

Stephen J Salipante

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.

87
papers

3,803
citations

29
h-index

61
g-index

97
ext. papers

4,907
ext. citations

7.6
avg, IF

5.49
L-index

#	Paper	IF	Citations
87	Classification and characterization of microsatellite instability across 18 cancer types. <i>Nature Medicine</i> , 2016 , 22, 1342-1350	50.5	432
86	Microsatellite instability detection by next generation sequencing. <i>Clinical Chemistry</i> , 2014 , 60, 1192-9	5.5	237
85	Genetic Mechanisms of Immune Evasion in Colorectal Cancer. <i>Cancer Discovery</i> , 2018 , 8, 730-749	24.4	235
84	Single molecule molecular inversion probes for targeted, high-accuracy detection of low-frequency variation. <i>Genome Research</i> , 2013 , 23, 843-54	9.7	221
83	Performance comparison of Illumina and ion torrent next-generation sequencing platforms for 16S rRNA-based bacterial community profiling. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 7583-91	4.8	205
82	Validation and implementation of targeted capture and sequencing for the detection of actionable mutation, copy number variation, and gene rearrangement in clinical cancer specimens. <i>Journal of Molecular Diagnostics</i> , 2014 , 16, 56-67	5.1	203
81	Application of whole-genome sequencing for bacterial strain typing in molecular epidemiology. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 1072-9	9.7	185
80	Complex MSH2 and MSH6 mutations in hypermutated microsatellite unstable advanced prostate cancer. <i>Nature Communications</i> , 2014 , 5, 4988	17.4	182
79	ColoSeq provides comprehensive lynch and polyposis syndrome mutational analysis using massively parallel sequencing. <i>Journal of Molecular Diagnostics</i> , 2012 , 14, 357-66	5.1	163
78	Rapid 16S rRNA next-generation sequencing of polymicrobial clinical samples for diagnosis of complex bacterial infections. <i>PLoS ONE</i> , 2013 , 8, e65226	3.7	144
77	Gallium disrupts bacterial iron metabolism and has therapeutic effects in mice and humans with lung infections. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	127
76	A Year of Infection in the Intensive Care Unit: Prospective Whole Genome Sequencing of Bacterial Clinical Isolates Reveals Cryptic Transmissions and Novel Microbiota. <i>PLoS Genetics</i> , 2015 , 11, e1005413	6	125
75	Large-scale genomic sequencing of extraintestinal pathogenic Escherichia coli strains. <i>Genome Research</i> , 2015 , 25, 119-28	9.7	116
74	Genomic analysis of bone marrow failure and myelodysplastic syndromes reveals phenotypic and diagnostic complexity. <i>Haematologica</i> , 2015 , 100, 42-8	6.6	81
73	Phylogenetic fate mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 5448-53	11.5	73
72	Improving performance of multigene panels for genomic analysis of cancer predisposition. <i>Genetics in Medicine</i> , 2016 , 18, 974-81	8.1	60
71	Microsatellite instability in prostate cancer by PCR or next-generation sequencing 2018 , 6, 29		58

