

Wade L Schulz

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

6,764
citations

218677

26
h-index

123424

61
g-index

101
all docs

101
docs citations

101
times ranked

14642
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale PHATE identifies multimodal signatures of COVID-19. <i>Nature Biotechnology</i> , 2022, 40, 681-691.	17.5	39
2	The Current Landscape and Emerging Applications for Real-World Data in Diagnostics and Clinical Decision Support and its Impact on Regulatory Decision Making. <i>Clinical Pharmacology and Therapeutics</i> , 2022, 112, 1172-1182.	4.7	5
3	Comparative transmissibility of SARS-CoV-2 variants Delta and Alpha in New England, USA. <i>Cell Reports Medicine</i> , 2022, 3, 100583.	6.5	101
4	De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report. <i>Nature Communications</i> , 2022, 13, 1547.	12.8	159
5	A multicenter evaluation of computable phenotyping approaches for SARS-CoV-2 infection and COVID-19 hospitalizations. <i>Npj Digital Medicine</i> , 2022, 5, 27.	10.9	9
6	Automated multilabel diagnosis on electrocardiographic images and signals. <i>Nature Communications</i> , 2022, 13, 1583.	12.8	29
7	Assessment of Clinical Effectiveness of BNT162b2 COVID-19 Vaccine in US Adolescents. <i>JAMA Network Open</i> , 2022, 5, e220935.	5.9	20
8	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons. <i>Med</i> , 2022, 3, 325-334.e4.	4.4	60
9	Temporal relationship of computed and structured diagnoses in electronic health record data. <i>BMC Medical Informatics and Decision Making</i> , 2021, 21, 61.	3.0	11
10	Clinical characteristics and outcomes for 7,995 patients with SARS-CoV-2 infection. <i>PLoS ONE</i> , 2021, 16, e0243291.	2.5	31
11	The Association of COVID-19 With Acute Kidney Injury Independent of Severity of Illness: A Multicenter Cohort Study. <i>American Journal of Kidney Diseases</i> , 2021, 77, 490-499.e1.	1.9	58
12	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. <i>Med</i> , 2021, 2, 591-610.e10.	4.4	122
13	Delayed production of neutralizing antibodies correlates with fatal COVID-19. <i>Nature Medicine</i> , 2021, 27, 1178-1186.	30.7	183
14	Diverse functional autoantibodies in patients with COVID-19. <i>Nature</i> , 2021, 595, 283-288.	27.8	619
15	Longitudinal Assessment of SARS-CoV-2 Antinucleocapsid and Antispike-1-RBD Antibody Testing Following PCR-Detected SARS-CoV-2 Infection. <i>Journal of Applied Laboratory Medicine</i> , The, 2021, 6, 1005-1011.	1.3	6
16	An Integrated Approach to Deploy Panel-Based Pharmacogenetic Testing and Clinical Decision Support. <i>Journal of Applied Laboratory Medicine</i> , The, 2021, 6, 1094-1096.	1.3	0
17	Toward Dynamic Risk Prediction of Outcomes After Coronary Artery Bypass Graft: Improving Risk Prediction With Intraoperative Events Using Gradient Boosting. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2021, 14, e007363.	2.2	7
18	Myopericarditis in young adults presenting to the emergency department after receiving a second COVID-19 mRNA vaccine. <i>Academic Emergency Medicine</i> , 2021, 28, 802-805.	1.8	13

