

Jean-Luc Mainardi

List of Publications by Year in descending order

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108
papers

6,693
citations

66315

42
h-index

66879

78
g-index

110
all docs

110
docs citations

110
times ranked

5505
citing authors

#	ARTICLE	IF	CITATIONS
1	Changing Profile of Infective Endocarditis<SUBTITLE>Results of a 1-Year Survey in France</SUBTITLE>. JAMA - Journal of the American Medical Association, 2002, 288, 75.	3.8	840
2	Comprehensive Diagnostic Strategy for Blood Cultureâ€“Negative Endocarditis: A Prospective Study of 819 New Cases. Clinical Infectious Diseases, 2010, 51, 131-140.	2.9	418
3	The Peptidoglycan of Stationary-Phase <i>Mycobacterium tuberculosis</i> Predominantly Contains Cross-Links Generated by <i>l,d</i> -Transpeptidation. Journal of Bacteriology, 2008, 190, 4360-4366.	1.0	300
4	The <i>Mycobacterium tuberculosis</i> protein LdtMt2 is a nonclassical transpeptidase required for virulence and resistance to amoxicillin. Nature Medicine, 2010, 16, 466-469.	15.2	242
5	Epidemiologic and Clinical Characteristics of <i>Bartonella quintana</i> and <i>Bartonella henselae</i> Endocarditis. Medicine (United States), 2001, 80, 245-251.	0.4	207
6	Outcome and Treatment of <i>Bartonella</i> Endocarditis. Archives of Internal Medicine, 2003, 163, 226.	4.3	202
7	A Novel Peptidoglycan Cross-linking Enzyme for a $\hat{2}$ -Lactam-resistant Transpeptidation Pathway. Journal of Biological Chemistry, 2005, 280, 38146-38152.	1.6	192
8	<i>Campylobacter</i> Bacteremia: Clinical Features and Factors Associated with Fatal Outcome. Clinical Infectious Diseases, 2008, 47, 790-796.	2.9	169
9	Evolution of peptidoglycan biosynthesis under the selective pressure of antibiotics in Gram-positive bacteria. FEMS Microbiology Reviews, 2008, 32, 386-408.	3.9	159
10	Identification of the <i>l, d</i> -Transpeptidases Responsible for Attachment of the Braun Lipoprotein to <i>Escherichia coli</i> Peptidoglycan. Journal of Bacteriology, 2007, 189, 3927-3931.	1.0	153
11	Novel Mechanism of $\hat{2}$ -Lactam Resistance Due to Bypass of DD-Transpeptidation in <i>Enterococcus faecium</i> . Journal of Biological Chemistry, 2000, 275, 16490-16496.	1.6	132
12	Inactivation of <i>Mycobacterium tuberculosis</i> <i>l</i> , <i>d</i> -Transpeptidase LdtMt1 by Carbapenems and Cephalosporins. Antimicrobial Agents and Chemotherapy, 2012, 56, 4189-4195.	1.4	131
13	$\hat{2}$ -Lactamase inhibition by avibactam in <i>Mycobacterium abscessus</i> . Journal of Antimicrobial Chemotherapy, 2015, 70, 1051-1058.	1.3	126
14	<i>In Vitro</i> Cross-Linking of <i>Mycobacterium tuberculosis</i> Peptidoglycan by <i>l</i> , <i>d</i> -Transpeptidases and Inactivation of These Enzymes by Carbapenems. Antimicrobial Agents and Chemotherapy, 2013, 57, 5940-5945.	1.4	124
15	Whole body [18F]fluorodeoxyglucose positron emission tomography imaging for the diagnosis of pacemaker or implantable cardioverter defibrillator infection: a preliminary prospective study. Clinical Microbiology and Infection, 2011, 17, 836-844.	2.8	119
16	Unexpected Inhibition of Peptidoglycan LD-Transpeptidase from <i>Enterococcus faecium</i> by the $\hat{2}$ -Lactam Imipenem. Journal of Biological Chemistry, 2007, 282, 30414-30422.	1.6	115
17	Crystal Structure of a Novel $\hat{2}$ -Lactam-insensitive Peptidoglycan Transpeptidase. Journal of Molecular Biology, 2006, 359, 533-538.	2.0	110
18	Diagnosis, management and outcome of <i>Candida</i> endocarditis. Clinical Microbiology and Infection, 2012, 18, E99-E109.	2.8	97

