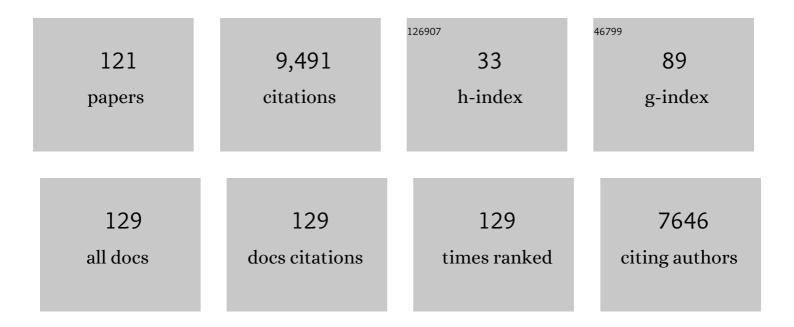
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Global burden of bacterial antimicrobial resistance in 2019: a systematic analysis. Lancet, The, 2022, 399, 629-655.	13.7	4,915
2	Multidrug Resistant Pulmonary Tuberculosis Treatment Regimens and Patient Outcomes: An Individual Patient Data Meta-analysis of 9,153 Patients. PLoS Medicine, 2012, 9, e1001300.	8.4	430
3	Clobal Phylogeny of Mycobacterium tuberculosis Based on Single Nucleotide Polymorphism (SNP) Analysis: Insights into Tuberculosis Evolution, Phylogenetic Accuracy of Other DNA Fingerprinting Systems, and Recommendations for a Minimal Standard SNP Set. Journal of Bacteriology, 2006, 188, 759-772.	2.2	381
4	Population Genetics Study of Isoniazid Resistance Mutations and Evolution of Multidrug-Resistant Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2006, 50, 2640-2649.	3.2	364
5	Association of diabetes and tuberculosis: impact on treatment and post-treatment outcomes. Thorax, 2013, 68, 214-220.	5.6	221
6	Tuberculosis and Diabetes in Southern Mexico. Diabetes Care, 2004, 27, 1584-1590.	8.6	182
7	Posaconazole versus voriconazole for primary treatment of invasive aspergillosis: a phase 3, randomised, controlled, non-inferiority trial. Lancet, The, 2021, 397, 499-509.	13.7	119
8	Efficacy of interferon beta-1a plus remdesivir compared with remdesivir alone in hospitalised adults with COVID-19: a double-blind, randomised, placebo-controlled, phase 3 trial. Lancet Respiratory Medicine,the, 2021, 9, 1365-1376.	10.7	119
9	Treatment Outcomes of Patients With Multidrug-Resistant and Extensively Drug-Resistant Tuberculosis According to Drug Susceptibility Testing to First- and Second-line Drugs: An Individual Patient Data Meta-analysis. Clinical Infectious Diseases, 2014, 59, 1364-1374.	5.8	116
10	Role of <i>embB</i> Codon 306 Mutations in <i>Mycobacterium tuberculosis</i> Revisited: a Novel Association with Broad Drug Resistance and IS <i>6110</i> Clustering Rather than Ethambutol Resistance. Antimicrobial Agents and Chemotherapy, 2005, 49, 3794-3802.	3.2	103
11	B Cell Subsets as Severity-Associated Signatures in COVID-19 Patients. Frontiers in Immunology, 2020, 11, 611004.	4.8	101
12	In-hospital mortality from severe COVID-19 in a tertiary care center in Mexico City; causes of death, risk factors and the impact of hospital saturation. PLoS ONE, 2021, 16, e0245772.	2.5	94
13	Metabolomics analysis reveals a modified amino acid metabolism that correlates with altered oxygen homeostasis in COVID-19 patients. Scientific Reports, 2021, 11, 6350.	3.3	91
14	Clinical Consequences and Transmissibility of Drug-Resistant Tuberculosis in Southern Mexico. Archives of Internal Medicine, 2000, 160, 630-6.	3.8	87
15	Epidemiology of Invasive Fungal Infections in Latin America. Current Fungal Infection Reports, 2012, 6, 23-34.	2.6	85
16	Raising concerns about the Sepsis-3 definitions. World Journal of Emergency Surgery, 2018, 13, 6.	5.0	81
17	Does DOTS work in populations with drug-resistant tuberculosis?. Lancet, The, 2005, 365, 1239-1245.	13.7	78
18	Virulence, immunopathology and transmissibility of selected strains of <i>Mycobacterium tuberculosis</i> in a murine model. Immunology, 2009, 128, 123-133.	4.4	75

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19	Nested Polymerase Chain Reaction for Mycobacterium tuberculosis DNA Detection in Aqueous and Vitreous of Patients with Uveitis. Archives of Medical Research, 2003, 34, 116-119.	3.3	63
