

# Tomasz Leski

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,322  
citations

331670

21  
h-index

361022

35  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Penicillin-Binding Protein 2 (PBP2) in the Antibiotic Susceptibility and Cell Wall Cross-Linking of <i>Staphylococcus aureus</i> : Evidence for the Cooperative Functioning of PBP2, PBP4, and PBP2A. <i>Journal of Bacteriology</i> , 2005, 187, 1815-1824.	2.2	145
2	Evolution of a Vancomycin-Intermediate <i>Staphylococcus aureus</i> Strain In Vivo: Multiple Changes in the Antibiotic Resistance Phenotypes of a Single Lineage of Methicillin-Resistant <i>S. aureus</i> under the Impact of Antibiotics Administered for Chemotherapy. <i>Journal of Clinical Microbiology</i> , 2003, 41, 1687-1693.	3.9	127
3	Multidrug-resistant tet(X)-containing hospital isolates in Sierra Leone. <i>International Journal of Antimicrobial Agents</i> , 2013, 42, 83-86.	2.5	90
4	Discovery of a Significant Optical Chromatographic Difference between Spores of <i>Bacillus anthracis</i> and Its Close Relative, <i>Bacillus thuringiensis</i> . <i>Analytical Chemistry</i> , 2006, 78, 3221-3225.	6.5	75
5	Antimicrobial Resistance Determinants in <i>Acinetobacter baumannii</i> Isolates Taken from Military Treatment Facilities. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 767-781.	3.2	66
6	Application of a Broad-Range Resequencing Array for Detection of Pathogens in Desert Dust Samples from Kuwait and Iraq. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4285-4292.	3.1	62
7	High prevalence of multidrug resistant Enterobacteriaceae isolated from outpatient urine samples but not the hospital environment in Bo, Sierra Leone. <i>BMC Infectious Diseases</i> , 2016, 16, 167.	2.9	57
8	Testing and Validation of High Density Resequencing Microarray for Broad Range Biothreat Agents Detection. <i>PLoS ONE</i> , 2009, 4, e6569.	2.5	52
9	Identification of <i>bla</i> <sub>OXA-51-like</sub> , <i>bla</i> <sub>OXA-58</sub> , <i>bla</i> <sub>DIM-1</sub> , and <i>bla</i> <sub>VIM</sub> Carbapenemase Genes in Hospital Enterobacteriaceae Isolates from Sierra Leone. <i>Journal of Clinical Microbiology</i> , 2013, 51, 2435-2438.	3.9	47
10	Broad Spectrum Respiratory Pathogen Analysis of Throat Swabs from Military Recruits Reveals Interference Between Rhinoviruses and Adenoviruses. <i>Microbial Ecology</i> , 2010, 59, 623-634.	2.8	43
11	Identification and Classification of <i>bcl</i> Genes and Proteins of <i>Bacillus cereus</i> Group Organisms and Their Application in <i>Bacillus anthracis</i> Detection and Fingerprinting. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7163-7172.	3.1	41
12	Antimicrobial resistance of <i>Klebsiella pneumoniae</i> stool isolates circulating in Kenya. <i>PLoS ONE</i> , 2017, 12, e0178880.	2.5	40
13	A saliva-based rapid test to quantify the infectious subclinical malaria parasite reservoir. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	40
14	Sequence Variability and Geographic Distribution of Lassa Virus, Sierra Leone. <i>Emerging Infectious Diseases</i> , 2015, 21, 609-618.	4.3	38
15	Multidrug resistance determinants from NDM-1-producing <i>Klebsiella pneumoniae</i> in the USA. <i>International Journal of Antimicrobial Agents</i> , 2012, 40, 282-284.	2.5	34
16	Sample concentration using optical chromatography. <i>Optics Express</i> , 2007, 15, 2724.	3.4	29
17	Use of real-time multiplex PCR, malaria rapid diagnostic test and microscopy to investigate the prevalence of <i>Plasmodium</i> species among febrile hospital patients in Sierra Leone. <i>Malaria Journal</i> , 2020, 19, 84.	2.3	27
18	The <i>svu3</i> nuclear gene product is required for the in vivo processing of the yeast mitochondrial 21s rRNA transcripts containing the r1 intron. <i>Current Genetics</i> , 1995, 27, 234-238.	1.7	25

