

Robert Ball

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

3,212
citations

32
h-index

54
g-index

95
ext. papers

3,703
ext. citations

6.8
avg, IF

4.88
L-index

#	Paper	IF	Citations
92	Postlicensure safety surveillance for quadrivalent human papillomavirus recombinant vaccine. <i>JAMA - Journal of the American Medical Association</i> , 2009 , 302, 750-7	27.4	316
91	Understanding vaccine safety information from the Vaccine Adverse Event Reporting System. <i>Pediatric Infectious Disease Journal</i> , 2004 , 23, 287-94	3.4	276
90	Perspectives on the use of data mining in pharmaco-vigilance. <i>Drug Safety</i> , 2005 , 28, 981-1007	5.1	173
89	The FDA's sentinel initiative--A comprehensive approach to medical product surveillance. <i>Clinical Pharmacology and Therapeutics</i> , 2016 , 99, 265-8	6.1	136
88	Safety of trivalent inactivated influenza vaccines in adults: background for pandemic influenza vaccine safety monitoring. <i>Vaccine</i> , 2009 , 27, 2114-20	4.1	124
87	Adverse events reported following live, cold-adapted, intranasal influenza vaccine. <i>JAMA - Journal of the American Medical Association</i> , 2005 , 294, 2720-5	27.4	99
86	Postlicensure monitoring of intussusception after RotaTeq vaccination in the United States, February 1, 2006, to September 25, 2007. <i>Pediatrics</i> , 2008 , 121, 1206-12	7.4	96
85	The US Food and Drug Administration's Sentinel Initiative: expanding the horizons of medical product safety. <i>Pharmacoepidemiology and Drug Safety</i> , 2012 , 21 Suppl 1, 9-11	2.6	94
84	The Food and Drug Administration's Post-Licensure Rapid Immunization Safety Monitoring program: strengthening the federal vaccine safety enterprise. <i>Pharmacoepidemiology and Drug Safety</i> , 2012 , 21 Suppl 1, 291-7	2.6	87
83	The FDA Sentinel Initiative - An Evolving National Resource. <i>New England Journal of Medicine</i> , 2018 , 379, 2091-2093	59.2	85
82	Surveillance for safety after immunization: Vaccine Adverse Event Reporting System (VAERS)--United States, 1991-2001. <i>MMWR Surveillance Summaries</i> , 2003 , 52, 1-24	54.1	85
81	The risk of immune thrombocytopenic purpura after vaccination in children and adolescents. <i>Pediatrics</i> , 2012 , 129, 248-55	7.4	80
80	Text mining for the Vaccine Adverse Event Reporting System: medical text classification using informative feature selection. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2011 , 18, 631-8	8.6	68
79	Use of data mining at the Food and Drug Administration. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016 , 23, 428-34	8.6	67
78	Comparing data mining methods on the VAERS database. <i>Pharmacoepidemiology and Drug Safety</i> , 2005 , 14, 601-9	2.6	61
77	Surveillance for adverse events following receipt of pandemic 2009 H1N1 vaccine in the Post-Licensure Rapid Immunization Safety Monitoring (PRISM) System, 2009-2010. <i>American Journal of Epidemiology</i> , 2012 , 175, 1120-8	3.8	59
76	Adverse event reports following vaccination for Lyme disease: December 1998-July 2000. <i>Vaccine</i> , 2002 , 20, 1603-8	4.1	56