20	Clinical and Epidemiological Characteristics of Patients Diagnosed with COVID-19 in a Tertiary Care Center in Mexico City: A Prospective Cohort Study. Revista De Investigacion Clinica, 2020, 72, 165-177.	0.4	63
21	Factors Associated to Prevalence and Incidence of Carbapenem-Resistant Enterobacteriaceae Fecal Carriage: A Cohort Study in a Mexican Tertiary Care Hospital. PLoS ONE, 2015, 10, e0139883.	2.5	59
22	Tuberculosis in ageing: high rates, complex diagnosis and poor clinical outcomes. Age and Ageing, 2012, 41, 488-495.	1.6	58
23	Prevalence of Latent and Active Tuberculosis among Dairy Farm Workers Exposed to Cattle Infected by Mycobacterium bovis. PLoS Neglected Tropical Diseases, 2013, 7, e2177.	3.0	57
24	Outbreak Caused by Enterobacteriaceae Harboring NDM-1 Metallo-Î <sup>2</sup> -Lactamase Carried in an IncFII Plasmid in a Tertiary Care Hospital in Mexico City. Antimicrobial Agents and Chemotherapy, 2015, 59, 7080-7083.	3.2	56
25	Rapid identification and susceptibility testing of Mycobacterium tuberculosis from MGIT cultures with luciferase reporter mycobacteriophages. Journal of Medical Microbiology, 2003, 52, 557-561.	1.8	52
26	Unique Gene Expression Profiles in Infants Vaccinated with Different Strains of Mycobacterium bovis Bacille Calmette-Guelrin. Infection and Immunity, 2007, 75, 3658-3664.	2.2	52
27	Molecular epidemiology and risk factors of bloodstream infections caused by extended-spectrum β-lactamase-producing Klebsiella pneumoniae. International Journal of Infectious Diseases, 2008, 12, 653-659.	3.3	49
28	The Global Alliance for Infections in Surgery: defining a model for antimicrobial stewardship—results from an international cross-sectional survey. World Journal of Emergency Surgery, 2017, 12, 34.	5.0	47
29	Impact of undiagnosed type 2 diabetes and pre-diabetes on severity and mortality for SARS-CoV-2 infection. BMJ Open Diabetes Research and Care, 2021, 9, e002026.	2.8	46
30	Accuracy of galactomannan testing on tracheal aspirates in COVIDâ€19â€associated pulmonary aspergillosis. Mycoses, 2021, 64, 364-371.	4.0	44
31	Association of Pulmonary Tuberculosis and Diabetes in Mexico: Analysis of the National Tuberculosis Registry 2000–2012. PLoS ONE, 2015, 10, e0129312.	2.5	41
32	Tuberculosis-Related Deaths within a Well-Functioning DOTS Control Program. Emerging Infectious Diseases, 2002, 8, 1327-1333.	4.3	40
33	Rapid Detection of Rifampin Resistance in Mycobacterium tuberculosis Isolates from India and Mexico by a Molecular Beacon Assay. Journal of Clinical Microbiology, 2004, 42, 5512-5516.	3.9	38
34	A snapshot of antimicrobial resistance in Mexico. Results from 47 centers from 20 states during a six-month period. PLoS ONE, 2019, 14, e0209865.	2.5	37
35	Trends of Mycobacterium bovis Isolation and First-Line Anti-tuberculosis Drug Susceptibility Profile: A Fifteen-Year Laboratory-Based Surveillance. PLoS Neglected Tropical Diseases, 2015, 9, e0004124.	3.0	34
36	A Global Declaration on Appropriate Use of Antimicrobial Agents across the Surgical Pathway. Surgical Infections, 2017, 18, 846-853.	1.4	31

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37	Simvastatin Enhances the Immune Response Against Mycobacterium tuberculosis. Frontiers in Microbiology, 2019, 10, 2097.	3.5	31
38	Antimicrobial Resistance Patterns and Antibiotic Use during Hospital Conversion in the COVID-19 Pandemic. Antibiotics, 2021, 10, 182.	3.7	31
39	Surveillance of Candida spp Bloodstream Infections: Epidemiological Trends and Risk Factors of Death in Two Mexican Tertiary Care Hospitals. PLoS ONE, 2014, 9, e97325.	2.5	30
