

Nam K Tran

List of Publications by Year in Descending Order

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Version: 2024-04-26

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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.

81
papers

1,274
citations

19
h-index

33
g-index

92
ext. papers

1,657
ext. citations

2.8
avg, IF

4.62
L-index

#	Paper	IF	Citations
81	Prediction of Tuberculosis Using an Automated Machine Learning Platform for Models Trained on Synthetic Data.. <i>Journal of Pathology Informatics</i> , 2022 , 13, 10	4.4	
80	Innovations in infectious disease testing: Leveraging COVID-19 pandemic technologies for the future.. <i>Clinical Biochemistry</i> , 2022 ,	3.5	1
79	The Impact of Point-of-Care Polymerase Chain Reaction Testing on Prescribing Practices in Primary Care for Management of Strep A: A Retrospective Before-After Study.. <i>Open Forum Infectious Diseases</i> , 2022 , 9, ofac147	1	
78	Comparing Hepatitis C Virus Screening in Clinics Versus the Emergency Department. <i>Western Journal of Emergency Medicine</i> , 2022 , 23, 312-317	3.3	
77	Point-of-care COVID-19 testing in the emergency department: current status and future prospects. <i>Expert Review of Molecular Diagnostics</i> , 2021 , 21, 1333-1340	3.8	3
76	The prevalence of elevated biotin in patient cohorts presenting for routine endocrinology, sepsis, and infectious disease testing. <i>Clinical Biochemistry</i> , 2021 , 99, 118-118	3.5	
75	Novel application of automated machine learning with MALDI-TOF-MS for rapid high-throughput screening of COVID-19: a proof of concept. <i>Scientific Reports</i> , 2021 , 11, 8219	4.9	18
74	Longitudinal profiling of the burn patient cutaneous and gastrointestinal microbiota: a pilot study. <i>Scientific Reports</i> , 2021 , 11, 10667	4.9	0
73	A Multicenter Evaluation of a Point-of-Care Blood Glucose Meter System in Critically Ill Patients. <i>journal of applied laboratory medicine, The</i> , 2021 , 6, 820-833	2	0
72	Universal Screening for Hepatitis C Virus in the ED Using a Best Practice Advisory. <i>Western Journal of Emergency Medicine</i> , 2021 , 22, 719-725	3.3	2
71	SARS-CoV-2 induces robust germinal center CD4 T follicular helper cell responses in rhesus macaques. <i>Nature Communications</i> , 2021 , 12, 541	17.4	32
70	Clinical Performance of the Point-of-Care cobas Liat for Detection of SARS-CoV-2 in 20 Minutes: a Multicenter Study. <i>Journal of Clinical Microbiology</i> , 2021 , 59,	9.7	34
69	Enhancing Military Burn- and Trauma-Related Acute Kidney Injury Prediction Through an Automated Machine Learning Platform and Point-of-Care Testing. <i>Archives of Pathology and Laboratory Medicine</i> , 2021 , 145, 320-326	5	4
68	Nasopharyngeal SARS-CoV-2 viral loads in young children do not differ significantly from those in older children and adults. <i>Scientific Reports</i> , 2021 , 11, 3044	4.9	26
67	Automated En Masse Machine Learning Model Generation Shows Comparable Performance as Classic Regression Models for Predicting Delayed Graft Function in Renal Allografts. <i>Transplantation</i> , 2021 , 105, 2646-2654	1.8	2
66	Machine learning in health care and laboratory medicine: General overview of supervised learning and Auto-ML. <i>International Journal of Laboratory Hematology</i> , 2021 , 43 Suppl 1, 15-22	2.5	3
65	Evolving Applications of Artificial Intelligence and Machine Learning in Infectious Diseases Testing.. <i>Clinical Chemistry</i> , 2021 , 68, 125-133	5.5	3