75	Immune globulins and thrombotic adverse events as recorded in a large administrative database in 2008 through 2010. <i>Transfusion</i> , 2012 , 52, 2113-21	2.9	53
74	Adverse events after inactivated influenza vaccination among children less than 2 years of age: analysis of reports from the vaccine adverse event reporting system, 1990-2003. <i>Pediatrics</i> , 2005 , 115, 453-60	7.4	50
73	Transfusion-associated circulatory overload (TACO) and potential risk factors among the inpatient US elderly as recorded in Medicare administrative databases during 2011. <i>Vox Sanguinis</i> , 2014 , 106, 144-52	3.1	47
72	Kawasaki disease after vaccination: reports to the vaccine adverse event reporting system 1990-2007. <i>Pediatric Infectious Disease Journal</i> , 2009 , 28, 943-7	3.4	43
71	Safety review of the purified chick embryo cell rabies vaccine: Data from the Vaccine Adverse Event Reporting System (VAERS), 1997-2005. <i>Vaccine</i> , 2007 , 25, 4244-51	4.1	41
70	Evaluation of Guillain-Barré Syndrome among recipients of influenza vaccine in 2000 and 2001. <i>American Journal of Preventive Medicine</i> , 2010 , 39, 296-304	6.1	40
69	Immunization-safety monitoring systems for the 2009 H1N1 monovalent influenza vaccination program. <i>Pediatrics</i> , 2011 , 127 Suppl 1, S78-86	7.4	40
68	Surveillance for Guillain-Barré Syndrome after influenza vaccination among the Medicare population, 2009-2010. <i>American Journal of Public Health</i> , 2012 , 102, 1921-7	5.1	39
67	Postmarketing safety surveillance for typhoid fever vaccines from the Vaccine Adverse Event Reporting System, July 1990 through June 2002. <i>Clinical Infectious Diseases</i> , 2004 , 38, 771-9	11.6	38
66	Effects of stratification on data mining in the US Vaccine Adverse Event Reporting System (VAERS). <i>Drug Safety</i> , 2008 , 31, 667-74	5.1	37
65	Vaccine adverse event text mining system for extracting features from vaccine safety reports. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2012 , 19, 1011-8	8.6	36
64	Hyperimmune globulins and same-day thrombotic adverse events as recorded in a large healthcare database during 2008-2011. <i>American Journal of Hematology</i> , 2013 , 88, 1035-40	7.1	34
63	Can network analysis improve pattern recognition among adverse events following immunization reported to VAERS?. <i>Clinical Pharmacology and Therapeutics</i> , 2011 , 90, 271-8	6.1	33
62	HLA type and immune response to <i>Borrelia burgdorferi</i> outer surface protein a in people in whom arthritis developed after Lyme disease vaccination. <i>Arthritis and Rheumatism</i> , 2009 , 60, 1179-86		32
61	Evaluating adverse events after vaccination in the Medicare population. <i>Pharmacoepidemiology and Drug Safety</i> , 2007 , 16, 753-61	2.6	32
60	Development of case definitions for acute encephalopathy, encephalitis, and multiple sclerosis reports to the vaccine: Adverse Event Reporting System. <i>Journal of Clinical Epidemiology</i> , 2002 , 55, 819-24	5.7	30
59	Data mining for prospective early detection of safety signals in the Vaccine Adverse Event Reporting System (VAERS): a case study of febrile seizures after a 2010-2011 seasonal influenza virus vaccine. <i>Drug Safety</i> , 2013 , 36, 547-56	5.1	28
58	Chart-confirmed guillain-barre syndrome after 2009 H1N1 influenza vaccination among the Medicare population, 2009-2010. <i>American Journal of Epidemiology</i> , 2013 , 178, 962-73	3.8	27

57	Vaccine risk perception among reporters of autism after vaccination: vaccine adverse event reporting system 1990-2001. <i>American Journal of Public Health</i> , 2004 , 94, 990-5	5.1	26
56	Evaluation of Natural Language Processing (NLP) systems to annotate drug product labeling with MedDRA terminology. <i>Journal of Biomedical Informatics</i> , 2018 , 83, 73-86	10.2	23
55	Methods of ensuring vaccine safety. <i>Expert Review of Vaccines</i> , 2002 , 1, 161-8	5.2	23
54	Using simulation to assess the sensitivity and specificity of a signal detection tool for multidimensional public health surveillance data. <i>Statistics in Medicine</i> , 2005 , 24, 551-62	2.3	22
53	Rapid emergence of free-riding behavior in new pediatric immunization programs. <i>PLoS ONE</i> , 2010 , 5, e12594	3.7	22
52	A global regulatory science agenda for vaccines. <i>Vaccine</i> , 2013 , 31 Suppl 2, B163-75	4.1	21
51	Applicability, reliability, sensitivity, and specificity of six Brighton Collaboration standardized case definitions for adverse events following immunization. <i>Vaccine</i> , 2008 , 26, 6349-60	4.1	21
50	Outpatient transfusions and occurrence of serious noninfectious transfusion-related complications among US elderly, 2007-2008: utility of large administrative databases in blood safety research. <i>Transfusion</i> , 2012 , 52, 1968-76	2.9	20
49	Polyarteritis nodosa reports to the vaccine adverse event reporting system (VAERS): implications for assessment of suspected vaccine-provoked vasculitis. <i>Journal of Rheumatology</i> , 2004 , 31, 2181-8	4.1	19
48	Near real-time surveillance for Guillain-Barré syndrome after influenza vaccination among the Medicare population, 2010/11 to 2013/14. <i>Vaccine</i> , 2017 , 35, 2986-2992	4.1	18
47	Development of an automated assessment tool for MedWatch reports in the FDA adverse event reporting system. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017 , 24, 913-920	8.6	18
46	Health outcomes of interest for evaluation in the Post-Licensure Rapid Immunization Safety Monitoring Program. <i>Vaccine</i> , 2012 , 30, 2824-30	4.1	18
45	Adverse events after anthrax vaccination reported to the Vaccine Adverse Event Reporting System (VAERS), 1990-2007. <i>Vaccine</i> , 2009 , 27, 290-7	4.1	18
44	Thrombocytopenia after vaccination: case reports to the US Vaccine Adverse Event Reporting System, 1990-2008. <i>Vaccine</i> , 2011 , 29, 1319-23	4.1	16
43	Application of information retrieval approaches to case classification in the vaccine adverse event reporting system. <i>Drug Safety</i> , 2013 , 36, 573-82	5.1	15
42	Success of program linking data sources to monitor H1N1 vaccine safety points to potential for even broader safety surveillance. <i>Health Affairs</i> , 2012 , 31, 2518-27	7	15
41	Adverse Events Following Trivalent Inactivated Influenza Vaccination in Children: Analysis of the Vaccine Adverse Event Reporting System. <i>Pediatric Infectious Disease Journal</i> , 2011 , 30, e1-8	3.4	13
40	Statistical, epidemiological, and risk-assessment approaches to evaluating safety of vaccines throughout the life cycle at the Food and Drug Administration. <i>Pediatrics</i> , 2011 , 127 Suppl 1, S31-8	7.4	13

