

Tavpritesh Sethi

List of Publications by Year in descending order

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39
papers

1,040
citations

567144

15
h-index

434063

31
g-index

52
all docs

52
docs citations

52
times ranked

1656
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Mask Usage and Social Distancing in Social Media Images: Large-scale Deep Learning Analysis. JMIR Public Health and Surveillance, 2022, 8, e26868.	1.2	1
2	A machine learning application for raising WASH awareness in the times of COVID-19 pandemic. Scientific Reports, 2022, 12, 810.	1.6	25
3	COVID-19 Risk Stratification and Mortality Prediction in Hospitalized Indian Patients: Harnessing clinical data for public health benefits. PLoS ONE, 2022, 17, e0264785.	1.1	16
4	Predicting Emerging Themes in Rapidly Expanding COVID-19 Literature With Unsupervised Word Embeddings and Machine Learning: Evidence-Based Study. Journal of Medical Internet Research, 2022, 24, e34067.	2.1	1
5	Estimating the impact of health systems factors on antimicrobial resistance in priority pathogens. Journal of Global Antimicrobial Resistance, 2022, 30, 133-142.	0.9	6
6	VacSIM: Learning effective strategies for COVID-19 vaccine distribution using reinforcement learning. Intelligence-based Medicine, 2022, , 100060.	1.4	10
7	Learning the Mental Health Impact of COVID-19 in the United States With Explainable Artificial Intelligence: Observational Study. JMIR Mental Health, 2021, 8, e25097.	1.7	28
8	Artificial Intelligence in Surveillance, Diagnosis, Drug Discovery and Vaccine Development against COVID-19. Pathogens, 2021, 10, 1048.	1.2	45
9	Psychometric Analysis and Coupling of Emotions Between State Bulletins and Twitter in India During COVID-19 Infodemic. Frontiers in Communication, 2021, 6, .	0.6	6
10	Cortical and Subcortical Brain Area Atrophy in SCA1 and SCA2 Patients in India: The Structural MRI Underpinnings and Correlative Insight Among the Atrophy and Disease Attributes. Neurology India, 2021, 69, 1318-1325.	0.2	1
11	Role of Impulse Oscillometry in Assessing Asthma Control in Children. Indian Pediatrics, 2020, 57, 119-123.	0.2	11
12	Interpretable artificial intelligence: Closing the adoption gap in healthcare. , 2020, , 3-29.		1
13	Role of Impulse Oscillometry in Assessing Asthma Control in Children. Indian Pediatrics, 2020, 57, 119-123.	0.2	4
14	Learning to Address Health Inequality in the United States with a Bayesian Decision Network. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 710-717.	3.6	5
15	Predicting Hemodynamic Shock from Thermal Images using Machine Learning. Scientific Reports, 2019, 9, 91.	1.6	35
16	Multifaceted remodeling by vitamin C boosts sensitivity of Mycobacterium tuberculosis subpopulations to combination treatment by anti-tubercular drugs. Redox Biology, 2018, 15, 452-466.	3.9	39
17	Predictors of long-term outcomes in patients with acute severe colitis: A northern Indian cohort study. Journal of Gastroenterology and Hepatology (Australia), 2018, 33, 615-622.	1.4	21
18	Big Data Analysis of Traditional Knowledge-based Ayurveda Medicine. Progress in Preventive Medicine (New York, N Y), 2018, 3, e0020.	0.7	9

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19	Target Oxygen Saturation Among Preterm Neonates on Supplemental Oxygen Therapy: A Quality Improvement Study. <i>Indian Pediatrics</i> , 2018, 55, 793-796.	0.2	5
20	Big Data to Big Knowledge for Next Generation Medicine: A Data Science Roadmap. <i>Studies in Big Data</i> , 2018, , 371-399.	0.8	0
21	Target Oxygen Saturation Among Preterm Neonates on Supplemental Oxygen Therapy: A Quality Improvement Study. <i>Indian Pediatrics</i> , 2018, 55, 793-796.	0.2	1
22	Validating the Tele-diagnostic Potential of Affordable Thermography in a Big-data Data-enabled ICU. , 2017, , .		8
23	Leveraging Thermal Patterns in Children for Telemedicine. , 2017, , .		0
24	Pharmacovigilance Using Textual Data: The Need to Go Deeper and Wider into the Con(text). <i>Drug Safety</i> , 2017, 40, 1047-1048.	1.4	1
25	Recapitulation of Ayurveda constitution types by machine learning of phenotypic traits. <i>PLoS ONE</i> , 2017, 12, e0185380.	1.1	35
26	Exhaled breath condensate metabolome clusters for endotype discovery in asthma. <i>Journal of Translational Medicine</i> , 2017, 15, 262.	1.8	44
27	Immune Response to Dengue Virus Infection in Pediatric Patients in New Delhi, India—Association of Viremia, Inflammatory Mediators and Monocytes with Disease Severity. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004497.	1.3	96
28	Establishment of Elevated Serum Levels of IL-10, IL-8 and TNF- β as Potential Peripheral Blood Biomarkers in Tubercular Lymphadenitis: A Prospective Observational Cohort Study. <i>PLoS ONE</i> , 2016, 11, e0145576.	1.1	9
29	Symptoms and medical conditions in 204~912 patients visiting primary health-care practitioners in India: a 1-day point prevalence study (the POSEIDON study). <i>The Lancet Global Health</i> , 2015, 3, e776-e784.	2.9	59
30	Fractional exhaled nitric oxide in children with acute exacerbation of asthma. <i>Indian Pediatrics</i> , 2014, 51, 105-111.	0.2	9
31	Exosome-enclosed microRNAs in exhaled breath hold potential for biomarker discovery in patients with pulmonary diseases. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 219-222.e7.	1.5	70
32	Computational classification of mitochondrial shapes reflects stress and redox state. <i>Cell Death and Disease</i> , 2013, 4, e461-e461.	2.7	167
33	Metabolomic signatures in nuclear magnetic resonance spectra of exhaled breath condensate identify asthma. <i>European Respiratory Journal</i> , 2012, 39, 500-502.	3.1	26
34	Ayurgenomics: A New Way of Threading Molecular Variability for Stratified Medicine. <i>ACS Chemical Biology</i> , 2011, 6, 875-880.	1.6	56
35	Structure and function of the tuberculous lung: Considerations for inhaled therapies. <i>Tuberculosis</i> , 2011, 91, 67-70.	0.8	8
36	Whole genome expression and biochemical correlates of extreme constitutional types defined in Ayurveda. <i>Journal of Translational Medicine</i> , 2008, 6, 48.	1.8	150

#	ARTICLE	IF	CITATIONS
37	Stewarding antibiotic stewardship in intensive care units with Bayesian artificial intelligence. Wellcome Open Research, 0, 3, 73.	0.9	3
38	Mining Trends of COVID-19 Vaccine Beliefs on Twitter With Lexical Embeddings: Longitudinal Observational Study. JMIR Infodemiology, 0, 3, e34315.	1.0	0
39	Early Prediction of Hemodynamic Shock in Pediatric Intensive Care Units With Deep Learning on Thermal Videos. Frontiers in Physiology, 0, 13, .	1.3	2