40	Antimicrobial susceptibility of gram-negative bacilli isolated from intra-abdominal and urinary-tract infections in Mexico from 2009 to 2015: Results from the Study for Monitoring Antimicrobial Resistance Trends (SMART). PLoS ONE, 2018, 13, e0198621.	2.5	30
41	Substantial reduction of healthcare facility-onset Clostridioides difficile infection (HO-CDI) rates after conversion of a hospital for exclusive treatment of COVID-19 patients. American Journal of Infection Control, 2021, 49, 966-968.	2.3	30
42	Results of the Implementation of a Pilot Model for the Bidirectional Screening and Joint Management of Patients with Pulmonary Tuberculosis and Diabetes Mellitus in Mexico. PLoS ONE, 2014, 9, e106961.	2.5	28
43	Low Thoracic Skeletal Muscle Area Is Not Associated With Negative Outcomes in Patients With COVID-19. American Journal of Physical Medicine and Rehabilitation, 2021, 100, 413-418.	1.4	28
44	Diagnostic accuracy of antigen detection in urine and molecular assays testing in different clinical samples for the diagnosis of progressive disseminated histoplasmosis in patients living with HIV/AIDS: A prospective multicenter study in Mexico. PLoS Neglected Tropical Diseases, 2021, 15, e0009215.	3.0	25
45	The Systemic Lupus Erythematosus Infection Predictive Index (LIPI): A Clinical-Immunological Tool to Predict Infections in Lupus Patients. Frontiers in Immunology, 2018, 9, 3144.	4.8	23
46	Isoniazid Mono-Resistant Tuberculosis: Impact on Treatment Outcome and Survival of Pulmonary Tuberculosis Patients in Southern Mexico 1995-2010. PLoS ONE, 2016, 11, e0168955.	2.5	23
47	Analysis of loss to follow-up in 4099 multidrug-resistant pulmonary tuberculosis patients. European Respiratory Journal, 2019, 54, 1800353.	6.7	22
48	Validation and repurposing of the MSL-COVID-19 score for prediction of severe COVID-19 using simple clinical predictors in a triage setting: The Nutri-CoV score. PLoS ONE, 2020, 15, e0244051.	2.5	22
49	Diagnostic accuracy cohort study and clinical value of the Histoplasma urine antigen (ALPHA) Tj ETQq1 1 0.7843 PLoS Neglected Tropical Diseases, 2018, 12, e0006872.	14 rgBT /C 3.0	Verlock 10 T 21
50	Impact of cigarette smoking on rates and clinical prognosis of pulmonary tuberculosis in Southern Mexico. Journal of Infection, 2013, 66, 303-312.	3.3	20
51	Impact of Clostridium difficile infection caused by the NAP1/RT027 strain on severity and recurrence during an outbreak and transition to endemicity in a Mexican tertiary care center. International Journal of Infectious Diseases, 2017, 65, 44-49.	3.3	20
52	New opportunities in tuberculosis prevention: implications for people living with HIV. Journal of the International AIDS Society, 2020, 23, e25438.	3.0	20
53	Colchicine Is Safe Though Ineffective in the Treatment of Severe COVID-19: a Randomized Clinical Trial (COLCHIVID). Journal of General Internal Medicine, 2022, 37, 4-14.	2.6	20
54	Redefining COVID-19 Severity and Prognosis: The Role of Clinical and Immunobiotypes. Frontiers in Immunology, 2021, 12, 689966.	4.8	19

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55	Vancomycin-resistant Enterococci, Mexico City. Emerging Infectious Diseases, 2007, 13, 798-799.	4.3	18
56	The Evolution of Antimicrobial Resistance in Mexico During the Last Decade: Results from the INVIFAR Group. Microbial Drug Resistance, 2020, 26, 1372-1382.	2.0	18
57	Is tuberculin skin testing useful to diagnose latent tuberculosis in BCG-vaccinated children?. International Journal of Epidemiology, 2006, 35, 1447-1454.	1.9	17
58	Increment Antimicrobial Resistance During the COVID-19 Pandemic: Results from the Invifar Network. Microbial Drug Resistance, 2021, , .	2.0	17