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19	Use of the FilmArray System for Detection of Zaire ebolavirus in a Small Hospital in Bo, Sierra Leone. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2368-2370.	3.9	23
20	Label-Free Detection of <i>Bacillus anthracis</i> Spore Uptake in Macrophage Cells Using Analytical Optical Force Measurements. <i>Analytical Chemistry</i> , 2017, 89, 10296-10302.	6.5	23
21	Molecular Characterization of Multidrug Resistant Hospital Isolates Using the Antimicrobial Resistance Determinant Microarray. <i>PLoS ONE</i> , 2013, 8, e69507.	2.5	23
22	Reemergence of Chikungunya Virus in Bo, Sierra Leone. <i>Emerging Infectious Diseases</i> , 2013, 19, 1108-1110.	4.3	22
23	Presumptive self-diagnosis of malaria and other febrile illnesses in Sierra Leone. <i>Pan African Medical Journal</i> , 2013, 15, 34.	0.8	20
24	Clonal Structure of the Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Population in Poland: Revision and Update. <i>Microbial Drug Resistance</i> , 2005, 11, 127-136.	2.0	17
25	Water quality associated public health risk in Bo, Sierra Leone. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 241-251.	2.7	16
26	Preparative optical chromatography with external collection and analysis. <i>Optics Express</i> , 2008, 16, 18782.	3.4	13
27	Surveillance of Vector-Borne Infections (Chikungunya, Dengue, and Malaria) in Bo, Sierra Leone, 2012–2013. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 1151-1154.	1.4	13
28	Target amplification for broad spectrum microbial diagnostics and detection. <i>Future Microbiology</i> , 2010, 5, 191-203.	2.0	11
29	Seroprevalence of hepatitis B surface antigen (HBsAg) in Bo, Sierra Leone, 2012–2013. <i>BMC Research Notes</i> , 2018, 11, 113.	1.4	10
30	Rapid design and fielding of four diagnostic technologies in Sierra Leone, Thailand, Peru, and Australia: Successes and challenges faced introducing these biosensors. <i>Sensing and Bio-Sensing Research</i> , 2018, 20, 22-33.	4.2	8
31	Tracking Antimicrobial Resistance Determinants in Diarrheal Pathogens: A Cross-Institutional Pilot Study. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5928.	4.1	8
32	Application of resequencing microarrays in microbial detection and characterization. <i>Future Microbiology</i> , 2012, 7, 625-637.	2.0	7
33	Prevalence of Quinolone Resistance in Enterobacteriaceae from Sierra Leone and the Detection of <i>qnrB</i> Pseudogenes and Modified LexA Binding Sites. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6920-6923.	3.2	7
34	Optical chromatography for biological separations. , 2004, , .		6
35	Detection of <i>qnrVC</i> and <i>rmtB</i> genes from a multidrug-resistant <i>Ralstonia pickettii</i> wound infection isolate in Cambodia. <i>International Journal of Antimicrobial Agents</i> , 2014, 44, 84-85.	2.5	6
36	Antimicrobial resistance genotypes and phenotypes from multidrug-resistant bacterial wound infection isolates in Cambodia. <i>Journal of Global Antimicrobial Resistance</i> , 2015, 3, 198-204.	2.2	6

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37	Finished Genome Sequence of the Highly Multidrug-Resistant Human Urine Isolate <i>Citrobacter freundii</i> Strain SL151. <i>Genome Announcements</i> , 2016, 4, .	0.8	6
38	Leapfrog diagnostics: Demonstration of a broad spectrum pathogen identification platform in a resource-limited setting. <i>Health Research Policy and Systems</i> , 2012, 10, 22.	2.8	5
39	A comparison of methods for DNA preparation prior to microarray analysis. <i>Analytical Biochemistry</i> , 2019, 585, 113405.	2.4	5
40	A Survey of Antimicrobial Resistance Determinants in Category A Select Agents, Exempt Strains, and Near-Neighbor Species. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1669.	4.1	5
41	Prevalence of markers of HIV infection among febrile adults and children in Bo, Sierra Leone, 2012–2013. <i>BMC Research Notes</i> , 2017, 10, 565.	1.4	4
42	Optical chromatography for concentration of biological samples. , 2006, , .		2
43	Analysis of dust samples from the Middle East using high-density resequencing micro-array RPM-TEI. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
44	Microarray for rapid detection of microbial resistance genotypes. , 2011, , .		2
45	Antimicrobial resistance determinant microarray for analysis of multi-drug resistant isolates. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
46	Preparative separations using optical chromatography. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
47	Massively multiplexed microbial identification using resequencing DNA microarrays for outbreak investigation. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
48	Broad-spectrum identification and discrimination between biothreat agents and near-neighbor species. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
49	Comparison of capillary and venous blood for malaria detection using two PCR-based assays in febrile patients in Sierra Leone. <i>Malaria Journal</i> , 2021, 20, 133.	2.3	0