Wade L Schulz

List of Publications by Year
in descending order

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	Longitudinal analyses reveal immunological misfiring in severe COVID-19. Nature, 2020, 584, 463-469.	27.8	1,710
2	Sex differences in immune responses that underlie COVID-19 disease outcomes. Nature, 2020, 588, 315-320.	27.8	1,035
3	Diverse functional autoantibodies in patients with COVID-19. Nature, 2021, 595, 283-288.	27.8	619
4	Blockchain Technology. Circulation: Cardiovascular Quality and Outcomes, 2017, 10, .	2.2	272
5	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
6	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
7	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity. Nature, 2021, 600, 523-529.	27.8	194
8	Delayed production of neutralizing antibodies correlates with fatal COVID-19. Nature Medicine, 2021, 27, 1178-1186.	30.7	183
9	De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report. Nature Communications, 2022, 13, 1547.	12.8	159
10	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. Med, 2021, 2, 591-610.e10.	4.4	122
11	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
12	Comparative transmissibility of SARS-CoV-2 variants Delta and Alpha in New England, USA. Cell Reports Medicine, 2022, 3, 100583.	6.5	101
13	Enhancing the prediction of acute kidney injury risk after percutaneous coronary intervention using machine learning techniques: A retrospective cohort study. PLoS Medicine, 2018, 15, e1002703.	8.4	91
14	Reovirus Uses Multiple Endocytic Pathways for Cell Entry. Journal of Virology, 2012, 86, 12665-12675.	3.4	89
15	Association of Body Mass Index With Blood Pressure Among 1.7 Million Chinese Adults. JAMA Network Open, 2018, 1, e181271.	5.9	86
16	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
17	Health Care and Precision Medicine Research: Analysis of a Scalable Data Science Platform. Journal of Medical Internet Research, 2019, 21, e13043.	4.3	68
18	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

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19	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons. Med, 2022, 3, 325-334.e4.	4.4	60
20	The Association of COVID-19 With Acute Kidney Injury Independent of Severity of Illness: A Multicenter Cohort Study. American Journal of Kidney Diseases, 2021, 77, 490-499.e1.	1.9	58
21	Characteristics of High Cardiovascular Risk in 1.7 Million Chinese Adults. Annals of Internal Medicine, 2019, 170, 298.	3.9	39
22	Multiscale PHATE identifies multimodal signatures of COVID-19. Nature Biotechnology, 2022, 40, 681-691.	17.5	39
23	Impact of COVID-19 Pandemic on Laboratory Utilization. journal of applied laboratory medicine, The, 2020, 5, 1194-1205.	1.3	36
24	HOS2 and HDA1 Encode Histone Deacetylases with Opposing Roles in Candida albicans Morphogenesis. PLoS ONE, 2010, 5, e12171.	2.5	34
25	Evaluation of relational and NoSQL database architectures to manage genomic annotations. Journal of Biomedical Informatics, 2016, 64, 288-295.	4.3	32
26	Use of application containers and workflows for genomic data analysis. Journal of Pathology Informatics, 2016, 7, 53.	1.7	32
27	Blood Utilization and Transfusion Reactions in Pediatric Patients Transfused with Conventional or Pathogen Reduced Platelets. Journal of Pediatrics, 2019, 209, 220-225.	1.8	31
28	Clinical characteristics and outcomes for 7,995 patients with SARS-CoV-2 infection. PLoS ONE, 2021, 16, e0243291.	2.5	31
29	Automated multilabel diagnosis on electrocardiographic images and signals. Nature Communications, 2022, 13, 1583.	12.8	29
30	Computational Approach to Annotating Variants of Unknown Significance in Clinical Next Generation Sequencing. Laboratory Medicine, 2015, 46, 285-289.	1.2	28
31	Very Deep Convolutional Neural Networks for Morphologic Classification of Erythrocytes. Clinical Chemistry, 2017, 63, 1847-1855.	3.2	28
32	Agile Health Care Analytics: Enabling Real-Time Disease Surveillance With a Computational Health Platform. Journal of Medical Internet Research, 2020, 22, e18707.	4.3	27
33	Artificial Intelligence and Mapping a New Direction in Laboratory Medicine: A Review. Clinical Chemistry, 2021, 67, 1466-1482.	3.2	24
34	Assessment of Clinical Effectiveness of BNT162b2 COVID-19 Vaccine in US Adolescents. JAMA Network Open, 2022, 5, e220935.	5.9	20
35	Fulfilling the Promise of Unique Device Identifiers. Annals of Internal Medicine, 2018, 169, 183.	3.9	18
36	Prediction of ICU Readmissions Using Data at Patient Discharge. , 2018, 2018, 4932-4935.		17

