

# Yean Yean Chan

## List of Publications by Year in descending order

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89  
papers

1,816  
citations

257450

24  
h-index

330143

37  
g-index

89  
all docs

89  
docs citations

89  
times ranked

2305  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of multiplex loop mediated isothermal amplification (m-LAMP) label-based gold nanoparticles lateral flow dipstick biosensor for detection of pathogenic <i>Leptospira</i> . <i>Analytica Chimica Acta</i> , 2016, 903, 142-148.	5.4	109
2	A rapid DNA biosensor for the molecular diagnosis of infectious disease. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3825-3831.	10.1	91
3	A pentaplex PCR assay for the rapid detection of methicillin-resistant <i>Staphylococcus aureus</i> and Panton-Valentine Leucocidin. <i>BMC Microbiology</i> , 2009, 9, 113.	3.3	79
4	Nucleic Acid-Based Diagnostic Tests for the Detection SARS-CoV-2: An Update. <i>Diagnostics</i> , 2021, 11, 53.	2.6	66
5	Specific detection of fungal pathogens by 18S rRNA gene PCR in microbial keratitis. <i>BMC Ophthalmology</i> , 2008, 8, 7.	1.4	62
6	Recent Advances in Diagnostic Approaches for Epstein-Barr Virus. <i>Pathogens</i> , 2020, 9, 226.	2.8	61
7	Loop-mediated isothermal amplification (LAMP) reaction as viable PCR substitute for diagnostic applications: a comparative analysis study of LAMP, conventional PCR, nested PCR (nPCR) and real-time PCR (qPCR) based on <i>Entamoeba histolytica</i> DNA derived from faecal sample. <i>BMC Biotechnology</i> , 2020, 20, 34.	3.3	58
8	Screen Printed Carbon Electrode Based Electrochemical Immunosensor for the Detection of Dengue NS1 Antigen. <i>Diagnostics</i> , 2014, 4, 165-180.	2.6	49
9	Molecular Evidence of Cholera Outbreak Caused by a Toxigenic <i>Vibrio cholerae</i> O1 El Tor Variant Strain in Kelantan, Malaysia. <i>Journal of Clinical Microbiology</i> , 2010, 48, 3963-3969.	3.9	47
10	Dry-reagent gold nanoparticle-based lateral flow biosensor for the simultaneous detection of <i>Vibrio cholerae</i> serogroups O1 and O139. <i>Journal of Microbiological Methods</i> , 2011, 86, 277-282.	1.6	46
11	The epidemiology and clinical spectrum of melioidosis in a teaching hospital in a North-Eastern state of Malaysia: a fifteen-year review. <i>BMC Infectious Diseases</i> , 2016, 16, 333.	2.9	45
12	Ambient temperature detection of PCR amplicons with a novel sequence-specific nucleic acid lateral flow biosensor. <i>Biosensors and Bioelectronics</i> , 2012, 38, 151-156.	10.1	44
13	A Pentaplex PCR Assay for the Detection and Differentiation of <i>Shigella</i> Species. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	44
14	Global Prevalence of Nosocomial Multidrug-Resistant <i>Klebsiella pneumoniae</i> : A Systematic Review and Meta-Analysis. <i>Antibiotics</i> , 2021, 10, 1508.	3.7	44
15	Development of a dry reagent-based triplex PCR for the detection of toxigenic and non-toxigenic <i>Vibrio cholerae</i> . <i>Journal of Medical Microbiology</i> , 2011, 60, 481-485.	1.8	40
16	Analysis of <i>lolB</i> gene sequence and its use in the development of a PCR assay for the detection of <i>Vibrio cholerae</i> . <i>Journal of Microbiological Methods</i> , 2008, 75, 142-144.	1.6	36
17	Enzyme-Linked Amperometric Electrochemical Genosensor Assay for the Detection of PCR Amplicons on a Streptavidin-Treated Screen-Printed Carbon Electrode. <i>Analytical Chemistry</i> , 2008, 80, 2774-2779.	6.5	36
18	Development of a thermostabilised triplex LAMP assay with dry-reagent four target lateral flow dipstick for detection of <i>Entamoeba histolytica</i> and non-pathogenic <i>Entamoeba</i> spp.. <i>Analytica Chimica Acta</i> , 2017, 966, 71-80.	5.4	36

