

# Nam K Tran

## List of Publications by Citations

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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	Multiplex polymerase chain reaction detection enhancement of bacteremia and fungemia. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 1487-92	1.4	131
80	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> , <b>2015</b> , 53, 2460-72	9.7	103
79	Artificial Intelligence and Machine Learning in Pathology: The Present Landscape of Supervised Methods. <i>Academic Pathology</i> , <b>2019</b> , 6, 2374289519873088	1.3	85
78	Katrina, the tsunami, and point-of-care testing: optimizing rapid response diagnosis in disasters. <i>American Journal of Clinical Pathology</i> , <b>2006</b> , 126, 513-20	1.9	71
77	Neutrophil gelatinase-associated lipocalin: ready for routine clinical use? An international perspective. <i>Blood Purification</i> , <b>2014</b> , 37, 271-85	3.1	66
76	Evaluation of point-of-care glucose testing accuracy using locally-smoothed median absolute difference curves. <i>Clinica Chimica Acta</i> , <b>2008</b> , 389, 31-9	6.2	49
75	Point-of-Care Testing and Cardiac Biomarkers: The Standard of Care and Vision for Chest Pain Centers. <i>Cardiology Clinics</i> , <b>2005</b> , 23, 467-90, vi	2.5	43
74	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> , <b>2021</b> , 59,	9.7	34
73	Artificial intelligence and machine learning for predicting acute kidney injury in severely burned patients: A proof of concept. <i>Burns</i> , <b>2019</b> , 45, 1350-1358	2.3	32
72	SARS-CoV-2 induces robust germinal center CD4 T follicular helper cell responses in rhesus macaques. <i>Nature Communications</i> , <b>2021</b> , 12, 541	17.4	32
71	Computing the surveillance error grid analysis: procedure and examples. <i>Journal of Diabetes Science and Technology</i> , <b>2014</b> , 8, 673-84	4.1	30
70	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> , <b>2017</b> , 45, 567-574	1.4	29
69	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> , <b>2009</b> , 3, 13-7	2.8	28
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> , <b>2021</b> , 11, 3044	4.9	26
67	Best practices in mitigating the risk of biotin interference with laboratory testing. <i>Clinical Biochemistry</i> , <b>2019</b> , 74, 1-11	3.5	25
66	Early Recognition of Burn- and Trauma-Related Acute Kidney Injury: A Pilot Comparison of Machine Learning Techniques. <i>Scientific Reports</i> , <b>2020</b> , 10, 205	4.9	23
65	Whole blood neutrophil gelatinase-associated lipocalin predicts acute kidney injury in burn patients. <i>Journal of Surgical Research</i> , <b>2015</b> , 196, 382-7	2.5	22

64	Enhancing crisis standards of care using innovative point-of-care testing. <i>American Journal of Disaster Medicine</i> , <b>2011</b> , 6, 351-68	0.6	20
63	Multiplex polymerase chain reaction pathogen detection in patients with suspected septicemia after trauma, emergency, and burn surgery. <i>Surgery</i> , <b>2012</b> , 151, 456-63	3.6	19
62	Point-of-care testing for disasters: needs assessment, strategic planning, and future design. <i>Clinics in Laboratory Medicine</i> , <b>2009</b> , 29, 583-605	2.1	18
61	Assessing the performance of handheld glucose testing for critical care. <i>Diabetes Technology and Therapeutics</i> , <b>2008</b> , 10, 445-51	8.1	18
60	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> , <b>2021</b> , 11, 8219	4.9	18
59	Clinical impact of sample interference on intensive insulin therapy in severely burned patients: a pilot study. <i>Journal of Burn Care and Research</i> , <b>2014</b> , 35, 72-9	0.8	17
58	Development and evaluation of a novel smart device-based application for burn assessment and management. <i>Burns</i> , <b>2015</b> , 41, 754-60	2.3	16
57	Clinical Impact of Accurate Point-of-Care Glucose Monitoring for Tight Glycemic Control in Severely Burned Children. <i>Pediatric Critical Care Medicine</i> , <b>2016</b> , 17, e406-12	3	15
56	Gap analysis of pharmacokinetics and pharmacodynamics in burn patients: a review. <i>Journal of Burn Care and Research</i> , <b>2015</b> , 36, e194-211	0.8	15
55	Evidence-Based Point-of-Care Device Design for Emergency and Disaster Care. <i>Point of Care</i> , <b>2010</b> , 9, 65-69	0.4	14
54	Worldwide Point-of-Care Testing. <i>Point of Care</i> , <b>2006</b> , 5, 84-92	0.4	14
53	Novel application of an automated-machine learning development tool for predicting burn sepsis: proof of concept. <i>Scientific Reports</i> , <b>2020</b> , 10, 12354	4.9	14
52	Early clinical complete blood count changes in severe burn injuries. <i>Burns</i> , <b>2019</b> , 45, 97-102	2.3	14
51	Sodium variability is associated with increased mortality in severe burn injury. <i>Burns and Trauma</i> , <b>2017</b> , 5, 34	5.3	13
50	Future Connectivity for Disaster and Emergency Point of Care. <i>Point of Care</i> , <b>2010</b> , 9, 185-192	0.4	13
49	Investigating Transfusion-related Sepsis Using Culture-Independent Metagenomic Sequencing. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 1179-1185	11.6	13
48	Traumatic injury clinical trial evaluating tranexamic acid in children (TIC-TOC): study protocol for a pilot randomized controlled trial. <i>Trials</i> , <b>2018</b> , 19, 593	2.8	13
47	Development of novel smart device based application for serial wound imaging and management. <i>Burns</i> , <b>2013</b> , 39, 1395-402	2.3	12

