

Jean-Luc Mainardi

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.

105
papers

5,239
citations

40
h-index

70
g-index

110
ext. papers

6,049
ext. citations

7.2
avg, IF

4.99
L-index

#	Paper	IF	Citations
105	Changing profile of infective endocarditis: results of a 1-year survey in France. <i>JAMA - Journal of the American Medical Association</i> , 2002 , 288, 75-81	27.4	626
104	Comprehensive diagnostic strategy for blood culture-negative endocarditis: a prospective study of 819 new cases. <i>Clinical Infectious Diseases</i> , 2010 , 51, 131-40	11.6	322
103	The peptidoglycan of stationary-phase <i>Mycobacterium tuberculosis</i> predominantly contains cross-links generated by L,D-transpeptidation. <i>Journal of Bacteriology</i> , 2008 , 190, 4360-6	3.5	256
102	The <i>Mycobacterium tuberculosis</i> protein LdtMt2 is a nonclassical transpeptidase required for virulence and resistance to amoxicillin. <i>Nature Medicine</i> , 2010 , 16, 466-9	50.5	208
101	Epidemiologic and clinical characteristics of <i>Bartonella quintana</i> and <i>Bartonella henselae</i> endocarditis: a study of 48 patients. <i>Medicine (United States)</i> , 2001 , 80, 245-51	1.8	166
100	A novel peptidoglycan cross-linking enzyme for a beta-lactam-resistant transpeptidation pathway. <i>Journal of Biological Chemistry</i> , 2005 , 280, 38146-52	5.4	152
99	Outcome and treatment of <i>Bartonella</i> endocarditis. <i>Archives of Internal Medicine</i> , 2003 , 163, 226-30		151
98	Evolution of peptidoglycan biosynthesis under the selective pressure of antibiotics in Gram-positive bacteria. <i>FEMS Microbiology Reviews</i> , 2008 , 32, 386-408	15.1	130
97	Identification of the L,D-transpeptidases responsible for attachment of the Braun lipoprotein to <i>Escherichia coli</i> peptidoglycan. <i>Journal of Bacteriology</i> , 2007 , 189, 3927-31	3.5	126
96	<i>Campylobacter</i> bacteremia: clinical features and factors associated with fatal outcome. <i>Clinical Infectious Diseases</i> , 2008 , 47, 790-6	11.6	124
95	Novel mechanism of beta-lactam resistance due to bypass of DD-transpeptidation in <i>Enterococcus faecium</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 16490-6	5.4	115
94	Inactivation of <i>Mycobacterium tuberculosis</i> l,d-transpeptidase LdtMt2 by carbapenems and cephalosporins. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 4189-95	5.9	103
93	Whole body [(18) F]fluorodeoxyglucose positron emission tomography imaging for the diagnosis of pacemaker or implantable cardioverter defibrillator infection: a preliminary prospective study. <i>Clinical Microbiology and Infection</i> , 2011 , 17, 836-44	9.5	97
92	Unexpected inhibition of peptidoglycan LD-transpeptidase from <i>Enterococcus faecium</i> by the beta-lactam imipenem. <i>Journal of Biological Chemistry</i> , 2007 , 282, 30414-22	5.4	97
91	Crystal structure of a novel beta-lactam-insensitive peptidoglycan transpeptidase. <i>Journal of Molecular Biology</i> , 2006 , 359, 533-8	6.5	95
90	In vitro cross-linking of <i>Mycobacterium tuberculosis</i> peptidoglycan by L,D-transpeptidases and inactivation of these enzymes by carbapenems. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 5940-5	5.9	91
89	Beta-lactamase inhibition by avibactam in <i>Mycobacterium abscessus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 1051-8	5.1	88