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19	First isolation of <i>Burkholderia tropica</i> from a neonatal patient successfully treated with imipenem. <i>International Journal of Infectious Diseases</i> , 2010, 14, e73-e74.	3.3	34
20	Molecular Characterization of <i>Leptospira</i> spp. in Environmental Samples from North-Eastern Malaysia Revealed a Pathogenic Strain, <i>Leptospira alstonii</i> . <i>Journal of Tropical Medicine</i> , 2016, 1-7.	1.7	34
21	A thermostabilized magnetogenosensing assay for DNA sequence-specific detection and quantification of <i>Vibrio cholerae</i> . <i>Biosensors and Bioelectronics</i> , 2013, 47, 38-44.	10.1	32
22	Detection of blaIMP4 and blaNDM1 harboring <i>Klebsiella pneumoniae</i> isolates in a university hospital in Malaysia. <i>Emerging Health Threats Journal</i> , 2015, 8, 26011.	3.0	32
23	A nanoplex PCR assay for the rapid detection of vancomycin and bifunctional aminoglycoside resistance genes in <i>Enterococcus</i> species. <i>BMC Microbiology</i> , 2007, 7, 112.	3.3	27
24	The Usage of Antibiotics by COVID-19 Patients with Comorbidities: The Risk of Increased Antimicrobial Resistance. <i>Antibiotics</i> , 2022, 11, 35.	3.7	27
25	COVID-19 infection and nanomedicine applications for development of vaccines and therapeutics: An overview and future perspectives based on polymersomes. <i>European Journal of Pharmacology</i> , 2021, 896, 173930.	3.5	23
26	High-Dose Vitamin C for Cancer Therapy. <i>Pharmaceuticals</i> , 2022, 15, 711.	3.8	23
27	An ambient temperature stable and ready-to-use loop-mediated isothermal amplification assay for detection of toxigenic <i>Vibrio cholerae</i> in outbreak settings. <i>Acta Tropica</i> , 2018, 182, 223-231.	2.0	20
28	An improved selective and differential medium for the isolation of <i>Burkholderia pseudomallei</i> from clinical specimens. <i>Diagnostic Microbiology and Infectious Disease</i> , 2006, 55, 95-99.	1.8	19
29	A colloidal gold-based lateral flow immunoassay for direct determination of haemoglobin A1c in whole blood. <i>Analytical Methods</i> , 2015, 7, 3972-3980.	2.7	19
30	Enzymatic electrochemical detection of epidemic-causing <i>Vibrio cholerae</i> with a disposable oligonucleotide-modified screen-printed bisensor coupled to a dry-reagent-based nucleic acid amplification assay. <i>Biosensors and Bioelectronics</i> , 2015, 70, 282-288.	10.1	19
31	Prevalence of Vancomycin-Resistant <i>Enterococcus</i> (VRE) in Companion Animals: The First Meta-Analysis and Systematic Review. <i>Antibiotics</i> , 2021, 10, 138.	3.7	19
32	Rapid detection of methicillin-resistant <i>Staphylococcus aureus</i> by a newly developed dry reagent-based polymerase chain reaction assay. <i>Journal of Microbiology, Immunology and Infection</i> , 2014, 47, 484-490.	3.1	18
33	The Molecular Characterization of Virulence Determinants and Antibiotic Resistance Patterns in Human Bacterial Uropathogens. <i>Antibiotics</i> , 2022, 11, 516.	3.7	18
34	Methicillin-resistant <i>Staphylococcus aureus</i> nosocomial infection trends in Hospital Universiti Sains Malaysia during 2002-2007. <i>Annals of Saudi Medicine</i> , 2010, 30, 358-363.	1.1	17
35	Electrochemical genosensor for specific detection of the food-borne pathogen, <i>Vibrio cholerae</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1699-1706.	3.6	17
36	Development of a dry-reagent-based nucleic acid-sensing platform by coupling thermostabilised LATE-PCR assay to an oligonucleotide-modified lateral flow biosensor. <i>Journal of Microbiological Methods</i> , 2015, 118, 99-105.	1.6	17