59	Changes in the geographical distribution of tuberculosis patients in Veracruz, Mexico, after reinforcement of a tuberculosis control programme. Tropical Medicine and International Health, 2005, 10, 305-311.	2.3	16
60	Tuberculosis and systemic lupus erythematosus: a case-control study in Mexico City. Clinical Rheumatology, 2018, 37, 2095-2102.	2.2	16
61	Expression of USP18 and IL2RA Is Increased in Individuals Receiving Latent Tuberculosis Treatment with Isoniazid. Journal of Immunology Research, 2019, 2019, 1-13.	2.2	16
62	Serum Vitamin D Levels Are Associated With Increased COVID-19 Severity and Mortality Independent of Whole-Body and Visceral Adiposity. Frontiers in Nutrition, 2022, 9, 813485.	3.7	16
63	Risk Factors for Drug-resistant Bloodstream Infections in Patients with Systemic Lupus Erythematosus. Journal of Rheumatology, 2014, 41, 1311-1316.	2.0	15
64	Impact of inappropriate antifungal therapy according to current susceptibility breakpoints on Candida bloodstream infection mortality, a retrospective analysis. BMC Infectious Diseases, 2017, 17, 753.	2.9	15
65	Potential Effect of Statins onMycobacterium tuberculosisInfection. Journal of Immunology Research, 2018, 2018, 1-14.	2.2	15
66	Azole resistance and cyp51A mutation screening in Aspergillus fumigatus in Mexico. Journal of Antimicrobial Chemotherapy, 2019, 74, 2047-2050.	3.0	15
67	Risk factors and outcomes associated with vancomycin-resistant Enterococcus faecium and ampicillin-resistant Enterococcus faecalis bacteraemia: A 10-year study in a tertiary-care centre in Mexico City. Journal of Global Antimicrobial Resistance, 2021, 24, 198-204.	2.2	15
68	Molecular clustering of patients with diabetes and pulmonary tuberculosis: A systematic review and meta-analysis. PLoS ONE, 2017, 12, e0184675.	2.5	15
69	Molecular Analysis of Mycobacterium tuberculosis Strains with an Intact pks15/1 Gene in a Rural Community of Mexico. Archives of Medical Research, 2008, 39, 809-814.	3.3	13
70	Factors associated with an outbreak of hospital-onset, healthcare facility-associated Clostridium difficile infection (HO-HCFA CDI) in a Mexican tertiary care hospital: A case-control study. PLoS ONE, 2018, 13, e0198212.	2.5	12
71	Pseudomonas infections among hospitalized adults in Latin America: a systematic review and meta-analysis. BMC Infectious Diseases, 2020, 20, 250.	2.9	12
72	Outcomes of patients with severe and critical COVID-19 treated with dexamethasone: a prospective cohort study. Emerging Microbes and Infections, 2022, 11, 50-59.	6.5	12

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73	Sir3 Polymorphisms in Candida glabrata Clinical Isolates. Mycopathologia, 2013, 175, 207-219.	3.1	11
74	Vaccine-derived varicella zoster infection in a kidney transplant recipient after zoster vaccine live administration. Vaccine, 2019, 37, 3576-3579.	3.8	11
75	Nontuberculous mycobacterial infection in a tertiary care center in Mexico, 2001–2017. Brazilian Journal of Infectious Diseases, 2020, 24, 213-220.	0.6	11
76	In vitro activity of ceftazidime/avibactam and comparators against Gram-negative bacterial isolates collected from Latin American centres between 2015 and 2017. Journal of Antimicrobial Chemotherapy, 2020, 75, 1859-1873.	3.0	11
77	Adaptive Metabolic and Inflammatory Responses Identified Using Accelerated Aging Metrics Are Linked to Adverse Outcomes in Severe SARS-CoV-2 Infection. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, e117-e126.	3.6	11
78	NAFLD determined by Dallas Steatosis Index is associated with poor outcomes in COVID-19 pneumonia: a cohort study. Internal and Emergency Medicine, 2022, 17, 1355-1362.	2.0	11