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19	Feasibility of capturing real-world data from health information technology systems at multiple centers to assess cardiac ablation device outcomes: A fit-for-purpose informatics analysis report. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 2241-2250.	4.4	14
20	Effectiveness of the CoronaVac vaccine in older adults during a gamma variant associated epidemic of covid-19 in Brazil: test negative case-control study. BMJ, The, 2021, 374, n2015.	6.0	223
21	Effectiveness of CoronaVac among healthcare workers in the setting of high SARS-CoV-2 Gamma variant transmission in Manaus, Brazil: A test-negative case-control study. The Lancet Regional Health Americas, 2021, 1, 100025.	2.6	116
22	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. Nature, 2021, 597, E10-E11.	27.8	4
23	Prevalence of Dyslipidemia and Availability of Lipid-Lowering Medications Among Primary Health Care Settings in China. JAMA Network Open, 2021, 4, e2127573.	5.9	68
24	Artificial Intelligence and Mapping a New Direction in Laboratory Medicine: A Review. Clinical Chemistry, 2021, 67, 1466-1482.	3.2	24
25	Applications of Digital Microscopy and Densely Connected Convolutional Neural Networks for Automated Quantification of Babesia-Infected Erythrocytes. Clinical Chemistry, 2021, 68, 218-229.	3.2	8
26	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity. Nature, 2021, 600, 523-529.	27.8	194
27	Effectiveness of ChAdOx1 vaccine in older adults during SARS-CoV-2 Gamma variant circulation in São Paulo. Nature Communications, 2021, 12, 6220.	12.8	62
28	The Promise of Big Data and Digital Solutions in Building a Cardiovascular Learning System: Opportunities and Barriers. Methodist DeBakey Cardiovascular Journal, 2021, 16, 212.	1.0	7
29	Feasibility of using real-world data in the evaluation of cardiac ablation catheters: a test-case of the National Evaluation System for Health Technology Coordinating Center. BMJ Surgery, Interventions, and Health Technologies, 2021, 3, e000089.	0.9	4
30	Blood utilisation and transfusion reactions in adult patients transfused with conventional or pathogen-reduced platelets. British Journal of Haematology, 2020, 188, 465-472.	2.5	13
31	Sex differences in immune responses that underlie COVID-19 disease outcomes. Nature, 2020, 588, 315-320.	27.8	1,035
32	Impact of COVID-19 Pandemic on Laboratory Utilization. journal of applied laboratory medicine, The, 2020, 5, 1194-1205.	1.3	36
33	Development and Validation of the Quick COVID-19 Severity Index: A Prognostic Tool for Early Clinical Decompensation. Annals of Emergency Medicine, 2020, 76, 442-453.	0.6	219
34	Impact of intra-tumoral heterogeneity detected by next-generation sequencing on acute myeloid leukemia survival. Leukemia and Lymphoma, 2020, 61, 3269-3271.	1.3	0
35	Longitudinal analyses reveal immunological misfiring in severe COVID-19. Nature, 2020, 584, 463-469.	27.8	1,710
36	Agile analytics to support rapid knowledge pipelines. Npj Digital Medicine, 2020, 3, 108.	10.9	5

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37	Patient factors associated with SARS-CoV-2 in an admitted emergency department population. <i>Journal of the American College of Emergency Physicians Open</i> , 2020, 1, 569-577.	0.7	11
38	Investigation of increased platelet alloimmunization screening in the era of pathogen-reduced platelets treated with psoralen/UV light. <i>Transfusion</i> , 2020, 60, 650-651.	1.6	3
39	Leveraging the Electronic Health Records for Population Health: A Case Study of Patients With Markedly Elevated Blood Pressure. <i>Journal of the American Heart Association</i> , 2020, 9, e015033.	3.7	14
40	Rates and Predictors of Patient Underreporting of Hospitalizations During Follow-Up After Acute Myocardial Infarction. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2020, 13, e006231.	2.2	6
41	Evaluation of a Risk Stratification Model Using Preoperative and Intraoperative Data for Major Morbidity or Mortality After Cardiac Surgical Treatment. <i>JAMA Network Open</i> , 2020, 3, e2028361.	5.9	2
42	Agile Health Care Analytics: Enabling Real-Time Disease Surveillance With a Computational Health Platform. <i>Journal of Medical Internet Research</i> , 2020, 22, e18707.	4.3	27
43	Bridging the Collaboration Gap: Real-time Identification of Clinical Specimens for Biomedical Research. <i>Journal of Pathology Informatics</i> , 2020, 11, 14.	1.7	4
44	Traditional Chinese Medicine Use in the Treatment of Acute Heart Failure in Western Medicine Hospitals in China: Analysis From the China PEACE Retrospective Heart Failure Study. <i>Journal of the American Heart Association</i> , 2019, 8, e012776.	3.7	17
45	Validation and Regulation of Clinical Artificial Intelligence. <i>Clinical Chemistry</i> , 2019, 65, 1336-1337.	3.2	8
46	Blood Utilization and Transfusion Reactions in Pediatric Patients Transfused with Conventional or Pathogen Reduced Platelets. <i>Journal of Pediatrics</i> , 2019, 209, 220-225.	1.8	31
47	Characteristics of High Cardiovascular Risk in 1.7 Million Chinese Adults. <i>Annals of Internal Medicine</i> , 2019, 170, 298.	3.9	39
48	Tapping Into Underutilized Healthcare Data in Clinical Research. <i>Annals of Surgery</i> , 2019, 270, 227-229.	4.2	8
49	Health Care and Precision Medicine Research: Analysis of a Scalable Data Science Platform. <i>Journal of Medical Internet Research</i> , 2019, 21, e13043.	4.3	68
50	305 "Enhanced" Antibigram: Emerging Data Management Technology for Curation and Visual Presentation of Antimicrobial Resistance Patterns. <i>American Journal of Clinical Pathology</i> , 2018, 149, S130-S130.	0.7	0
51	Enhancing the prediction of acute kidney injury risk after percutaneous coronary intervention using machine learning techniques: A retrospective cohort study. <i>PLoS Medicine</i> , 2018, 15, e1002703.	8.4	91
52	Prediction of ICU Readmissions Using Data at Patient Discharge. , 2018, 2018, 4932-4935.		17
53	Fulfilling the Promise of Unique Device Identifiers. <i>Annals of Internal Medicine</i> , 2018, 169, 183.	3.9	18
54	Association of Body Mass Index With Blood Pressure Among 1.7 Million Chinese Adults. <i>JAMA Network Open</i> , 2018, 1, e181271.	5.9	86