46	Point-of-Care Testing at the Disaster-Emergency-Critical Care Interface. <i>Point of Care</i> , <b>2012</b> , 11, 180-183	0.4	12
45	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> , <b>2015</b> , 36, e26-33	0.8	10
44	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> , <b>2016</b> , 81, 606-11	3.3	10
43	Development and Implementation of an Innovative Burn Nursing Handbook for Quality Improvement. <i>Journal of Burn Care and Research</i> , <b>2016</b> , 37, 20-4	0.8	9
42	Relationship of Cerebrospinal Fluid Vitamin B12 Status Markers With Parkinson's Disease Progression. <i>Movement Disorders</i> , <b>2020</b> , 35, 1466-1471	7	7
41	Prospective observational study of point-of-care creatinine in trauma. <i>Trauma Surgery and Acute Care Open</i> , <b>2016</b> , 1, e000014	2.4	7
40	Locally Smoothed Median Absolute Difference Curves and the First Global Performance Cooperative. <i>Point of Care</i> , <b>2009</b> , 8, 45-52	0.4	7
39	Clinical risk assessment of biotin interference with a high-sensitivity cardiac troponin T assay. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2020</b> , 58, 1931-1940	5.9	7
38	Mapping point-of-care performance using locally-smoothed median and maximum absolute difference curves. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2011</b> , 49, 1637-46	5.9	6
37	Global Standardization and Improved Technologies for Point-of-Care Glucose Testing. <i>Clinica Chimica Acta</i> , <b>2008</b> , 391, 127-128	6.2	6
36	A Retrospective Analysis of Clinical Laboratory Interferences Caused by Frequently Administered Medications in Burn Patients. <i>Journal of Burn Care and Research</i> , <b>2016</b> , 37, e10-7	0.8	5
35	Point-of-Care Testing: Principles, Practice, and Critical-Emergency-Disaster Medicine <b>2008</b> ,		5
34	Prospective study of serum and ionized magnesium pharmacokinetics in the treatment of children with severe acute asthma. <i>European Journal of Clinical Pharmacology</i> , <b>2019</b> , 75, 59-66	2.8	5
33	Multiplex PCR pathogen detection in two severely burned patients with suspected septicemia. <i>Journal of Burn Care and Research</i> , <b>2011</b> , 32, e172-7	0.8	4
32	Quantitative Point-of-Care Pathogen Detection in Septicemia. <i>Point of Care</i> , <b>2008</b> , 7, 107-110	0.4	4
31	Knowledge = Education = Mind Connectivity. <i>Point of Care</i> , <b>2008</b> , 7, 69-71	0.4	4
30	Rapid Diagnosis of Sepsis. <i>Point of Care</i> , <b>2003</b> , 2, 163-171	0.4	4
29	Diagnostic Reclassification by a High-Sensitivity Cardiac Troponin Assay. <i>Annals of Emergency Medicine</i> , <b>2020</b> , 76, 566-579	2.1	4