79	Importance of differentiating Mycobaterium bovis in tuberculous meningitis. Neurology International, 2011, 3, 9.	2.8	10
80	Latent Tuberculosis in Hematopoietic Stem Cell Transplantation: Diagnostic and Therapeutic Strategies to Prevent Disease Activation in an Endemic Population. Biology of Blood and Marrow Transplantation, 2020, 26, 1350-1354.	2.0	9
81	Genotyping and spatial analysis of pulmonary tuberculosis and diabetes cases in the state of Veracruz, Mexico. PLoS ONE, 2018, 13, e0193911.	2.5	9
82	Outcomes in Temporary ICUs Versus Conventional ICUs: An Observational Cohort of Mechanically Ventilated Patients With COVID-19–Induced Acute Respiratory Distress Syndrome. , 2022, 4, e0668.		9
83	Impact of ertapenem on antimicrobial resistance in a sentinel group of Gram-negative bacilli: a 6 year antimicrobial resistance surveillance study. Journal of Antimicrobial Chemotherapy, 2015, 70, 914-921.	3.0	8
84	Associated factors and outcomes for OXA-232 Carbapenem-resistant Enterobacteriaceae infections in a tertiary care centre in Mexico City: A case–control-control study. Diagnostic Microbiology and Infectious Disease, 2016, 86, 243-248.	1.8	8
85	Genetic diversity and primary drug resistance transmission in Mycobacterium tuberculosis in southern Mexico. Infection, Genetics and Evolution, 2021, 93, 104994.	2.3	8
86	Surveillance of Antimicrobial Resistance in Hospital Wastewater: Identification of Carbapenemase-Producing Klebsiella spp Antibiotics, 2022, 11, 288.	3.7	8
87	Large-scale screening for severe acute respiratory coronavirus virus 2 (SARS-CoV-2) among healthcare workers: Prevalence and risk factors for asymptomatic and pauci-symptomatic carriers, with emphasis on the use of personal protective equipment (PPE). Infection Control and Hospital Epidemiology, 2022, 43, 513-517.	1.8	7
88	Concordance Between Two Enzyme Immunoassays for the Detection of Clostridium difficile Toxins. Archives of Medical Research, 2010, 41, 92-96.	3.3	6
89	False-positive results in the galactomannan Plateliaâ,,¢ Aspergillus assay with generic piperacillin/tazobactam. Revista Iberoamericana De Micologia, 2019, 36, 51-52.	0.9	6
90	Outbreak of NDM-1-Producing Escherichia coli in a Coronavirus Disease 2019 Intensive Care Unit in a Mexican Tertiary Care Center. Microbiology Spectrum, 2022, 10, e0201521.	3.0	6

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91	Determining the risk factors associated with the development of Clostridium difficile infection in patients with hematological diseases. Blood Research, 2019, 54, 120-124.	1.3	5
92	Antimicrobial Resistance Patterns and Clonal Distribution of E. coli, Enterobacter spp. and Acinetobacter spp. Strains Isolated from Two Hospital Wastewater Plants. Antibiotics, 2022, 11, 601.	3.7	5
93	<i>Mycobacterium obuense</i> Bacteremia in a Patient with Pneumonia. Emerging Infectious Diseases, 2019, 25, 1015-1016.	4.3	4
94	Vancomycin-resistant Enterococcus faecium sensitivity to isopropyl alcohol before and after implementing alcohol hand rubbing in a hospital. American Journal of Infection Control, 2019, 47, e27-e29.	2.3	4
95	Isolation of Rhizopus microsporus and Lichtheimia corymbifera from tracheal aspirates of two immunocompetent critically ill patients with COVID-19. Medical Mycology Case Reports, 2021, 33, 32-37.	1.3	4
96	Risk Factors Associated with Failure of Linezolid Therapy in Vancomycin-Resistant <i>Enterococcus faecium</i> Bacteremia: A Retrospective Cohort Study in a Referral Center in Mexico. Microbial Drug Resistance, 2022, 28, 744-749.	2.0	4