88	Diagnosis, management and outcome of Candida endocarditis. <i>Clinical Microbiology and Infection</i> , 2012 , 18, E99-E109	9.5	74
87	The peptidoglycan of Mycobacterium abscessus is predominantly cross-linked by L,D-transpeptidases. <i>Journal of Bacteriology</i> , 2011 , 193, 778-82	3.5	74
86	Lactate racemization as a rescue pathway for supplying D-lactate to the cell wall biosynthesis machinery in Lactobacillus plantarum. <i>Journal of Bacteriology</i> , 2005 , 187, 6750-61	3.5	74
85	Aslfm, the D-aspartate ligase responsible for the addition of D-aspartic acid onto the peptidoglycan precursor of Enterococcus faecium. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11586-94	5.4	68
84	Outbreak of methicillin-resistant Staphylococcus aureus with reduced susceptibility to glycopeptides in a Parisian hospital. <i>Journal of Clinical Microbiology</i> , 2000 , 38, 2985-8	9.7	68
83	Specificity of L,D-transpeptidases from gram-positive bacteria producing different peptidoglycan chemotypes. <i>Journal of Biological Chemistry</i> , 2007 , 282, 13151-9	5.4	66
82	Characterization of broad-spectrum Mycobacterium abscessus class A β -lactamase. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 691-6	5.1	63
81	Balance between two transpeptidation mechanisms determines the expression of beta-lactam resistance in Enterococcus faecium. <i>Journal of Biological Chemistry</i> , 2002 , 277, 35801-7	5.4	62
80	Comparative molecular and microbiologic diagnosis of bacterial endocarditis. <i>Emerging Infectious Diseases</i> , 2003 , 9, 1543-7	10.2	60
79	Streptococcus pneumoniae endocarditis in adults. A multicenter study in France in the era of penicillin resistance (1991-1998). The Pneumococcal Endocarditis Study Group. <i>Medicine (United States)</i> , 2000 , 79, 327-37	1.8	58
78	Human- and plant-pathogenic Pseudomonas species produce bacteriocins exhibiting colicin M-like hydrolase activity towards peptidoglycan precursors. <i>Journal of Bacteriology</i> , 2009 , 191, 3657-64	3.5	55
77	Inhibition of the β -lactamase Bla by Avibactam Improves the and Efficacy of Imipenem against Mycobacterium abscessus. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	54
76	Comparison between adult endocarditis due to beta-hemolytic streptococci (serogroups A, B, C, and G) and Streptococcus milleri: a multicenter study in France. <i>Archives of Internal Medicine</i> , 2002 , 162, 2450-6		52
75	Early ICU energy deficit is a risk factor for Staphylococcus aureus ventilator-associated pneumonia. <i>Chest</i> , 2011 , 140, 1254-1260	5.3	50
74	Value of microimmunofluorescence for diagnosis and follow-up of Bartonella endocarditis. <i>Vaccine Journal</i> , 2002 , 9, 795-801		48
73	Activity of carbapenems combined with clavulanate against murine tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 2597-600	5.9	46
72	Inactivation kinetics of a new target of beta-lactam antibiotics. <i>Journal of Biological Chemistry</i> , 2011 , 286, 22777-84	5.4	42
71	Dolosigranulum pigrum causing nosocomial pneumonia and septicemia. <i>Journal of Clinical Microbiology</i> , 2007 , 45, 3474-5	9.7	42