70	Inadequacies of minimum spanning trees in molecular epidemiology. <i>Journal of Clinical Microbiology</i> , 2011 , 49, 3568-75	9.7	53
69	Characterization of the Mechanisms of Daptomycin Resistance among Gram-Positive Bacterial Pathogens by Multidimensional Lipidomics. <i>MSphere</i> , 2017 , 2,	5	52
68	Digital PCR-An Emerging Technology with Broad Applications in Microbiology. <i>Clinical Chemistry</i> , 2020 , 66, 117-123	5.5	47
67	Mutations in a gene encoding a midbody kelch protein in familial and sporadic classical Hodgkin lymphoma lead to binucleated cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 14920-5	11.5	46
66	Detection of minimal residual disease in NPM1-mutated acute myeloid leukemia by next-generation sequencing. <i>Modern Pathology</i> , 2014 , 27, 1438-46	9.8	45
65	Clinical Next Generation Sequencing Outperforms Standard Microbiological Culture for Characterizing Polymicrobial Samples. <i>Clinical Chemistry</i> , 2016 , 62, 1465-1473	5.5	44
64	Evolved Aztreonam Resistance Is Multifactorial and Can Produce Hypervirulence in. <i>MBio</i> , 2017 , 8,	7.8	40
63	Traceless aptamer-mediated isolation of CD8 T cells for chimeric antigen receptor T-cell therapy. <i>Nature Biomedical Engineering</i> , 2019 , 3, 783-795	19	34
62	Accurate Pan-Cancer Molecular Diagnosis of Microsatellite Instability by Single-Molecule Molecular Inversion Probe Capture and High-Throughput Sequencing. <i>Clinical Chemistry</i> , 2018 , 64, 950-958	5.5	34
61	MSIplus for Integrated Colorectal Cancer Molecular Testing by Next-Generation Sequencing. <i>Journal of Molecular Diagnostics</i> , 2015 , 17, 705-14	5.1	33
60	CADD score has limited clinical validity for the identification of pathogenic variants in noncoding regions in a hereditary cancer panel. <i>Genetics in Medicine</i> , 2016 , 18, 1269-1275	8.1	30
59	Efficient and Scalable Precision Genome Editing in through Conditional Recombineering and CRISPR/Cas9-Mediated Counterselection. <i>MBio</i> , 2018 , 9,	7.8	29
58	Frequent PIK3CA Mutations in Colorectal and Endometrial Tumors With 2 or More Somatic Mutations in Mismatch Repair Genes. <i>Gastroenterology</i> , 2016 , 151, 440-447.e1	13.3	29
57	Phylogenetic analysis of developmental and postnatal mouse cell lineages. <i>Evolution & Development</i> , 2010 , 12, 84-94	2.6	25
56	A phylogenetic approach to mapping cell fate. <i>Current Topics in Developmental Biology</i> , 2007 , 79, 157-84	5.3	24
55	Coinfection of <i>Fusobacterium nucleatum</i> and <i>Actinomyces israelii</i> in mastoiditis diagnosed by next-generation DNA sequencing. <i>Journal of Clinical Microbiology</i> , 2014 , 52, 1789-92	9.7	22
54	Recurrent somatic loss of TNFRSF14 in classical Hodgkin lymphoma. <i>Genes Chromosomes and Cancer</i> , 2016 , 55, 278-87	5	22
53	In Vitro Activity of Delafloxacin against Clinical <i>Neisseria gonorrhoeae</i> Isolates and Selection of Gonococcal Delafloxacin Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 3106-11	5.9	22

52	Whole-genome sequencing for high-resolution investigation of methicillin-resistant <i>Staphylococcus aureus</i> epidemiology and genome plasticity. <i>Journal of Clinical Microbiology</i> , 2014 , 52, 2787-96	9.7	21
51	Ultrasensitive detection of acute myeloid leukemia minimal residual disease using single molecule molecular inversion probes. <i>Haematologica</i> , 2017 , 102, 1549-1557	6.6	19
50	Molecular diagnosis of subcutaneous <i>Pythium insidiosum</i> infection by use of PCR screening and DNA sequencing. <i>Journal of Clinical Microbiology</i> , 2012 , 50, 1480-3	9.7	19
49	Validation and implementation of a modular targeted capture assay for the detection of clinically significant molecular oncology alterations. <i>Practical Laboratory Medicine</i> , 2020 , 19, e00153	1.7	18
48	Characterization of a multidrug-resistant, novel <i>Bacteroides</i> genomospecies. <i>Emerging Infectious Diseases</i> , 2015 , 21, 95-8	10.2	17
47	Occurrence of cross-resistance and β -lactam seesaw effect in glycopeptide-, lipopeptide- and lipoglycopeptide-resistant MRSA correlates with membrane phosphatidylglycerol levels. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 1182-1186	5.1	15
46	Molecular diagnosis of <i>Actinomyces madurae</i> infection by 16S rRNA deep sequencing. <i>Journal of Clinical Microbiology</i> , 2013 , 51, 4262-5	9.7	14
45	Pattern associated leukemia immunophenotypes and measurable disease detection in acute myeloid leukemia or myelodysplastic syndrome with mutated NPM1. <i>Cytometry Part B - Clinical Cytometry</i> , 2019 , 96, 67-72	3.4	14
44	Comprehensive evaluation of complex polymicrobial specimens using next generation sequencing and standard microbiological culture. <i>Scientific Reports</i> , 2020 , 10, 5446	4.9	11
43	Deep sequencing with intronic capture enables identification of an APC exon 10 inversion in a patient with polyposis. <i>Genetics in Medicine</i> , 2014 , 16, 783-6	8.1	11
42	Improved Species-Level Clinical Identification of Enterobacteriaceae through Broad-Range PCR and Sequencing. <i>Journal of Clinical Microbiology</i> , 2019 , 57,	9.7	10
41	The Vaginal Microbiome of Transgender Men. <i>Clinical Chemistry</i> , 2019 , 65, 199-207	5.5	10
40	Discovery and Characterization of Spike N-Terminal Domain-Binding Aptamers for Rapid SARS-CoV-2 Detection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21211-21215	16.4	9
39	Targeting Ligands Deliver Model Drug Cargo into the Central Nervous System along Autonomic Neurons. <i>ACS Nano</i> , 2019 , 13, 10961-10971	16.7	8
38	International Spread of Multidrug-Resistant <i>Campylobacter coli</i> in Men Who Have Sex With Men in Washington State and Qu \acute{e} bec, 2015-2018. <i>Clinical Infectious Diseases</i> , 2020 , 71, 1896-1904	11.6	8
37	Sensitive Identification of Bacterial DNA in Clinical Specimens by Broad-Range 16S rRNA Gene Enrichment. <i>Journal of Clinical Microbiology</i> , 2020 , 58,	9.7	8
36	Dalbavancin exposure in vitro selects for dalbavancin-non-susceptible and vancomycin-intermediate strains of methicillin-resistant <i>Staphylococcus aureus</i> . <i>Clinical Microbiology and Infection</i> , 2021 , 27, 910.e1-910.e8	9.5	8
35	Polyclonality, Shared Strains, and Convergent Evolution in Chronic Cystic Fibrosis Airway Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 1127-1137	10.2	8

