

# Tavpritesh Sethi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4682494/publications.pdf>

Version: 2024-02-01

39  
papers

1,040  
citations

566801

15  
h-index

433756

31  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1656  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational classification of mitochondrial shapes reflects stress and redox state. <i>Cell Death and Disease</i> , 2013, 4, e461-e461.	2.7	167
2	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
3	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
4	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
5	Symptoms and medical conditions in 204912 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
6	Ayurgenomics: A New Way of Threading Molecular Variability for Stratified Medicine. <i>ACS Chemical Biology</i> , 2011, 6, 875-880.	1.6	56
7	Artificial Intelligence in Surveillance, Diagnosis, Drug Discovery and Vaccine Development against COVID-19. <i>Pathogens</i> , 2021, 10, 1048.	1.2	45
8	Exhaled breath condensate metabolome clusters for endotype discovery in asthma. <i>Journal of Translational Medicine</i> , 2017, 15, 262.	1.8	44
9	Multifaceted remodeling by vitamin C boosts sensitivity of <i>Mycobacterium tuberculosis</i> subpopulations to combination treatment by anti-tubercular drugs. <i>Redox Biology</i> , 2018, 15, 452-466.	3.9	39
10	Recapitulation of Ayurveda constitution types by machine learning of phenotypic traits. <i>PLoS ONE</i> , 2017, 12, e0185380.	1.1	35
11	Predicting Hemodynamic Shock from Thermal Images using Machine Learning. <i>Scientific Reports</i> , 2019, 9, 91.	1.6	35
12	Learning the Mental Health Impact of COVID-19 in the United States With Explainable Artificial Intelligence: Observational Study. <i>JMIR Mental Health</i> , 2021, 8, e25097.	1.7	28
13	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
14	A machine learning application for raising WASH awareness in the times of COVID-19 pandemic. <i>Scientific Reports</i> , 2022, 12, 810.	1.6	25
15	Predictors of long-term outcomes in patients with acute severe colitis: A northern Indian cohort study. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2018, 33, 615-622.	1.4	21
16	COVID-19 Risk Stratification and Mortality Prediction in Hospitalized Indian Patients: Harnessing clinical data for public health benefits. <i>PLoS ONE</i> , 2022, 17, e0264785.	1.1	16
17	Role of Impulse Oscillometry in Assessing Asthma Control in Children. <i>Indian Pediatrics</i> , 2020, 57, 119-123.	0.2	11
18	VacSIM: Learning effective strategies for COVID-19 vaccine distribution using reinforcement learning. <i>Intelligence-based Medicine</i> , 2022, , 100060.	1.4	10

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19	Fractional exhaled nitric oxide in children with acute exacerbation of asthma. <i>Indian Pediatrics</i> , 2014, 51, 105-111.	0.2	9
20	Big Data Analysis of Traditional Knowledge-based Ayurveda Medicine. <i>Progress in Preventive Medicine (New York, N Y)</i> , 2018, 3, e0020.	0.7	9
21	Establishment of Elevated Serum Levels of IL-10, IL-8 and TNF- $\hat{\alpha}$ 2 as Potential Peripheral Blood Biomarkers in Tubercular Lymphadenitis: A Prospective Observational Cohort Study. <i>PLoS ONE</i> , 2016, 11, e0145576.	1.1	9
22	Structure and function of the tuberculous lung: Considerations for inhaled therapies. <i>Tuberculosis</i> , 2011, 91, 67-70.	0.8	8
23	Validating the Tele-diagnostic Potential of Affordable Thermography in a Big-data Data-enabled ICU. , 2017, , .		8
24	Psychometric Analysis and Coupling of Emotions Between State Bulletins and Twitter in India During COVID-19 Infodemic. <i>Frontiers in Communication</i> , 2021, 6, .	0.6	6
25	Estimating the impact of health systems factors on antimicrobial resistance in priority pathogens. <i>Journal of Global Antimicrobial Resistance</i> , 2022, 30, 133-142.	0.9	6
26	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
27	Learning to Address Health Inequality in the United States with a Bayesian Decision Network. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019, 33, 710-717.	3.6	5
28	Role of Impulse Oscillometry in Assessing Asthma Control in Children. <i>Indian Pediatrics</i> , 2020, 57, 119-123.	0.2	4
29	Stewarding antibiotic stewardship in intensive care units with Bayesian artificial intelligence. <i>Wellcome Open Research</i> , 0, 3, 73.	0.9	3
30	Early Prediction of Hemodynamic Shock in Pediatric Intensive Care Units With Deep Learning on Thermal Videos. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	2
31	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
32	Interpretable artificial intelligence: Closing the adoption gap in healthcare. , 2020, , 3-29.		1
33	COVID-19 Mask Usage and Social Distancing in Social Media Images: Large-scale Deep Learning Analysis. <i>JMIR Public Health and Surveillance</i> , 2022, 8, e26868.	1.2	1
34	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
35	Predicting Emerging Themes in Rapidly Expanding COVID-19 Literature With Unsupervised Word Embeddings and Machine Learning: Evidence-Based Study. <i>Journal of Medical Internet Research</i> , 2022, 24, e34067.	2.1	1
36	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. <i>Neurology India</i> , 2021, 69, 1318-1325.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Leveraging Thermal Patterns in Children for Telemedicine. , 2017, , .		0
38	Big Data to Big Knowledge for Next Generation Medicine: A Data Science Roadmap. Studies in Big Data, 2018, , 371-399.	0.8	0
39	Mining Trends of COVID-19 Vaccine Beliefs on Twitter With Lexical Embeddings: Longitudinal Observational Study. JMIR Infodemiology, 0, 3, e34315.	1.0	0