70	Kinetic features of L,D-transpeptidase inactivation critical for β -lactam antibacterial activity. <i>PLoS ONE</i> , 2013 , 8, e67831	3.7	42
69	Incidence, risk factors and prediction of post-operative acute kidney injury following cardiac surgery for active infective endocarditis: an observational study. <i>Critical Care</i> , 2013 , 17, R220	10.8	41
68	Characteristics and regional variations of group D streptococcal endocarditis in France. <i>Clinical Microbiology and Infection</i> , 2007 , 13, 770-6	9.5	41
67	Bactericidal and intracellular activity of β -lactams against <i>Mycobacterium abscessus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 1556-63	5.1	41
66	The beta-lactam-sensitive D,D-carboxypeptidase activity of Pbp4 controls the L,D and D,D transpeptidation pathways in <i>Corynebacterium jeikeium</i> . <i>Molecular Microbiology</i> , 2009 , 74, 650-61	4.1	36
65	Identification of the UDP-MurNAc-pentapeptide:L-alanine ligase for synthesis of branched peptidoglycan precursors in <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , 2001 , 183, 5122-7	3.5	36
64	Activation of the L,D-transpeptidation peptidoglycan cross-linking pathway by a metallo-D,D-carboxypeptidase in <i>Enterococcus faecium</i> . <i>Molecular Microbiology</i> , 2010 , 75, 874-85	4.1	35
63	Cryopreserved aortic viable homograft for active aortic endocarditis. <i>Annals of Thoracic Surgery</i> , 2005 , 79, 767-71	2.7	33
62	Molecular characterization of <i>Trichomonas tenax</i> causing pulmonary infection. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 3886-7	9.7	33
61	Diabetes mellitus and infective endocarditis: the insulin factor in patient morbidity and mortality. <i>European Heart Journal</i> , 2007 , 28, 59-64	9.5	32
60	Novel mechanism of resistance to glycopeptide antibiotics in <i>Enterococcus faecium</i> . <i>Journal of Biological Chemistry</i> , 2006 , 281, 32254-62	5.4	32
59	Inhibition of β -lactamases of mycobacteria by avibactam and clavulanate. <i>Journal of Antimicrobial Chemotherapy</i> , 2017 , 72, 1081-1088	5.1	30
58	Fulminant invasive pulmonary aspergillosis in immunocompetent patients--a two-case report. <i>Clinical Microbiology and Infection</i> , 2003 , 9, 1224-7	9.5	28
57	Relevance of routine use of the anaerobic blood culture bottle. <i>Journal of Clinical Microbiology</i> , 2007 , 45, 2711-5	9.7	27
56	and Intracellular Activity of Imipenem Combined with Tedizolid, Rifabutin, and Avibactam against. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	27
55	Impact of β -lactamase inhibition on the activity of ceftaroline against <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium abscessus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 2938-41	5.9	26
54	Selectivity for D-lactate incorporation into the peptidoglycan precursors of <i>Lactobacillus plantarum</i> : role of Aad, a VanX-like D-alanyl-D-alanine dipeptidase. <i>Journal of Bacteriology</i> , 2007 , 189, 4332-7	3.5	25
53	and Intracellular Activity of Imipenem Combined with Rifabutin and Avibactam against <i>Mycobacterium abscessus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	24

52	Mediastinitis due to Gram-negative bacteria is associated with increased mortality. <i>Clinical Microbiology and Infection</i> , 2014 , 20, O197-202	9.5	24
51	Functional and structural characterization of PaeM, a colicin M-like bacteriocin produced by <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2012 , 287, 37395-405	5.4	23
50	Synthesis of Avibactam Derivatives and Activity on β Lactamases and Peptidoglycan Biosynthesis Enzymes of Mycobacteria. <i>Chemistry - A European Journal</i> , 2018 , 24, 8081-8086	4.8	22
49	Peptidoglycan cross-linking in glycopeptide-resistant Actinomycetales. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 1749-56	5.9	22
48	Human bartonella infective endocarditis is associated with high frequency of antiproteinase 3 antibodies. <i>Journal of Rheumatology</i> , 2014 , 41, 408-10	4.1	22
47	Kinetic analysis of <i>Enterococcus faecium</i> L,D-transpeptidase inactivation by carbapenems. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 3409-12	5.9	22
46	Hydrolysis of clavulanate by <i>Mycobacterium tuberculosis</i> β Lactamase BlaC harboring a canonical SDN motif. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 5714-20	5.9	21
45	Concomitant <i>Staphylococcus aureus</i> bacteriuria is associated with complicated <i>S. aureus</i> bacteremia. <i>Journal of Infection</i> , 2009 , 59, 240-6	18.9	21
44	Serine/threonine protein phosphatase-mediated control of the peptidoglycan cross-linking L,D-transpeptidase pathway in <i>Enterococcus faecium</i> . <i>MBio</i> , 2014 , 5, e01446-14	7.8	19
43	Hip prosthesis infection due to <i>Mycobacterium wolinskyi</i> . <i>Journal of Clinical Microbiology</i> , 2006 , 44, 3463-47	9.7	19
42	Mechanism of intrinsic resistance to vancomycin in <i>Clostridium innocuum</i> NCIB 10674. <i>Journal of Bacteriology</i> , 2004 , 186, 3415-22	3.5	19
41	Fighting resistant tuberculosis with old compounds: the carbapenem paradigm. <i>Clinical Microbiology and Infection</i> , 2011 , 17, 1755-6	9.5	18
40	Molecular diagnosis of <i>Kingella kingae</i> pericarditis by amplification and sequencing of the 16S rRNA gene. <i>Journal of Clinical Microbiology</i> , 2007 , 45, 3133-4	9.7	17
39	<i>Nocardia pseudobrasiliensis</i> as an emerging cause of opportunistic infection after allogeneic hematopoietic stem cell transplantation. <i>Journal of Clinical Microbiology</i> , 2010 , 48, 656-9	9.7	16
38	Cat scratch disease due to <i>Bartonella henselae</i> serotype Marseille (Swiss cat) in a seronegative patient. <i>Journal of Clinical Microbiology</i> , 1998 , 36, 2800	9.7	16
37	Routes of Synthesis of Carbapenems for Optimizing Both the Inactivation of L,D-Transpeptidase LdtMt1 of <i>Mycobacterium tuberculosis</i> and the Stability toward Hydrolysis by β Lactamase BlaC. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 3427-38	8.3	15
36	Methicillin-resistant <i>Staphylococcus aureus</i> bloodstream infections are associated with a higher energy deficit than other ICU-acquired bacteremia. <i>Intensive Care Medicine</i> , 2014 , 40, 1878-87	14.5	15
35	Do clinicians consider the results of the BinaxNOW <i>Streptococcus pneumoniae</i> urinary antigen test when adapting antibiotic regimens for pneumonia patients?. <i>Clinical Microbiology and Infection</i> , 2010 , 16, 1389-1393	9.5	15