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19	Characterization of broad-spectrum Mycobacterium abscessus class A β -lactamase. Journal of Antimicrobial Chemotherapy, 2014, 69, 691-696.	1.3	95
20	Outbreak of Methicillin-Resistant <i>Staphylococcus aureus</i> with Reduced Susceptibility to Glycopeptides in a Parisian Hospital. Journal of Clinical Microbiology, 2000, 38, 2985-2988.	1.8	92
21	The Peptidoglycan of <i>Mycobacterium abscessus</i> Is Predominantly Cross-Linked by β , β -Transpeptidases. Journal of Bacteriology, 2011, 193, 778-782.	1.0	91
22	Antibacterial agents: back to the future? Can we live with only colistin, co-trimoxazole and fosfomycin?. Clinical Microbiology and Infection, 2012, 18, 1-3.	2.8	88
23	Aslfm, the D-Aspartate Ligase Responsible for the Addition of D-Aspartic Acid onto the Peptidoglycan Precursor of Enterococcus faecium. Journal of Biological Chemistry, 2006, 281, 11586-11594.	1.6	85
24	Streptococcus pneumoniae Endocarditis in Adults: A Multicenter Study in France in the Era of Penicillin Resistance (1991-1998). Medicine (United States), 2000, 79, 327-337.	0.4	81
25	Lactate Racemization as a Rescue Pathway for Supplying d -Lactate to the Cell Wall Biosynthesis Machinery in Lactobacillus plantarum. Journal of Bacteriology, 2005, 187, 6750-6761.	1.0	81
26	Balance between Two Transpeptidation Mechanisms Determines the Expression of β -Lactam Resistance in Enterococcus faecium. Journal of Biological Chemistry, 2002, 277, 35801-35807.	1.6	78
27	Specificity of L,D-Transpeptidases from Gram-positive Bacteria Producing Different Peptidoglycan Chemotypes. Journal of Biological Chemistry, 2007, 282, 13151-13159.	1.6	78
28	Inhibition of the β -Lactamase Bla _{Mab} by Avibactam Improves the <i>In Vitro</i> and <i>In Vivo</i> Efficacy of Imipenem against Mycobacterium abscessus. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	73
29	Human- and Plant-Pathogenic <i>Pseudomonas</i> Species Produce Bacteriocins Exhibiting Colicin M-Like Hydrolase Activity towards Peptidoglycan Precursors. Journal of Bacteriology, 2009, 191, 3657-3664.	1.0	68
30	Value of Microimmunofluorescence for Diagnosis and Follow-up of Bartonella Endocarditis. Vaccine Journal, 2002, 9, 795-801.	3.2	67
31	Comparison Between Adult Endocarditis Due to β -Hemolytic Streptococci (Serogroups A, B, C, and G) and Streptococcus milleri_A Multicenter Study in France_A. Archives of Internal Medicine, 2002, 162, 2450.	4.3	64
32	Early ICU Energy Deficit Is a Risk Factor for Staphylococcus aureus Ventilator-Associated Pneumonia. Chest, 2011, 140, 1254-1260.	0.4	64
33	Comparative molecular and microbiologic diagnosis of bacterial endocarditis. Emerging Infectious Diseases, 2003, 9, 1543-7.	2.0	63
34	Kinetic Features of L,D-Transpeptidase Inactivation Critical for β -Lactam Antibacterial Activity. PLoS ONE, 2013, 8, e67831.	1.1	56
35	Bactericidal and intracellular activity of β -lactams against <i>Mycobacterium abscessus</i> . Journal of Antimicrobial Chemotherapy, 2016, 71, 1556-1563.	1.3	55
36	<i>Dolosigranulum pigrum</i> Causing Nosocomial Pneumonia and Septicemia. Journal of Clinical Microbiology, 2007, 45, 3474-3475.	1.8	53