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37	Genotypic Variations of Virulent Genes in <i>Enterococcus faecium</i> and <i>Enterococcus faecalis</i> Isolated from Three Hospitals in Malaysia. <i>Advances in Clinical and Experimental Medicine</i> , 2015, 24, 121-127.	1.4	17
38	Construction and evaluation of a O139 <i>Vibrio cholerae</i> vaccine candidate based on a hemA gene mutation. <i>Vaccine</i> , 2006, 24, 3750-3761.	3.8	15
39	Development of a thermostabilized, one-step, nested, tetraplex PCR assay for simultaneous identification and differentiation of <i>Entamoeba</i> species, <i>Entamoeba histolytica</i> and <i>Entamoeba dispar</i> from stool samples. <i>Journal of Medical Microbiology</i> , 2012, 61, 1219-1225.	1.8	15
40	An Electrochemical Genosensing Assay Based on Magnetic Beads and Gold Nanoparticle-Loaded Latex Microspheres for <i>Vibrio cholerae</i> Detection. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 702-710.	1.1	15
41	Isolation of <i>Leptospira kmetyi</i> from residential areas of patients with leptospirosis in Kelantan, Malaysia. <i>Journal of Infection and Public Health</i> , 2018, 11, 578-580.	4.1	15
42	Probe-specific loop-mediated isothermal amplification magnetogenosensor assay for rapid and specific detection of pathogenic <i>Leptospira</i> . <i>Molecular and Cellular Probes</i> , 2019, 44, 63-68.	2.1	15
43	Low prevalence of vancomycin- and bifunctional aminoglycoside-resistant enterococci isolated from poultry farms in Malaysia. <i>International Journal of Food Microbiology</i> , 2008, 122, 221-226.	4.7	14
44	A Thermostabilized, One-Step PCR Assay for Simultaneous Detection of <i>Klebsiella pneumoniae</i> and <i>Haemophilus influenzae</i> . <i>Journal of Tropical Medicine</i> , 2017, 2017, 1-8.	1.7	14
45	Multiplex electrochemical genosensor for identifying toxigenic <i>Vibrio cholerae</i> serogroups O1 and O139. <i>Chemical Communications</i> , 2013, 49, 2019.	4.1	13
46	Diagnostic and Prognostic Indications of Nasopharyngeal Carcinoma. <i>Diagnostics</i> , 2020, 10, 611.	2.6	13
47	Development and validation of pan- <i>Leptospira</i> Taqman qPCR for the detection of <i>Leptospira</i> spp. in clinical specimens. <i>Molecular and Cellular Probes</i> , 2018, 38, 1-6.	2.1	12
48	Prevalence and association of Panton-Valentine Leukocidin gene with the risk of sepsis in patients infected with Methicillin Resistant <i>Staphylococcus aureus</i> . <i>Journal of Infection and Public Health</i> , 2020, 13, 1508-1512.	4.1	12
49	The Effect of <i>Hydrocotyle sibthorpioides</i> Lam. Extracts on <i>In Vitro</i> Dengue Replication. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-9.	1.2	11
50	A signal-amplified electrochemical DNA biosensor incorporated with a colorimetric internal control for <i>Vibrio cholerae</i> detection using shelf-ready reagents. <i>Biosensors and Bioelectronics</i> , 2017, 87, 256-263.	10.1	11
51	An impedimetric micro-immunosensing assay to detect Alzheimer's disease biomarker: A $\beta$ 40. <i>Analytical Biochemistry</i> , 2018, 555, 12-21.	2.4	11
52	One-step, multiplex, dual-function oligonucleotide of loop-mediated isothermal amplification assay for the detection of pathogenic <i>Burkholderia pseudomallei</i> . <i>Analytica Chimica Acta</i> , 2021, 1171, 338682.	5.4	11
53	Vancomycin-Resistant <i>Enterococcus</i> : Issues in Human Health, Animal Health, Resistant Mechanisms and the Malaysian Paradox. <i>Advances in Animal and Veterinary Sciences</i> , 2019, 7, .	0.2	11
54	Methicillin-Resistant <i>Staphylococcus aureus</i> Nasal Carriage among Patients and Healthcare Workers in a Hospital in Kelantan, Malaysia. <i>Polish Journal of Microbiology</i> , 2013, 62, 109-112.	1.7	11