34	Case of indolent endocarditis due to <i>Pseudomonas stutzeri</i> with genetic evidence of relapse after 4 years. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 503-4	9.7	15
33	Early diagnosis of disseminated <i>Mycobacterium genavense</i> infection. <i>Emerging Infectious Diseases</i> , 2008 , 14, 346-7	10.2	14
32	Discovery of the first inhibitors of bacterial enzyme D-aspartate ligase from <i>Enterococcus faecium</i> (Aslfm). <i>European Journal of Medicinal Chemistry</i> , 2013 , 67, 208-20	6.8	13
31	Peptidoglycan Cross-Linking Activity of l,d-Transpeptidases from <i>Clostridium difficile</i> and Inactivation of These Enzymes by β -Lactams. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	11
30	<i>Aspergillus</i> endocarditis in the era of new antifungals: major role for antigen detection. <i>Journal of Infection</i> , 2013 , 67, 85-8	18.9	11
29	Synergistic effect of carbapenem-teicoplanin combination during severe <i>Rhodococcus equi</i> pneumonia in a kidney transplant recipient. <i>Transplant Infectious Disease</i> , 2009 , 11, 359-62	2.7	11
28	Multiplexed whole bacterial antigen microarray, a new format for the automation of serodiagnosis: the culture-negative endocarditis paradigm. <i>Clinical Microbiology and Infection</i> , 2008 , 14, 1112-8	9.5	11
27	Consecutive bacillary angiomatosis and <i>Rhodococcus equi</i> bacteremia during acute leukemia: zoonoses may cause fever in neutropenic patients. <i>Clinical Microbiology and Infection</i> , 2000 , 6, 334-6	9.5	11
26	Critical importance of in vivo amoxicillin and cefotaxime concentrations for synergy in treatment of experimental <i>Enterococcus faecalis</i> endocarditis. <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 468-70	5.9	11
25	First case of <i>Streptococcus oligofermentans</i> endocarditis determined based on <i>sodA</i> gene sequences after amplification directly from valvular samples. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 855-6	9.7	10
24	Postoperative mediastinitis due to <i>Finegoldia magna</i> with negative blood cultures. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 4180-2	9.7	9
23	Intraabdominal macrocystic lymphatic malformation (lymphangioma) infected with <i>Salmonella</i> enteritidis: case report and review. <i>Clinical Infectious Diseases</i> , 1997 , 25, 751-2	11.6	9
22	Resistance to cefotaxime and peptidoglycan composition in <i>Enterococcus faecalis</i> are influenced by exogenous sodium chloride. <i>Microbiology (United Kingdom)</i> , 1998 , 144(Pt 10), 2679-2685	2.9	9
21	Functional and morphological adaptation to peptidoglycan precursor alteration in <i>Lactococcus lactis</i> . <i>Journal of Biological Chemistry</i> , 2010 , 285, 24003-13	5.4	8
20	Activity of isepamicin and selection of permeability mutants to beta-lactams during aminoglycoside therapy of experimental endocarditis due to <i>Klebsiella pneumoniae</i> CF104 producing an aminoglycoside acetyltransferase 6Tmodifying enzyme and a TEM-3 beta-lactamase. <i>Journal of Infectious Diseases</i> , 1994 , 169, 1318-24	7	8
19	Invasive <i>Pasteurella multocida</i> sinusitis in a renal transplant patient. <i>Transplant Infectious Disease</i> , 2008 , 10, 206-8	2.7	7
18	Molecular diagnosis of a vascular prosthesis infection, due to <i>Propionibacterium acnes</i> , by amplification and sequencing of 16S rDNA. <i>Clinical Microbiology and Infection</i> , 2003 , 9, 1125-7	9.5	7
17	Mutation landscape of acquired cross-resistance to glycopeptide and β -lactam antibiotics in <i>Enterococcus faecium</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 5306-15	5.9	6

