

Robert Ball

List of Publications by Year in Descending Order

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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	"Artificial Intelligence" for Pharmacovigilance: Ready for Prime Time?. <i>Drug Safety</i> , 2022 , 45, 429-438	5.1	0
91	Emerging technologies and their impact on regulatory science. <i>Experimental Biology and Medicine</i> , 2021 , 15353702211052280	3.7	3
90	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
89	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
88	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
87	Identification and Validation of Anaphylaxis Using Electronic Health Data in a Population-based Setting. <i>Epidemiology</i> , 2021 , 32, 439-443	3.1	7
86	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
85	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
84	Comparison of alpha-spending plans for near real-time monitoring for Guillain-Barré Syndrome after influenza vaccination during the 2010/11 influenza season. <i>Vaccine</i> , 2020 , 38, 2221-2228	4.1	
83	Developing a Standardized and Reusable Method to Link Distributed Health Plan Databases to the National Death Index: Methods Development Study Protocol. <i>JMIR Research Protocols</i> , 2020 , 9, e21811	2	
82	Information Visualization Platform for Postmarket Surveillance Decision Support. <i>Drug Safety</i> , 2020 , 43, 905-915	5.1	2
81	Using real-world data to evaluate biosimilar switching. <i>Pharmacoepidemiology and Drug Safety</i> , 2020 , 29, 814-816	2.6	
80	An evaluation of statistical approaches to postmarketing surveillance. <i>Statistics in Medicine</i> , 2020 , 39, 845-874	2.3	7
79	Randomized, observational, interventional, and real-world-What's in a name?. <i>Pharmacoepidemiology and Drug Safety</i> , 2020 , 29, 1514-1517	2.6	5
78	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
77	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
76	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

75	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
74	The FDA Sentinel Initiative - An Evolving National Resource. <i>New England Journal of Medicine</i> , 2018 , 379, 2091-2093	59.2	85
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	Perspectives on the future of postmarket vaccine safety surveillance and evaluation. <i>Expert Review of Vaccines</i> , 2014 , 13, 455-62	5.2	3
62	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
61	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
60	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
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	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

57	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
56	A global regulatory science agenda for vaccines. <i>Vaccine</i> , 2013 , 31 Suppl 2, B163-75	4.1	21
55	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
54	Automating case definitions using literature-based reasoning. <i>Applied Clinical Informatics</i> , 2013 , 4, 515-23	3.1	8
53	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
52	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
51	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
50	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
49	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
48	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
47	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
46	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
45	The risk of immune thrombocytopenic purpura after vaccination in children and adolescents. <i>Pediatrics</i> , 2012 , 129, 248-55	7.4	80
44	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
43	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
42	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
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	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

39	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
38	Immunization-safety monitoring systems for the 2009 H1N1 monovalent influenza vaccination program. <i>Pediatrics</i> , 2011 , 127 Suppl 1, S78-86	7.4	40
37	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
36	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
35	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
34	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
33	Rapid emergence of free-riding behavior in new pediatric immunization programs. <i>PLoS ONE</i> , 2010 , 5, e12594	3.7	22
32	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
31	HLA type and immune response to Borrelia burgdorferi outer surface protein a in people in whom arthritis developed after Lyme disease vaccination. <i>Arthritis and Rheumatism</i> , 2009 , 60, 1179-86		32
30	Death and serious illness following influenza vaccination: a multidisciplinary investigation. <i>Pharmacoepidemiology and Drug Safety</i> , 2009 , 18, 504-11	2.6	6
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	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

21	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
20	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
19	Evaluating adverse events after vaccination in the Medicare population. <i>Pharmacoepidemiology and Drug Safety</i> , 2007 , 16, 753-61	2.6	32
18	Varicella-zoster vaccine. <i>New England Journal of Medicine</i> , 2007 , 357, 88	59.2	2
17	Developmental regression and autism reported to the Vaccine Adverse Event Reporting System. <i>Autism</i> , 2007 , 11, 301-10	6.6	4
16	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
15	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
14	Adverse events after hepatitis A B combination vaccine. <i>Vaccine</i> , 2006 , 24, 2685-91	4.1	11
13	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
12	Perspectives on the use of data mining in pharmaco-vigilance. <i>Drug Safety</i> , 2005 , 28, 981-1007	5.1	173
11	Comparing data mining methods on the VAERS database. <i>Pharmacoepidemiology and Drug Safety</i> , 2005 , 14, 601-9	2.6	61
10	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
9	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
8	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
7	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
6	Understanding vaccine safety information from the Vaccine Adverse Event Reporting System. <i>Pediatric Infectious Disease Journal</i> , 2004 , 23, 287-94	3.4	276
5	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
4	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

- 3 Methods of ensuring vaccine safety. *Expert Review of Vaccines*, **2002**, 1, 161-8 5.2 23
- 2 Development of case definitions for acute encephalopathy, encephalitis, and multiple sclerosis reports to the vaccine: Adverse Event Reporting System. *Journal of Clinical Epidemiology*, **2002**, 55, 819-24 5.7 30
- 1 Adverse event reports following vaccination for Lyme disease: December 1998-July 2000. *Vaccine*, **2002**, 20, 1603-8 4.1 56