithm to Support COVID-19 Analytics from Electronic Health Record Data		5
9	Learning Contextual Hierarchical Structure of Medical Concepts with Poincair Embeddings to Clarify Phenotypes. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2019**, 24, 8-17	1.3	4
8	Mapping Patient Trajectories using Longitudinal Extraction and Deep Learning in the MIMIC-III Critical Care Database		4
7	Mapping Patient Trajectories using Longitudinal Extraction and Deep Learning in the MIMIC-III Critical Care Database **2018**,		4
6	Multinational characterization of neurological phenotypes in patients hospitalized with COVID-19. *Scientific Reports*, **2021**, 11, 20238	4.9	3
5	Multinational Prevalence of Neurological Phenotypes in Patients Hospitalized with COVID-19 **2021**,		3
4	Reproducible Computational Workflows with Continuous Analysis		2
3	Semi-Supervised Learning of the Electronic Health Record for Phenotype Stratification		1
2	Characterizing and Managing Missing Structured Data in Electronic Health Records: Data Analysis (Preprint)		1
1	Illustrating potential effects of alternate control populations on real-world evidence-based statistical analyses. *JAMIA Open*, **2021**, 4, ooab045	2.9	