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55	Molecular detection of leptospirosis and melioidosis co-infection: A case report. <i>Journal of Infection and Public Health</i> , 2017, 10, 894-896.	4.1	10
56	Development and Evaluation of an Electrochemical Biosensor for Detection of Dengue-Specific IgM Antibody in Serum Samples. <i>Diagnostics</i> , 2021, 11, 33.	2.6	10
57	Smoking a Dangerous Addiction: A Systematic Review on an Underrated Risk Factor for Oral Diseases. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11003.	2.6	10
58	Harnessing CRISPR-Cas to Combat COVID-19: From Diagnostics to Therapeutics. <i>Life</i> , 2021, 11, 1210.	2.4	10
59	A Global Mutational Profile of SARS-CoV-2: A Systematic Review and Meta-Analysis of 368,316 COVID-19 Patients. <i>Life</i> , 2021, 11, 1224.	2.4	10
60	Amelogenesis imperfecta: enamel ultra structure and molecular studies. <i>Journal of Clinical Pediatric Dentistry</i> , 2004, 28, 319-322.	1.0	8
61	Vancomycin-Resistant Enterococci (VRE) in Nigeria: The First Systematic Review and Meta-Analysis. <i>Antibiotics</i> , 2020, 9, 565.	3.7	8
62	Performance Validation of COVID-19 Self-Conduct Buccal and Nasal Swabs RTK-Antigen Diagnostic Kit. <i>Diagnostics</i> , 2021, 11, 2245.	2.6	8
63	Comparative Evaluation of Five Culture Media with Triplex PCR Assay for Detection of Methicillin-Resistant Staphylococcus Aureus. <i>Current Microbiology</i> , 2010, 61, 1-6.	2.2	7
64	Isolation and characterization of lytic vibriophage against <i>Vibrio cholerae</i> O1 from environmental water samples in Kelantan, Malaysia. <i>Journal of Basic Microbiology</i> , 2014, 54, 1036-1043.	3.3	7
65	A shelf-stable fluorogenic isothermal amplification assay for the detection of <i>Burkholderia pseudomallei</i> . <i>Analyst</i> , 2016, 141, 1246-1249.	3.5	7
66	Prevalence of Nasopharyngeal Carcinoma in Patients with Dermatomyositis: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2021, 13, 1886.	3.7	7
67	Current State of COVID-19 Pandemic in Africa: Lessons for Today and the Future. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9968.	2.6	7
68	A Performance Assessment Study of Different Clinical Samples for Rapid COVID-19 Antigen Diagnosis Tests. <i>Diagnostics</i> , 2022, 12, 847.	2.6	7
69	Prognostic Epstein-Barr Virus (EBV) miRNA biomarkers for survival outcome in EBV-associated epithelial malignancies: Systematic review and meta-analysis. <i>PLoS ONE</i> , 2022, 17, e0266893.	2.5	7
70	Immunogenicity and protective efficacy of a live, oral cholera vaccine formulation stored outside-the-cold-chain for 140 days. <i>BMC Immunology</i> , 2020, 21, 29.	2.2	6
71	Fatal Necrotizing Pneumonia Caused by Panton-Valentine Leukocidin-Producing Hospital-Acquired <i>Staphylococcus aureus</i> : a Case Report. <i>Japanese Journal of Infectious Diseases</i> , 2011, 64, 58-60.	1.2	6
72	Development of an immunochromatographic lateral flow dipstick for the detection of <i>Mycobacterium tuberculosis</i> 16 kDa antigen (Mtb-strip). <i>Journal of Microbiological Methods</i> , 2020, 176, 106003.	1.6	5