34	Cell free DNA from respiratory pathogens is detectable in the blood plasma of Cystic Fibrosis patients. <i>Scientific Reports</i> , 2020 , 10, 6903	4.9	7
33	Whole genome sequencing indicates <i>Corynebacterium jeikeium</i> comprises 4 separate genomospecies and identifies a dominant genomospecies among clinical isolates. <i>International Journal of Medical Microbiology</i> , 2014 , 304, 1001-10	3.7	7
32	Genomic Analysis Identifies Novel <i>Pseudomonas aeruginosa</i> Resistance Genes under Selection during Inhaled Aztreonam Therapy. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	6
31	Whole Genome Sequencing of Peruvian Identifies Novel Plasmid Vectors Bearing Carbapenem Resistance Gene. <i>Open Forum Infectious Diseases</i> , 2020 , 7, ofaa266	1	6
30	Identification of a DNA Aptamer That Binds to Human Monocytes and Macrophages. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1899-1907	6.3	5
29	Applying Ancestry and Sex Computation as a Quality Control Tool in Targeted Next-Generation Sequencing. <i>American Journal of Clinical Pathology</i> , 2016 , 145, 308-15	1.9	5
28	Artificial Selection for Pathogenicity Mutations in Identifies Novel Factors Relevant to Chronic Infection. <i>Infection and Immunity</i> , 2019 , 87,	3.7	5
27	Letter to the Editor regarding Qui et al: "Cutibacterium acnes and the shoulder microbiome". <i>Journal of Shoulder and Elbow Surgery</i> , 2019 , 28, e275-e276	4.3	4
26	Open-Sourced CIViC Annotation Pipeline to Identify and Annotate Clinically Relevant Variants Using Single-Molecule Molecular Inversion Probes. <i>JCO Clinical Cancer Informatics</i> , 2019 , 3, 1-12	5.2	4
25	Synergy Between Beta-Lactams and Lipo-, Glyco-, and Lipoglycopeptides, Is Independent of the Seesaw Effect in Methicillin-Resistant. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 688357	5.6	4
24	Evolution of cefiderocol resistance in using serial passage techniques.. <i>JAC-Antimicrobial Resistance</i> , 2022 , 4, dlac011	2.9	3
23	Case Report: Comparison of Plasma Metagenomics to Bacterial PCR in a Case of Prosthetic Valve Endocarditis. <i>Frontiers in Pediatrics</i> , 2020 , 8, 575674	3.4	3
22	High Clinical Impact of Broad-Range Fungal PCR in Suspected Fungal Sinusitis. <i>Journal of Clinical Microbiology</i> , 2021 , 59, e0095521	9.7	3
21	Combining Ivacaftor and Intensive Antibiotics Achieves Limited Clearance of Cystic Fibrosis Infections.. <i>MBio</i> , 2021 , e0314821	7.8	3
20	Ultrasensitive Detection of Chimerism by Single-Molecule Molecular Inversion Probe Capture and High-Throughput Sequencing of Copy Number Deletion Polymorphisms. <i>Clinical Chemistry</i> , 2018 , 64, 938-949	5.5	2
19	Identifying Optimal Loci for the Molecular Diagnosis of Microsatellite Instability. <i>Clinical Chemistry</i> , 2020 , 66, 1310-1318	5.5	2
18	Incidental identification of <i>Strongyloides stercoralis</i> infection by broad-range 28S rDNA gene sequencing in a patient with a hematolymphoid malignancy. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016 , 86, 362-364	2.9	2
17	Identification of a novel tedizolid resistance mutation in rpoB of MRSA after in vitro serial passage. <i>Journal of Antimicrobial Chemotherapy</i> , 2021 , 76, 292-296	5.1	2