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37	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. Journal of the American Heart Association, 2019, 8, e012776.	3.7	17
38	Leveraging the Electronic Health Records for Population Health: A Case Study of Patients With Markedly Elevated Blood Pressure. Journal of the American Heart Association, 2020, 9, e015033.	3.7	14
39	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
40	Blood utilisation and transfusion reactions in adult patients transfused with conventional or pathogenâ€reduced platelets. British Journal of Haematology, 2020, 188, 465-472.	2.5	13
41	Myopericarditis in young adults presenting to the emergency department after receiving a second COVIDâ€19 mRNA vaccine. Academic Emergency Medicine, 2021, 28, 802-805.	1.8	13
42	A novel network analysis tool to identify relationships between disease states and risks for red blood cell alloimmunization. Vox Sanguinis, 2017, 112, 469-472.	1.5	12
43	A student authored online medical education textbook: editing patterns and content evaluation of a medical student wiki. AMIA ... Annual Symposium proceedings, 2011, 2011, 1392-401.	0.2	12
44	Patient factors associated with SARSâ€CoVâ€2 in an admitted emergency department population. Journal of the American College of Emergency Physicians Open, 2020, 1, 569-577.	0.7	11
45	Temporal relationship of computed and structured diagnoses in electronic health record data. BMC Medical Informatics and Decision Making, 2021, 21, 61.	3.0	11
46	Change in covid-19 risk over time following vaccination with CoronaVac: test negative case-control study. BMJ, The, 0, , e070102.	6.0	10
47	A multicenter evaluation of computable phenotyping approaches for SARS-CoV-2 infection and COVID-19 hospitalizations. Npj Digital Medicine, 2022, 5, 27.	10.9	9
48	Validation and Regulation of Clinical Artificial Intelligence. Clinical Chemistry, 2019, 65, 1336-1337.	3.2	8
49	Tapping Into Underutilized Healthcare Data in Clinical Research. Annals of Surgery, 2019, 270, 227-229.	4.2	8
50	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
51	Toward Dynamic Risk Prediction of Outcomes After Coronary Artery Bypass Graft: Improving Risk Prediction With Intraoperative Events Using Gradient Boosting. Circulation: Cardiovascular Quality and Outcomes, 2021, 14, e007363.	2.2	7
52	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
53	Interactions between multiple genetic determinants in the 5â€² UTR and VP1 capsid control pathogenesis of chronic post-viral myopathy caused by coxsackievirus B1. Virology, 2008, 372, 35-47.	2.4	6
54	Rates and Predictors of Patient Underreporting of Hospitalizations During Follow-Up After Acute Myocardial Infarction. Circulation: Cardiovascular Quality and Outcomes, 2020, 13, e006231.	2.2	6

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55	Longitudinal Assessment of SARS-CoV-2 Antinucleocapsid and Antispike-1-RBD Antibody Testing Following PCR-Detected SARS-CoV-2 Infection. journal of applied laboratory medicine, The, 2021, 6, 1005-1011.	1.3	6
56	Agile analytics to support rapid knowledge pipelines. Npj Digital Medicine, 2020, 3, 108.	10.9	5
57	The Current Landscape and Emerging Applications for Real‐World Data in Diagnostics and Clinical Decision Support and its Impact on Regulatory Decision Making. Clinical Pharmacology and Therapeutics, 2022, 112, 1172-1182.	4.7	5
58	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. Nature, 2021, 597, E10-E11.	27.8	4
59	Bridging the Collaboration Gap: Real-time Identification of Clinical Specimens for Biomedical Research. Journal of Pathology Informatics, 2020, 11, 14.	1.7	4
60	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
61	Investigation of increased platelet alloimmunization screening in the era of pathogen‐reduced platelets treated with psoralen/UV light. Transfusion, 2020, 60, 650-651.	1.6	3
62	Transfusion support for the oncology patient. , 2016, , 574-580.		2
63	Evaluation of a Risk Stratification Model Using Preoperative and Intraoperative Data for Major Morbidity or Mortality After Cardiac Surgical Treatment. JAMA Network Open, 2020, 3, e2028361.	5.9	2
64	Amputation Neuroma Growing Intravascularly Into a Thrombus. International Journal of Surgical Pathology, 2014, 22, 645-646.	0.8	0
65	Gene therapy applications to transfusion medicine. , 2016, , 452-455.		0
66	Moving Averages: Real-Time Data Monitoring in the Clinical Chemistry Laboratory. American Journal of Clinical Pathology, 2017, 147, S163-S164.	0.7	0
67	305 "Enhanced" Antibiogram: Emerging Data Management Technology for Curation and Visual Presentation of Antimicrobial Resistance Patterns. American Journal of Clinical Pathology, 2018, 149, S130-S130.	0.7	0
68	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
69	An Integrated Approach to Deploy Panel-Based Pharmacogenetic Testing and Clinical Decision Support. journal of applied laboratory medicine, The, 2021, 6, 1094-1096.	1.3	0
70	Impact of Molecular Clonality on Survival in Acute Myeloid Leukemia. Blood, 2015, 126, 1385-1385.	1.4	0
71	A Novel Network Analysis Tool to Identify Relationships Between Disease States and Risk for RBC Alloimmunization. Blood, 2015, 126, 2349-2349.	1.4	0