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73	Nucleic Acid-Based COVID-19 Therapy Targeting Cytokine Storms: Strategies to Quell the Storm. <i>Journal of Personalized Medicine</i> , 2022, 12, 386.	2.5	5
74	Identifying polymorphism in enamel gene in amelogenesis imperfecta (AI). <i>Archives of Oral Biology</i> , 2008, 53, 937-940.	1.8	4
75	Design of InnoPrimers-Duplex Real-Time PCR for Detection and Treatment Response Prediction of EBV-Associated Nasopharyngeal Carcinoma Circulating Genetic Biomarker. <i>Diagnostics</i> , 2021, 11, 1761.	2.6	4
76	Brief communication genotyping of <i>Burkholderia pseudomallei</i> revealed high genetic variability among isolates from a single population group. <i>International Journal of Molecular Epidemiology and Genetics</i> , 2015, 6, 41-7.	0.4	4
77	Distribution of <i>sasX</i> , <i>qacA/B</i> and <i>mupA</i> genes and determination of genetic relatedness of methicillin-resistant <i>Staphylococcus aureus</i> among clinical isolates and nasal swab samples from the same patients in a hospital in Malaysia. <i>Singapore Medical Journal</i> , 2022, 63, 335-341.	0.6	3
78	Complete Genome Sequence of Lytic Bacteriophage VPUSM 8 against O1 El Tor Inaba <i>Vibrio cholerae</i> . <i>Genome Announcements</i> , 2017, 5, .	0.8	2
79	Technical Considerations in Ex Vivo Human Regulatory T Cell Migration and Suppression Assays. <i>Cells</i> , 2020, 9, 487.	4.1	2
80	Sequence-Specific Electrochemical Genosensor for Rapid Detection of <i>blaOXA-51</i> -like Gene in <i>Acinetobacter baumannii</i> . <i>Microorganisms</i> , 2022, 10, 1413.	3.6	2
81	Concomitant <i>Mycoplasma pneumoniae</i> and Influenza B Virus Pneumonia in a Child without Evidence of Influenza A (H5N1) Virus Infection. <i>Clinical Microbiology Newsletter</i> , 2017, 39, 189-190.	0.7	1
82	Laboratory investigation for nasopharyngeal carcinoma diagnosis. , 2020, , 141-165.		1
83	Leptospiral Culture without 5-Fluorouracil Revealed Improved <i>Leptospira</i> Isolation from Febrile Patients in North-Eastern Malaysia. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1307.	2.6	1
84	Antibacterial activity and toxicity of duckweed, <i>Lemna minor</i> L. (Arales: Lemnaceae) from Malaysia. <i>Malaysian Journal of Microbiology</i> , 2018, , .	0.1	1
85	Computational Characterization of the Promoter Region of <i>SMN2</i> (Survival of Motor Neuron) Gene. <i>Research Journal of Pharmacy and Technology</i> , 2018, 11, 2729.	0.8	1
86	Prevalence of EBV infection in 1157 diseased cohorts in Nigeria: A systematic review and meta-analysis. <i>Indian Journal of Medical Microbiology</i> , 2022, 40, 420-426.	0.8	1
87	Target DNA recognition using electrochemical impedance spectroscopy. , 2010, , .		0
88	Duplex TaqMan Hydrolysis Probe-Based Molecular Assay for Simultaneous Detection and Differentiation of <i>Burkholderia pseudomallei</i> and <i>Leptospira</i> spp. <i>DNA. BioMed Research International</i> , 2019, 2019, 1-6.	1.9	0
89	Detection and distribution of putative pathogenicity-associated genes among serologically important <i>Leptospira</i> strains and post-flood environmental isolates in Malaysia. <i>Malaysian Journal of Microbiology</i> , 2020, , .	0.1	0