28	Identification of Cytochrome P450 Polymorphisms in Burn Patients and Impact on Fentanyl Pharmacokinetics: A Pilot Study. <i>Journal of Burn Care and Research</i> , <b>2019</b> , 40, 91-96	0.8	4
27	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> , <b>2021</b> , 145, 320-326	5	4
26	Assessing thrombin generation at the point of care. <i>Clinical Chemistry</i> , <b>2009</b> , 55, 398-9	5.5	3
25	Point-of-care glucose testing in critically ill patients: visual logistics and a glycemic variability hypothesis. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 2841-3	1.4	3
24	Point-of-care COVID-19 testing in the emergency department: current status and future prospects. <i>Expert Review of Molecular Diagnostics</i> , <b>2021</b> , 21, 1333-1340	3.8	3
23	Implementation of High-Sensitivity Cardiac Troponin: Challenges From the International Experience. <i>Critical Pathways in Cardiology</i> , <b>2018</b> , 17, 173-178	1.3	3
22	Machine learning in health care and laboratory medicine: General overview of supervised learning and Auto-ML. <i>International Journal of Laboratory Hematology</i> , <b>2021</b> , 43 Suppl 1, 15-22	2.5	3
21	Evolving Applications of Artificial Intelligence and Machine Learning in Infectious Diseases Testing.. <i>Clinical Chemistry</i> , <b>2021</b> , 68, 125-133	5.5	3
20	Acetaminophen interference with Nova StatStrip Glucose Meter: case report with bench top confirmation. <i>Clinical Toxicology</i> , <b>2020</b> , 58, 1067-1070	2.9	2
19	Guidelines for Home Testing in Primary Care. <i>Point of Care</i> , <b>2006</b> , 5, 145-154	0.4	2
18	Universal Screening for Hepatitis C Virus in the ED Using a Best Practice Advisory. <i>Western Journal of Emergency Medicine</i> , <b>2021</b> , 22, 719-725	3.3	2
17	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> , <b>2021</b> , 105, 2646-2654	1.8	2
16	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> , <b>2017</b> , 45, e1186-e1188	1.4	1
15	An insulin-dose error assessment grid: A new tool to evaluate glucose meter performance. <i>Clinical Biochemistry</i> , <b>2019</b> , 70, 30-33	3.5	1
14	The Grand Point-of-Care Challenge. <i>Point of Care</i> , <b>2008</b> , 7, 105-107	0.4	1
13	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> , <b>2003</b> , 63, 16-26	2	1
12	Innovations in infectious disease testing: Leveraging COVID-19 pandemic technologies for the future.. <i>Clinical Biochemistry</i> , <b>2022</b> ,	3.5	1
11	Longitudinal profiling of the burn patient cutaneous and gastrointestinal microbiota: a pilot study. <i>Scientific Reports</i> , <b>2021</b> , 11, 10667	4.9	0

10	A Multicenter Evaluation of a Point-of-Care Blood Glucose Meter System in Critically Ill Patients. <i>Journal of applied laboratory medicine, The</i> , <b>2021</b> , 6, 820-833	2	0
9	Characterizing Fentanyl Variability Using Population Pharmacokinetics in Pediatric Burn Patients. <i>Journal of Burn Care and Research</i> , <b>2020</b> , 41, 8-14	0.8	0
8	Sampling Theory for Molecular- and Blood Culture-Based Techniques. <i>Point of Care</i> , <b>2013</b> , 12, 52-57	0.4	
7	Point-of-care glucose testing in critically ill patients: Visual logistics and a glycemic variability hypothesis *. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 2841-2843	1.4	
6	Prediction of Tuberculosis Using an Automated Machine Learning Platform for Models Trained on Synthetic Data.. <i>Journal of Pathology Informatics</i> , <b>2022</b> , 13, 10	4.4	
5	The prevalence of elevated biotin in patient cohorts presenting for routine endocrinology, sepsis, and infectious disease testing. <i>Clinical Biochemistry</i> , <b>2021</b> , 99, 118-118	3.5	
4	Point-of-Care Monitoring Devices in Critical Emergency Disaster Care. <i>Handbook Series for Mechanical Engineering</i> , <b>2013</b> , 603-618		
3	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> , <b>2020</b> , 41, S7-S8	0.8	
2	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> , <b>2022</b> , 9, ofac147	1	
1	Comparing Hepatitis C Virus Screening in Clinics Versus the Emergency Department. <i>Western Journal of Emergency Medicine</i> , <b>2022</b> , 23, 312-317	3.3	