

# Mary Regina Boland

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

844  
citations

516710  
16  
h-index

526287  
27  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Birth month affects lifetime disease risk: a phenome-wide method. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 1042-1053.	4.4	106
2	Learning from electronic health records across multiple sites: A communication-efficient and privacy-preserving distributed algorithm. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 376-385.	4.4	61
3	Defining a comprehensive verotype using electronic health records for personalized medicine. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, e232-e238.	4.4	59
4	Discovering medical conditions associated with periodontitis using linked electronic health records. Journal of Clinical Periodontology, 2013, 40, 474-482.	4.9	48
5	Learning from local to global: An efficient distributed algorithm for modeling time-to-event data. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1028-1036.	4.4	46
6	Systems biology approaches for identifying adverse drug reactions and elucidating their underlying biological mechanisms. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2016, 8, 104-122.	6.6	42
7	The digital revolution in phenotyping. Briefings in Bioinformatics, 2016, 17, 819-830.	6.5	41
8	Towards deep phenotyping pregnancy: a systematic review on artificial intelligence and machine learning methods to improve pregnancy outcomes. Briefings in Bioinformatics, 2021, 22, .	6.5	36
9	A Systematic Literature Review of Factors Affecting the Timing of Menarche: The Potential for Climate Change to Impact Women's Health. International Journal of Environmental Research and Public Health, 2020, 17, 1703.	2.6	34
10	Uncovering exposures responsible for birth season " disease effects: a global study. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 275-288.	4.4	33
11	Ten Simple Rules to Enable Multi-site Collaborations through Data Sharing. PLoS Computational Biology, 2017, 13, e1005278.	3.2	29
12	Preparing next-generation scientists for biomedical big data: artificial intelligence approaches. Personalized Medicine, 2019, 16, 247-257.	1.5	28
13	Development of A Machine Learning Algorithm to Classify Drugs Of Unknown Fetal Effect. Scientific Reports, 2017, 7, 12839.	3.3	27
14	Enabling pregnant women and their physicians to make informed medication decisions using artificial intelligence. Journal of Pharmacokinetics and Pharmacodynamics, 2020, 47, 305-318.	1.8	27
15	Postpartum complications increased in women with polycystic ovary syndrome. American Journal of Obstetrics and Gynecology, 2021, 224, 280.e1-280.e13.	1.3	21
16	Ideas for how informaticians can get involved with COVID-19 research. BioData Mining, 2020, 13, 3.	4.0	20
17	Biomedical informatics advancing the national health agenda: the AMIA 2015 year-in-review in clinical and consumer informatics. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, e185-e190.	4.4	18
18	EliXR-TIME: A Temporal Knowledge Representation for Clinical Research Eligibility Criteria. AMIA Summits on Translational Science Proceedings, 2012, 2012, 71-80.	0.4	17

#	ARTICLE	IF	CITATIONS
19	Replicating Cardiovascular Condition-Birth Month Associations. Scientific Reports, 2016, 6, 33166.	3.3	16
20	Individual-Level and Neighborhood-Level Risk Factors for Severe Maternal Morbidity. Obstetrics and Gynecology, 2021, 137, 847-854.	2.4	14
21	Development and evaluation of MADDIE: Method to Acquire Delivery Date Information from Electronic health records. International Journal of Medical Informatics, 2021, 145, 104339.	3.3	13
22	ODAL: A one-shot distributed algorithm to perform logistic regressions on electronic health records data from multiple clinical sites. , 2018, , .		13
23	Disease associations depend on visit type: results from a visit-wide association study. BioData Mining, 2019, 12, 15.	4.0	12
24	Climate Classification is an Important Factor in Assessing Quality-of-Care Across Hospitals. Scientific Reports, 2017, 7, 4948.	3.3	11
25	Female Reproductive Performance and Maternal Birth Month: A Comprehensive Meta-Analysis Exploring Multiple Seasonal Mechanisms. Scientific Reports, 2020, 10, 555.	3.3	11
26	Cardiovascular Disease Risk Varies by Birth Month in Canines. Scientific Reports, 2018, 8, 7130.	3.3	9
27	ODAL: A one-shot distributed algorithm to perform logistic regressions on electronic health records data from multiple clinical sites. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2019, 24, 30-41.	0.7	7
28	Development and validation of the PEPPER framework (Prenatal Exposure PubMed ParsER) with applications to food additives. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1432-1443.	4.4	6
29	Evaluation of Stillbirth Among Pregnant People With Sickle Cell Trait. JAMA Network Open, 2021, 4, e2134274.	5.9	6
30	A model investigating environmental factors that play a role in female fecundity or birth rate. PLoS ONE, 2018, 13, e0207932.	2.5	4
31	The CLASSE GATOR (CLinical Acronym SenSE disambiGuATOR): A Method for predicting acronym sense from neonatal clinical notes. International Journal of Medical Informatics, 2020, 137, 104101.	3.3	4
32	Harnessing electronic health records to study emerging environmental disasters: a proof of concept with perfluoroalkyl substances (PFAS). Npj Digital Medicine, 2021, 4, 122.	10.9	4
33	OUP accepted manuscript. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 225-229.	4.4	4
34	Applied Veterinary Informatics: Development of a Semantic and Domain-Specific Method to Construct a Canine Data Repository. Scientific Reports, 2019, 9, 18641.	3.3	3
35	Association of Neighborhood-Level Factors and COVID-19 Infection Patterns in Philadelphia Using Spatial Regression. AMIA Summits on Translational Science Proceedings, 2021, 2021, 545-554.	0.4	3
36	OUP accepted manuscript. Journal of the American Medical Informatics Association: JAMIA, 2021, , .	4.4	2

#	ARTICLE	IF	CITATIONS
37	Comparative Analysis and Evaluation of State-of-the-Art Medication Mapping Tools to Transform a Local Medication Terminology to RxNorm. AMIA Summits on Translational Science Proceedings, 2020, 2020, 126-135.	0.4	2
38	Higher incidence of postpartum complications in women with polycystic ovary syndrome. Fertility and Sterility, 2019, 112, e39.	1.0	1
39	An algorithm to identify residential mobility from electronic health-record data. International Journal of Epidemiology, 2021, , .	1.9	1
40	In Search of 'Birth Month Genes': Using Existing Data Repositories to Locate Genes Underlying Birth Month-Disease Relationships. AMIA Summits on Translational Science Proceedings, 2016, 2016, 189-98.	0.4	1
41	Medication-Wide Association Study Using Electronic Health Record Data of Prescription Medication Exposure and Multifetal Pregnancies: Retrospective Study. JMIR Medical Informatics, 2022, 10, e32229.	2.6	1
42	WellExplorer: an integrative resource linking hydraulic fracturing chemicals with hormonal pathways and geographic location. Database: the Journal of Biological Databases and Curation, 2020, .	3.0	0
43	1 Personalized medicine. , 2020, , 1-14.		0
44	PSB 2019 Workshop on Text Mining and Visualization for Precision Medicine. , 2018, , .		0
45	Development of an Informatics Algorithm to Link Seasonal Infectious Diseases to Birth-Dependent Diseases Across Species: A Case Study with Osteosarcoma. AMIA Summits on Translational Science Proceedings, 2021, 2021, 585-594.	0.4	0
46	Advanced Methods for Big Data Analytics in Women's Health. , 2020, , .		0