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37	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.	2.5	53
38	Characteristics and regional variations of group D streptococcal endocarditis in France. <i>Clinical Microbiology and Infection</i> , 2007, 13, 770-776.	2.8	51
39	Activity of Carbapenems Combined with Clavulanate against Murine Tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 2597-2600.	1.4	51
40	Inactivation Kinetics of a New Target of β -Lactam Antibiotics. <i>Journal of Biological Chemistry</i> , 2011, 286, 22777-22784.	1.6	50
41	<i>In Vitro</i> and Intracellular Activity of Imipenem Combined with Tedizolid, Rifabutin, and Avibactam against <i>Mycobacterium abscessus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	48
42	Molecular Characterization of <i>Trichomonas tenax</i> Causing Pulmonary Infection. <i>Journal of Clinical Microbiology</i> , 2004, 42, 3886-3887.	1.8	45
43	Cryopreserved Aortic Viable Homograft for Active Aortic Endocarditis. <i>Annals of Thoracic Surgery</i> , 2005, 79, 767-771.	0.7	42
44	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, 5122-5127.	1.0	39
45	Activation of the β -transpeptidation peptidoglycan cross-linking pathway by a metallo-carboxypeptidase in <i>Enterococcus faecium</i> . <i>Molecular Microbiology</i> , 2010, 75, 874-885.	1.2	39
46	Inhibition of β -lactamases of mycobacteria by avibactam and clavulanate. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, dkw546.	1.3	39
47	Diabetes mellitus and infective endocarditis: the insulin factor in patient morbidity and mortality. <i>European Heart Journal</i> , 2006, 28, 59-64.	1.0	38
48	Mediastinitis due to Gram-negative bacteria is associated with increased mortality. <i>Clinical Microbiology and Infection</i> , 2014, 20, O197-O202.	2.8	38
49	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, 4332-4337.	1.0	37
50	The β -lactam-sensitive carboxypeptidase activity of Pbp4 controls the β -transpeptidation pathways in <i>Corynebacterium jeikeium</i> . <i>Molecular Microbiology</i> , 2009, 74, 650-661.	1.2	37
51	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, 2938-2941.	1.4	37
52	Novel Mechanism of Resistance to Glycopeptide Antibiotics in <i>Enterococcus faecium</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 32254-32262.	1.6	36
53	Relevance of Routine Use of the Anaerobic Blood Culture Bottle. <i>Journal of Clinical Microbiology</i> , 2007, 45, 2711-2715.	1.8	36
54	Fulminant invasive pulmonary aspergillosis in immunocompetent patients—a two-case report. <i>Clinical Microbiology and Infection</i> , 2003, 9, 1224-1227.	2.8	35

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55	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, 37395-37405.	1.6	33
56	Synthesis of Avibactam Derivatives and Activity on β -Lactamases and Peptidoglycan Biosynthesis Enzymes of <i>Mycobacteria</i> . <i>Chemistry - A European Journal</i> , 2018, 24, 8081-8086.	1.7	30
57	<i>Streptococcus pneumoniae</i> : still a major pathogen. <i>Clinical Microbiology and Infection</i> , 2010, 16, 401.	2.8	29
58	Hydrolysis of Clavulanate by <i>Mycobacterium tuberculosis</i> β -Lactamase BlaC Harboring a Canonical SDN Motif. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5714-5720.	1.4	28
59	<i>In Vitro</i> and Intracellular Activity of Imipenem Combined with Rifabutin and Avibactam against <i>Mycobacterium abscessus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	28
60	Concomitant <i>Staphylococcus aureus</i> bacteriuria is associated with complicated <i>S. aureus</i> bacteremia. <i>Journal of Infection</i> , 2009, 59, 240-246.	1.7	26
61	Human <i>Bartonella</i> Infective Endocarditis is Associated with High Frequency of Antiproteinase 3 Antibodies. <i>Journal of Rheumatology</i> , 2014, 41, 408-410.	1.0	26
62	Kinetic Analysis of <i>Enterococcus faecium</i> β -Transpeptidase Inactivation by Carbapenems. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 3409-3412.	1.4	25
63	Serine/Threonine Protein Phosphatase-Mediated Control of the Peptidoglycan Cross-Linking β -Transpeptidase Pathway in <i>Enterococcus faecium</i> . <i>MBio</i> , 2014, 5, e01446-14.	1.8	25
64	Mechanism of Intrinsic Resistance to Vancomycin in <i>Clostridium innocuum</i> NCIB 10674. <i>Journal of Bacteriology</i> , 2004, 186, 3415-3422.	1.0	24
65	Routes of Synthesis of Carbapenems for Optimizing Both the Inactivation of β -Transpeptidase Ldt _{Mt1} of <i>Mycobacterium tuberculosis</i> and the Stability toward Hydrolysis by β -Lactamase BlaC. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3427-3438.	2.9	23
66	Peptidoglycan Cross-Linking Activity of β -Transpeptidases from <i>Clostridium difficile</i> and Inactivation of These Enzymes by β -Lactams. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	23
67	Hip Prosthesis Infection Due to <i>Mycobacterium wolinskyi</i> . <i>Journal of Clinical Microbiology</i> , 2006, 44, 3463-3464.	1.8	22
68	Peptidoglycan Cross-Linking in Glycopeptide-Resistant Actinomycetales. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1749-1756.	1.4	22
69	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, 2800-2800.	1.8	21
70	<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, 656-659.	1.8	20
71	Fighting resistant tuberculosis with old compounds: the carbapenem paradigm. <i>Clinical Microbiology and Infection</i> , 2011, 17, 1755-1756.	2.8	20
72	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, 1878-1887.	3.9	20