64	Relationship of Cerebrospinal Fluid Vitamin B12 Status Markers With Parkinson's Disease Progression. <i>Movement Disorders</i> , 2020 , 35, 1466-1471	7	7
63	Acetaminophen interference with Nova StatStrip Glucose Meter: case report with bench top confirmation. <i>Clinical Toxicology</i> , 2020 , 58, 1067-1070	2.9	2
62	Early Recognition of Burn- and Trauma-Related Acute Kidney Injury: A Pilot Comparison of Machine Learning Techniques. <i>Scientific Reports</i> , 2020 , 10, 205	4.9	23
61	Clinical risk assessment of biotin interference with a high-sensitivity cardiac troponin T assay. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 1931-1940	5.9	7
60	Novel application of an automated-machine learning development tool for predicting burn sepsis: proof of concept. <i>Scientific Reports</i> , 2020 , 10, 12354	4.9	14
59	Diagnostic Reclassification by a High-Sensitivity Cardiac Troponin Assay. <i>Annals of Emergency Medicine</i> , 2020 , 76, 566-579	2.1	4
58	Characterizing Fentanyl Variability Using Population Pharmacokinetics in Pediatric Burn Patients. <i>Journal of Burn Care and Research</i> , 2020 , 41, 8-14	0.8	0
57	Investigating Transfusion-related Sepsis Using Culture-Independent Metagenomic Sequencing. <i>Clinical Infectious Diseases</i> , 2020 , 71, 1179-1185	11.6	13
56	7 Artificial Intelligence and Machine Learning as a Predictive Tool for Acute Kidney Injury in Trauma and Severely Burned Patients. <i>Journal of Burn Care and Research</i> , 2020 , 41, S7-S8	0.8	
55	Best practices in mitigating the risk of biotin interference with laboratory testing. <i>Clinical Biochemistry</i> , 2019 , 74, 1-11	3.5	25
54	Artificial Intelligence and Machine Learning in Pathology: The Present Landscape of Supervised Methods. <i>Academic Pathology</i> , 2019 , 6, 2374289519873088	1.3	85
53	Artificial intelligence and machine learning for predicting acute kidney injury in severely burned patients: A proof of concept. <i>Burns</i> , 2019 , 45, 1350-1358	2.3	32
52	An insulin-dose error assessment grid: A new tool to evaluate glucose meter performance. <i>Clinical Biochemistry</i> , 2019 , 70, 30-33	3.5	1
51	Identification of Cytochrome P450 Polymorphisms in Burn Patients and Impact on Fentanyl Pharmacokinetics: A Pilot Study. <i>Journal of Burn Care and Research</i> , 2019 , 40, 91-96	0.8	4
50	Prospective study of serum and ionized magnesium pharmacokinetics in the treatment of children with severe acute asthma. <i>European Journal of Clinical Pharmacology</i> , 2019 , 75, 59-66	2.8	5
49	Early clinical complete blood count changes in severe burn injuries. <i>Burns</i> , 2019 , 45, 97-102	2.3	14
48	Implementation of High-Sensitivity Cardiac Troponin: Challenges From the International Experience. <i>Critical Pathways in Cardiology</i> , 2018 , 17, 173-178	1.3	3
47	Traumatic injury clinical trial evaluating tranexamic acid in children (TIC-TOC): study protocol for a pilot randomized controlled trial. <i>Trials</i> , 2018 , 19, 593	2.8	13

46	Bedside Glucose Monitoring-Is it Safe? A New, Regulatory-Compliant Risk Assessment Evaluation Protocol in Critically Ill Patient Care Settings. <i>Critical Care Medicine</i> , 2017 , 45, 567-574	1.4	29
45	Does Regulatory Really Intersect Reality in Glucose Measurement in the ICU? Is the Issue Testing Method Accuracy or Specimen Type?. <i>Critical Care Medicine</i> , 2017 , 45, e1186-e1188	1.4	1
44	Sodium variability is associated with increased mortality in severe burn injury. <i>Burns and Trauma</i> , 2017 , 5, 34	5.3	13
43	Prospective observational study of point-of-care creatinine in trauma. <i>Trauma Surgery and Acute Care Open</i> , 2016 , 1, e000014	2.4	7
42	Clinical Impact of Accurate Point-of-Care Glucose Monitoring for Tight Glycemic Control in Severely Burned Children. <i>Pediatric Critical Care Medicine</i> , 2016 , 17, e406-12	3	15
41	Design of a cost-effective, hemodynamically adjustable model for resuscitative endovascular balloon occlusion of the aorta (REBOA) simulation. <i>Journal of Trauma and Acute Care Surgery</i> , 2016 , 81, 606-11	3.3	10
40	A Retrospective Analysis of Clinical Laboratory Interferences Caused by Frequently Administered Medications in Burn Patients. <i>Journal of Burn Care and Research</i> , 2016 , 37, e10-7	0.8	5
39	Development and Implementation of an Innovative Burn Nursing Handbook for Quality Improvement. <i>Journal of Burn Care and Research</i> , 2016 , 37, 20-4	0.8	9
38	Development and evaluation of a novel smart device-based application for burn assessment and management. <i>Burns</i> , 2015 , 41, 754-60	2.3	16
37	Whole blood neutrophil gelatinase-associated lipocalin predicts acute kidney injury in burn patients. <i>Journal of Surgical Research</i> , 2015 , 196, 382-7	2.5	22
36	Point-of-care B-type natriuretic peptide and neutrophil gelatinase-associated lipocalin measurements for acute resuscitation: a pilot study. <i>Journal of Burn Care and Research</i> , 2015 , 36, e26-33	0.8	10
35	Gap analysis of pharmacokinetics and pharmacodynamics in burn patients: a review. <i>Journal of Burn Care and Research</i> , 2015 , 36, e194-211	0.8	15
34	Identification of Gram-Negative Bacteria and Genetic Resistance Determinants from Positive Blood Culture Broths by Use of the Verigene Gram-Negative Blood Culture Multiplex Microarray-Based Molecular Assay. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 2460-72	9.7	103
33	Clinical impact of sample interference on intensive insulin therapy in severely burned patients: a pilot study. <i>Journal of Burn Care and Research</i> , 2014 , 35, 72-9	0.8	17
32	Computing the surveillance error grid analysis: procedure and examples. <i>Journal of Diabetes Science and Technology</i> , 2014 , 8, 673-84	4.1	30
31	Neutrophil gelatinase-associated lipocalin: ready for routine clinical use? An international perspective. <i>Blood Purification</i> , 2014 , 37, 271-85	3.1	66
30	Development of novel smart device based application for serial wound imaging and management. <i>Burns</i> , 2013 , 39, 1395-402	2.3	12
29	Sampling Theory for Molecular- and Blood Culture-Based Techniques. <i>Point of Care</i> , 2013 , 12, 52-57	0.4	