16	Comparative evaluation of the QMAC-dRAST V2.0 system for rapid antibiotic susceptibility testing of Gram-negative blood culture isolates. <i>Journal of Microbiological Methods</i> , 2020 , 172, 105902	2.8	6
15	Recurrent infective endocarditis due to <i>Aggregatibacter actinomycetemcomitans</i> : reinfection or relapse?. <i>Journal of Medical Microbiology</i> , 2010 , 59, 1524-1526	3.2	6
14	<i>Hafnia alvei</i> endocarditis following pyelonephritis in a permanent pacemaker carrier. <i>Clinical Infectious Diseases</i> , 2007 , 44, 621	11.6	6
13	Multicentre randomised controlled trial to investigate usefulness of the rapid diagnostic β ACTA test performed directly on bacterial cell pellets from respiratory, urinary or blood samples for the early de-escalation of carbapenems in septic intensive care unit patients: the BLUE-CarbA protocol. <i>BMJ Open</i> , 2019 , 9, e024561	3	6
12	Pulmonary homograft endocarditis after Ross procedure. <i>Annals of Thoracic Surgery</i> , 2004 , 78, 687-9	2.7	5
11	Anti-enterococcal antibiotics. <i>Medical Clinics of North America</i> , 2000 , 84, 1471-95	7	5
10	Vancomycin-resistant enterococci and methicillin-resistant <i>Staphylococcus aureus</i> . <i>Current Opinion in Infectious Diseases</i> , 1996 , 9, 256-260	5.4	4
9	Impact of relebactam-mediated inhibition of <i>Mycobacterium abscessus</i> BlaMab β lactamase on the in vitro and intracellular efficacy of imipenem. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 379-383 ^{5.1}		2
8	In vitro and intracellular activity of imipenem combined with tedizolid, rifabutin, and avibactam against <i>Mycobacterium abscessus</i>		2
7	Kinetic mechanism of <i>Enterococcus faecium</i> -d-aspartate ligase. <i>Biochimie</i> , 2019 , 158, 217-223	4.6	1
6	Differences in daptomycin and vancomycin ex vivo behaviour can lead to false interpretation of negative blood cultures. <i>Clinical Microbiology and Infection</i> , 2011 , 17, 1264-7	9.5	1
5	Faut-il encore doser les glycopeptides plasmatiques?. <i>Revue Francaise Des Laboratoires</i> , 2004 , 2004, 35-38		1
4	Assessment of version 2.5 of QMAC-dRAST for rapid antimicrobial susceptibility testing with reduced sample-to-answer turnaround time and an integrated expert system. <i>Infectious Diseases Now</i> , 2021 , 51, 470-476		1
3	<i>Coxiella burnetii</i> endocarditis on bioprosthetic aortic valve, with peripheral arterial embolism. <i>Cardiovascular Pathology</i> , 2018 , 34, 38-39	3.8	
2	β -D-Transpeptidase (<i>Enterococcus</i>) 2013 , 2465-2472		
1	Endocardites β h β oculture n β gative. <i>Revue Francophone Des Laboratoires</i> , 2007 , 2007, 42-45	0	