39	A new algorithmic approach for the extraction of temporal associations from clinical narratives with an application to medical product safety surveillance reports. <i>Journal of Biomedical Informatics</i> , 2016 , 62, 78-89	10.2	13
38	Comparison of military and civilian reporting rates for smallpox vaccine adverse events. <i>Pharmacoepidemiology and Drug Safety</i> , 2007 , 16, 597-604	2.6	12
37	Evaluating automated approaches to anaphylaxis case classification using unstructured data from the FDA Sentinel System. <i>Pharmacoepidemiology and Drug Safety</i> , 2018 , 27, 1077-1084	2.6	12
36	The contribution of the vaccine adverse event text mining system to the classification of possible Guillain-Barré syndrome reports. <i>Applied Clinical Informatics</i> , 2013 , 4, 88-99	3.1	11
35	Elective termination of pregnancy after vaccination reported to the Vaccine Adverse Event Reporting System (VAERS): 1990-2006. <i>Vaccine</i> , 2008 , 26, 2428-32	4.1	11
34	Adverse events after hepatitis A B combination vaccine. <i>Vaccine</i> , 2006 , 24, 2685-91	4.1	11
33	Can Natural Language Processing Improve the Efficiency of Vaccine Adverse Event Report Review?. <i>Methods of Information in Medicine</i> , 2016 , 55, 144-50	1.5	10
32	Network analysis of possible anaphylaxis cases reported to the US vaccine adverse event reporting system after H1N1 influenza vaccine. <i>Studies in Health Technology and Informatics</i> , 2011 , 169, 564-8	0.5	10
31	Using and improving distributed data networks to generate actionable evidence: the case of real-world outcomes in the Food and Drug Administration's Sentinel system. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020 , 27, 793-797	8.6	9
30	Robustness properties of a sequential test for vaccine safety in the presence of misspecification. <i>Statistical Analysis and Data Mining</i> , 2014 , 7, 368-375	1.4	8
29	Automating case definitions using literature-based reasoning. <i>Applied Clinical Informatics</i> , 2013 , 4, 515-27.1	3.1	8
28	Identifying Similar Cases in Document Networks Using Cross-Reference Structures. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 1906-17	7.2	7
27	Simulating adverse event spontaneous reporting systems as preferential attachment networks: application to the Vaccine Adverse Event Reporting System. <i>Applied Clinical Informatics</i> , 2014 , 5, 206-18	3.1	7
26	Preventable mix-ups of tuberculin and vaccines: reports to the US Vaccine and Drug Safety Reporting Systems. <i>Drug Safety</i> , 2008 , 31, 1027-33	5.1	7
25	An evaluation of statistical approaches to postmarketing surveillance. <i>Statistics in Medicine</i> , 2020 , 39, 845-874	2.3	7
24	Identification and Validation of Anaphylaxis Using Electronic Health Data in a Population-based Setting. <i>Epidemiology</i> , 2021 , 32, 439-443	3.1	7
23	Transparent Reporting on Research Using Unstructured Electronic Health Record Data to Generate Real World Evidence of Comparative Effectiveness and Safety. <i>Drug Safety</i> , 2019 , 42, 1297-1309	5.1	6
22	A pattern discovery framework for adverse event evaluation and inference in spontaneous reporting systems. <i>Statistical Analysis and Data Mining</i> , 2014 , 7, 352-367	1.4	6