28	Point-of-Care Monitoring Devices in Critical Emergency Disaster Care. <i>Handbook Series for Mechanical Engineering</i> , 2013 , 603-618		
27	Multiplex polymerase chain reaction pathogen detection in patients with suspected septicemia after trauma, emergency, and burn surgery. <i>Surgery</i> , 2012 , 151, 456-63	3.6	19
26	Point-of-Care Testing at the Disaster-Emergency-Critical Care Interface. <i>Point of Care</i> , 2012 , 11, 180-183	0.4	12
25	Multiplex PCR pathogen detection in two severely burned patients with suspected septicemia. <i>Journal of Burn Care and Research</i> , 2011 , 32, e172-7	0.8	4
24	Mapping point-of-care performance using locally-smoothed median and maximum absolute difference curves. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011 , 49, 1637-46	5.9	6
23	Enhancing crisis standards of care using innovative point-of-care testing. <i>American Journal of Disaster Medicine</i> , 2011 , 6, 351-68	0.6	20
22	Evidence-Based Point-of-Care Device Design for Emergency and Disaster Care. <i>Point of Care</i> , 2010 , 9, 65-69	0.4	14
21	Future Connectivity for Disaster and Emergency Point of Care. <i>Point of Care</i> , 2010 , 9, 185-192	0.4	13
20	Assessing thrombin generation at the point of care. <i>Clinical Chemistry</i> , 2009 , 55, 398-9	5.5	3
19	Point-of-care testing for disasters: needs assessment, strategic planning, and future design. <i>Clinics in Laboratory Medicine</i> , 2009 , 29, 583-605	2.1	18
18	Point-of-care glucose testing in critically ill patients: visual logistics and a glycemic variability hypothesis. <i>Critical Care Medicine</i> , 2009 , 37, 2841-3	1.4	3
17	Locally Smoothed Median Absolute Difference Curves and the First Global Performance Cooperative. <i>Point of Care</i> , 2009 , 8, 45-52	0.4	7
16	Thermal stress and point-of-care testing performance: suitability of glucose test strips and blood gas cartridges for disaster response. <i>Disaster Medicine and Public Health Preparedness</i> , 2009 , 3, 13-7	2.8	28
15	Point-of-care glucose testing in critically ill patients: Visual logistics and a glycemic variability hypothesis *. <i>Critical Care Medicine</i> , 2009 , 37, 2841-2843	1.4	
14	Evaluation of point-of-care glucose testing accuracy using locally-smoothed median absolute difference curves. <i>Clinica Chimica Acta</i> , 2008 , 389, 31-9	6.2	49
13	Global Standardization and Improved Technologies for Point-of-Care Glucose Testing. <i>Clinica Chimica Acta</i> , 2008 , 391, 127-128	6.2	6
12	Assessing the performance of handheld glucose testing for critical care. <i>Diabetes Technology and Therapeutics</i> , 2008 , 10, 445-51	8.1	18
11	Point-of-Care Testing: Principles, Practice, and Critical-Emergency-Disaster Medicine 2008 ,		5

10	Quantitative Point-of-Care Pathogen Detection in Septicemia. <i>Point of Care</i> , 2008 , 7, 107-110	0.4	4
9	Multiplex polymerase chain reaction detection enhancement of bacteremia and fungemia. <i>Critical Care Medicine</i> , 2008 , 36, 1487-92	1.4	131
8	Knowledge =Education =Mind Connectivity. <i>Point of Care</i> , 2008 , 7, 69-71	0.4	4
7	The Grand Point-of-Care Challenge. <i>Point of Care</i> , 2008 , 7, 105-107	0.4	1
6	Katrina, the tsunami, and point-of-care testing: optimizing rapid response diagnosis in disasters. <i>American Journal of Clinical Pathology</i> , 2006 , 126, 513-20	1.9	71
5	Worldwide Point-of-Care Testing. <i>Point of Care</i> , 2006 , 5, 84-92	0.4	14
4	Guidelines for Home Testing in Primary Care. <i>Point of Care</i> , 2006 , 5, 145-154	0.4	2
3	Point-of-Care Testing and Cardiac Biomarkers: The Standard of Care and Vision for Chest Pain Centers. <i>Cardiology Clinics</i> , 2005 , 23, 467-90, vi	2.5	43
2	Rapid Diagnosis of Sepsis. <i>Point of Care</i> , 2003 , 2, 163-171	0.4	4
1	Economic Implications of Optimal Diagnosis and Treatment of Sepsis □Work in Progress: Marginal Penalties, Antibiotic Alterations, and Outcome Hypotheses. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2003 , 63, 16-26	2	1