97	Cefepime versus ceftazidime for the treatment of serious bacterial infections. Diagnostic Microbiology and Infectious Disease, 1999, 35, 263-268.	1.8	3
98	The influence of hospital antimicrobial use on carbapenem-non-susceptible Enterobacterales incidence rates according to their mechanism of resistance: a time-series analysis. Journal of Hospital Infection, 2020, 105, 757-765.	2.9	3
99	Effect of Tocilizumab in Mortality among Patients with Severe and Critical Covid-19: Experience in a Third-Level Medical Center. Revista De Investigacion Clinica, 2021, , .	0.4	3
100	Investigación sobre epidemiologÃa convencional y molecular de tuberculosis en Orizaba, Veracruz, 1995-2008. Salud Publica De Mexico, 0, 51, .	0.4	2
101	Diagnosis and Treatment of Non-European Fungal Infections. Current Fungal Infection Reports, 2014, 8, 343-352.	2.6	2
102	Mycobacterial Growth Inhibition Assay (MGIA) as a Host Directed Diagnostic Tool for the Evaluation of the Immune Response in Subjects Living With Type 2 Diabetes Mellitus. Frontiers in Cellular and Infection Microbiology, 2021, 11, 640707.	3.9	2
103	Sepsis outbreak associated with use of contaminated propofol in an outpatient procedure clinic. Enfermedades Infecciosas Y MicrobiologÃa ClÃnica, 2021, 39, 304-305.	0.5	2
104	<i>Geotrichum</i> spp: An overlooked and fatal etiologic agent in immunocompromised patients. A case series from a referral center in Mexico. Medical Mycology, 2022, 60, .	0.7	2
105	Identification and susceptibility testing of Candida spp . directly from yeast-positive blood cultures with Vitek 2. Diagnostic Microbiology and Infectious Disease, 2017, 89, 202-204.	1.8	1
106	Mycobacterium tuberculosis complex bacteremia among HIV and non-HIV patients in a Mexican tertiary care center. Brazilian Journal of Infectious Diseases, 2018, 22, 387-391.	0.6	1
107	Chronic pulmonary aspergillosis after pulmonary tuberculosis. Cmaj, 2018, 190, E1171-E1171.	2.0	1
108	High prevalence of MDR gram-negative bacteria in feces of healthy blood donors in Mexico. European Journal of Clinical Microbiology and Infectious Diseases, 2020, 39, 1439-1444.	2.9	1

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109	COVID-19: Whatïż½s Next?. Revista De Investigacion Clinica, 2021, 73, 329-334.	0.4	1
110	Seroprevalence of brucellosis among dairy farm workers in Mexico. Salud Publica De Mexico, 2016, 58, 366-370.	0.4	1
111	Integrating tuberculosis research with public health infrastructure: Lessons on community engagement from Orizaba, Mexico. Gates Open Research, 0, 4, 11.	1.1	1
112	Wuhan: Back to the Future and the Return of Coronaviruses. Revista De Investigacion Clinica, 2020, 72, 5-7.	0.4	1
113	Tracheal Aspirate Galactomannan Testing in COVID-19-Associated Pulmonary Aspergillosis. Frontiers in Fungal Biology, 2022, 3, .	2.0	1
114	Clinical and Epidemiological Description of Diarrheal Episodes Caused by Clostridium difficile RT027 in Mexico. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
115	Thoracic actinomycetoma: a retrospective clinical-epidemiological study of 64 cases. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2021, 115, 337-339.	1.8	0
116	Sepsis outbreak associated with use of contaminated propofol in an outpatient procedure clinic. Enfermedades Infecciosas Y Microbiologia Clinica (English Ed ), 2021, 39, 304-305.	0.3	0
117	Title is missing!. , 2020, 15, e0244051.		0
118	Title is missing!. , 2020, 15, e0244051.		0
119	Title is missing!. , 2020, 15, e0244051.		0
120	Title is missing!. , 2020, 15, e0244051.		0
121	AUTHOR'S REPLY. Revista De Investigacion Clinica, 2020, 72, 251.	0.4	Ο