21	Death and serious illness following influenza vaccination: a multidisciplinary investigation. <i>Pharmacoepidemiology and Drug Safety</i> , 2009 , 18, 504-11	2.6	6
20	Feature engineering and machine learning for causality assessment in pharmacovigilance: Lessons learned from application to the FDA Adverse Event Reporting System. <i>Computers in Biology and Medicine</i> , 2021 , 135, 104517	7	6
19	Novel algorithms for improved pattern recognition using the US FDA Adverse Event Network Analyzer. <i>Studies in Health Technology and Informatics</i> , 2014 , 205, 1178-82	0.5	6
18	Randomized, observational, interventional, and real-world-What's in a name?. <i>Pharmacoepidemiology and Drug Safety</i> , 2020 , 29, 1514-1517	2.6	5
17	A COVID-19-ready public health surveillance system: The Food and Drug Administration's Sentinel System. <i>Pharmacoepidemiology and Drug Safety</i> , 2021 , 30, 827-837	2.6	5
16	ADE Eval: An Evaluation of Text Processing Systems for Adverse Event Extraction from Drug Labels for Pharmacovigilance. <i>Drug Safety</i> , 2021 , 44, 83-94	5.1	5
15	Adverse events after anthrax vaccination reported to the Vaccine Adverse Event Reporting System (VAERS), 1990-2007 [Vaccine 2009;27:290-297]. <i>Vaccine</i> , 2009 , 27, 6654-5	4.1	4
14	Safety assessment of recalled Haemophilus influenzae type b (Hib) conjugate vaccines--United States, 2007-2008. <i>Pharmacoepidemiology and Drug Safety</i> , 2010 , 19, 306-10	2.6	4
13	Developmental regression and autism reported to the Vaccine Adverse Event Reporting System. <i>Autism</i> , 2007 , 11, 301-10	6.6	4
12	Perspectives on the future of postmarket vaccine safety surveillance and evaluation. <i>Expert Review of Vaccines</i> , 2014 , 13, 455-62	5.2	3
11	Perinatal hepatitis B transmission and vaccination timing in a managed care cohort: assessment of the temporary delay in newborn hepatitis B vaccination due to thimerosal content. <i>Pediatric Infectious Disease Journal</i> , 2007 , 26, 329-33	3.4	3
10	Emerging technologies and their impact on regulatory science. <i>Experimental Biology and Medicine</i> , 2021 , 15353702211052280	3.7	3
9	Leveraging the Capabilities of the FDA's Sentinel System To Improve Kidney Care. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 2506-2516	12.7	3
8	Electronic phenotyping of health outcomes of interest using a linked claims-electronic health record database: Findings from a machine learning pilot project. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 1507-1517	8.6	3
7	Varicella-zoster vaccine. <i>New England Journal of Medicine</i> , 2007 , 357, 88	59.2	2
6	Information Visualization Platform for Postmarket Surveillance Decision Support. <i>Drug Safety</i> , 2020 , 43, 905-915	5.1	2
5	Broadening the reach of the FDA Sentinel system: A roadmap for integrating electronic health record data in a causal analysis framework.. <i>Npj Digital Medicine</i> , 2021 , 4, 170	15.7	2
4	"Artificial Intelligence" for Pharmacovigilance: Ready for Prime Time?. <i>Drug Safety</i> , 2022 , 45, 429-438	5.1	0

- 3 Comparison of alpha-spending plans for near real-time monitoring for Guillain-Barré Syndrome after influenza vaccination during the 2010/11 influenza season. *Vaccine*, **2020**, 38, 2221-2228 4.1
- 2 Developing a Standardized and Reusable Method to Link Distributed Health Plan Databases to the National Death Index: Methods Development Study Protocol. *JMIR Research Protocols*, **2020**, 9, e21811 2
- 1 Using real-world data to evaluate biosimilar switching. *Pharmacoepidemiology and Drug Safety*, **2020**, 29, 814-816 2.6