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73	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, 3133-3134.	1.8	19
74	Do clinicians consider the results of the BinaxNOW Streptococcus pneumoniae urinary antigen test when adapting antibiotic regimens for pneumonia patients?. <i>Clinical Microbiology and Infection</i> , 2010, 16, 1389-1393.	2.8	19
75	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, 208-220.	2.6	19
76	Early Diagnosis of Disseminated <i>Mycobacterium genavense</i> Infection. <i>Emerging Infectious Diseases</i> , 2008, 14, 346-347.	2.0	18
77	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, 503-504.	1.8	17
78	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, 334-336.	2.8	14
79	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, 1112-1118.	2.8	14
80	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, 468-470.	1.4	14
81	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, 359-362.	0.7	13
82	<i>Aspergillus</i> endocarditis in the era of new antifungals: Major role for antigen detection. <i>Journal of Infection</i> , 2013, 67, 85-88.	1.7	13
83	Resistance to cefotaxime and peptidoglycan composition in <i>Enterococcus faecalis</i> are influenced by exogenous sodium chloride. <i>Microbiology (United Kingdom)</i> , 1998, 144, 2679-2685.	0.7	12
84	Postoperative Mediastinitis Due to <i>Fingoldia magna</i> with Negative Blood Cultures. <i>Journal of Clinical Microbiology</i> , 2009, 47, 4180-4182.	1.8	12
85	Intraabdominal Macrocystic Lymphatic Malformation (Lymphangioma) Infected with <i>Salmonella enteritidis</i> : Case Report and Review. <i>Clinical Infectious Diseases</i> , 1997, 25, 751-752.	2.9	11
86	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, 855-856.	1.8	11
87	Functional and Morphological Adaptation to Peptidoglycan Precursor Alteration in <i>Lactococcus lactis</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 24003-24013.	1.6	11
88	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.	0.7	11
89	Activity of Isepamicin and Selection of Permeability Mutants to β -Lactams during Aminoglycoside Therapy of Experimental Endocarditis Due to <i>Klebsiella pneumoniae</i> CF104 Producing an Aminoglycoside Acetyltransferase 6' Modifying Enzyme and a TEM-3 β -Lactamase. <i>Journal of Infectious Diseases</i> , 1994, 169, 1318-1324.	1.9	9
90	Invasive <i>Pasteurella multocida</i> sinusitis in a renal transplant patient. <i>Transplant Infectious Disease</i> , 2008, 10, 206-208.	0.7	9

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91	Recurrent infective endocarditis due to <i>Aggregatibacter actinomycetemcomitans</i> : reinfection or relapse?. <i>Journal of Medical Microbiology</i> , 2010, 59, 1524-1526.	0.7	9
92	Multicentre randomised controlled trial to investigate usefulness of the rapid diagnostic β -LACTA 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.	0.8	9
93	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, 1125-1127.	2.8	8
94	<i>Hafnia alvei</i> Endocarditis following Pyelonephritis in a Permanent Pacemaker Carrier. <i>Clinical Infectious Diseases</i> , 2007, 44, 621-621.	2.9	8
95	ANTIENTEROCOCCAL ANTIBIOTICS. <i>Medical Clinics of North America</i> , 2000, 84, 1471-1495.	1.1	7
96	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, 5306-5315.	1.4	7
97	Vancomycin-resistant enterococci and methicillin-resistant <i>Staphylococcus aureus</i> . <i>Current Opinion in Infectious Diseases</i> , 1996, 9, 256-260.	1.3	6
98	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.	0.7	6
99	Pulmonary homograft endocarditis after ross procedure. <i>Annals of Thoracic Surgery</i> , 2004, 78, 687-689.	0.7	5
100	Impact of relebactam-mediated inhibition of <i>Mycobacterium abscessus</i> Bla _{Mab} β -lactamase on the in vitro and intracellular efficacy of imipenem. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 379-383.	1.3	3
101	Faut-il encore doser les glycopeptides plasmatiques?. <i>Revue Francaise Des Laboratoires</i> , 2004, 2004, 35-38.	0.0	2
102	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, 1264-1267.	2.8	1
103	Kinetic mechanism of <i>Enterococcus faecium</i> d-aspartate ligase. <i>Biochimie</i> , 2019, 158, 217-223.	1.3	1
104	Endocardites à culture négative. <i>Revue Francophone Des Laboratoires</i> , 2007, 2007, 42-45.	0.0	0
105	Impact Of Energy Deficit On The Microbiology Of Ventilator-associated Pneumonia. , 2010, ,		0
106	l,d-Transpeptidase (<i>Enterococcus</i>). , 2013, , 2465-2472.		0
107	<i>Coxiella burnetii</i> endocarditis on bioprosthetic aortic valve, with peripheral arterial embolism. <i>Cardiovascular Pathology</i> , 2018, 34, 38-39.	0.7	0
108	Resistance to cefotaxime and peptidoglycan composition in <i>Enterococcus faecalis</i> are influenced by exogenous sodium chloride. <i>Microbiology (United Kingdom)</i> , 1999, 145, 986-986.	0.7	0