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55	A novel network analysis tool to identify relationships between disease states and risks for red blood cell alloimmunization. <i>Vox Sanguinis</i> , 2017, 112, 469-472.	1.5	12
56	Blockchain Technology. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2017, 10, .	2.2	272
57	Very Deep Convolutional Neural Networks for Morphologic Classification of Erythrocytes. <i>Clinical Chemistry</i> , 2017, 63, 1847-1855.	3.2	28
58	Moving Averages: Real-Time Data Monitoring in the Clinical Chemistry Laboratory. <i>American Journal of Clinical Pathology</i> , 2017, 147, S163-S164.	0.7	0
59	Gene therapy applications to transfusion medicine. , 2016, , 452-455.		0
60	Transfusion support for the oncology patient. , 2016, , 574-580.		2
61	Evaluation of relational and NoSQL database architectures to manage genomic annotations. <i>Journal of Biomedical Informatics</i> , 2016, 64, 288-295.	4.3	32
62	Use of application containers and workflows for genomic data analysis. <i>Journal of Pathology Informatics</i> , 2016, 7, 53.	1.7	32
63	Computational Approach to Annotating Variants of Unknown Significance in Clinical Next Generation Sequencing. <i>Laboratory Medicine</i> , 2015, 46, 285-289.	1.2	28
64	Impact of Molecular Clonality on Survival in Acute Myeloid Leukemia. <i>Blood</i> , 2015, 126, 1385-1385.	1.4	0
65	A Novel Network Analysis Tool to Identify Relationships Between Disease States and Risk for RBC Alloimmunization. <i>Blood</i> , 2015, 126, 2349-2349.	1.4	0
66	Amputation Neuroma Growing Intravascularly Into a Thrombus. <i>International Journal of Surgical Pathology</i> , 2014, 22, 645-646.	0.8	0
67	Reovirus Uses Multiple Endocytic Pathways for Cell Entry. <i>Journal of Virology</i> , 2012, 86, 12665-12675.	3.4	89
68	A student authored online medical education textbook: editing patterns and content evaluation of a medical student wiki. <i>AMIA ... Annual Symposium proceedings</i> , 2011, 2011, 1392-401.	0.2	12
69	HOS2 and HDA1 Encode Histone Deacetylases with Opposing Roles in <i>Candida albicans</i> Morphogenesis. <i>PLoS ONE</i> , 2010, 5, e12171.	2.5	34
70	Interactions between multiple genetic determinants in the 5' UTR and VP1 capsid control pathogenesis of chronic post-viral myopathy caused by coxsackievirus B1. <i>Virology</i> , 2008, 372, 35-47.	2.4	6
71	Change in covid-19 risk over time following vaccination with CoronaVac: test negative case-control study. <i>BMJ</i> , The, 0, , e070102.	6.0	10