16	Whole-genome sequencing of clinical <i>Clostridioides difficile</i> isolates reveals molecular epidemiology and discrepancies with conventional laboratory diagnostic testing. <i>Journal of Hospital Infection</i> , 2021 , 108, 64-71	6.9	2
15	Aptamer Sandwich Lateral Flow Assay (AptaFlow) for Antibody-Free SARS-CoV-2 Detection.. <i>Analytical Chemistry</i> , 2022 ,	7.8	2
14	High-resolution profiling of human cytomegalovirus cell-free DNA in human plasma highlights its exceptionally fragmented nature. <i>Scientific Reports</i> , 2020 , 10, 3734	4.9	1
13	Genome Editing in <i>Staphylococcus aureus</i> by Conditional Recombineering and CRISPR/Cas9-Mediated Counterselection. <i>Methods in Molecular Biology</i> , 2020 , 2050, 127-143	1.4	1
12	16S rRNA deep sequencing identifies as the major component of a polymicrobial intra-abdominal infection and implicates a urinary source. <i>JMM Case Reports</i> , 2017 , 4, e005091	0.5	1
11	Occurrence of cross-resistance and beta-lactam seesaw effect in glycopeptide, lipopeptide, and lipoglycopeptide-resistant MRSA correlates with membrane phosphatidylglycerol levels		1
10	Repeated isolation of an antibiotic-dependent and temperature-sensitive mutant of <i>Pseudomonas aeruginosa</i> from a cystic fibrosis patient. <i>Journal of Antimicrobial Chemotherapy</i> , 2021 , 76, 616-625	5.1	1
9	Discovery and Characterization of Spike N-Terminal Domain-Binding Aptamers for Rapid SARS-CoV-2 Detection. <i>Angewandte Chemie</i> , 2021 , 133, 21381-21385	3.6	1
8	Discovery of coordinately regulated pathways that provide innate protection against interbacterial antagonism.. <i>ELife</i> , 2022 , 11,	8.9	1
7	A population-level strain genotyping method to study pathogen strain dynamics in human infections.. <i>JCI Insight</i> , 2021 , 6,	9.9	1
6	Emergence of dalbavancin, vancomycin, and daptomycin non-susceptible <i>Staphylococcus aureus</i> in a patient treated with dalbavancin: Case report and isolate characterization.. <i>Clinical Infectious Diseases</i> , 2022 ,	11.6	1
5	Neutrophilic inflammation in gallbladder carcinoma correlates with patient survival: A case-control study. <i>Annals of Diagnostic Pathology</i> , 2021 , 56, 151845	2.2	0
4	Characterizing the molecular composition and diagnostic potential of <i>Mycobacterium tuberculosis</i> urinary cell-free DNA using next-generation sequencing. <i>International Journal of Infectious Diseases</i> , 2021 , 112, 330-337	10.5	0
3	Genome-wide proteinDNA interaction site mapping in bacteria using a double-stranded DNA-specific cytosine deaminase. <i>Nature Microbiology</i> , 2022 , 7, 844-855	26.6	0
2	Recombineering in <i>Staphylococcus aureus</i> .. <i>Methods in Molecular Biology</i> , 2022 , 2479, 135-157	1.4	
1	Molecular Microbiology for Diagnosing Infectious Arthritis 2022 , 59-70		