

Alexander Tomasz

List of Publications by Year in Descending Order

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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.

297 papers	30,251 citations	87 h-index	166 g-index
312 ext. papers	32,523 ext. citations	7.1 avg, IF	6.74 L-index

#	Paper	IF	Citations
297	Evaluation of Topical Lysostaphin as a Novel Treatment for Instrumented Rhesus Macaques () Infected with Methicillin-Resistant. <i>Comparative Medicine</i> , 2020 , 70, 335-347	1.6	4
296	The Cell Wall of. <i>Microbiology Spectrum</i> , 2019 , 7,	8.9	17
295	The Staphylococcal Cell Wall. <i>Microbiology Spectrum</i> , 2019 , 7,	8.9	5
294	The Staphylococcal Cell Wall 2019 , 574-591		1
293	The Cell Wall of Streptococcus pneumoniae 2019 , 284-303		0
292	Staphylococcus aureus Infecting and Colonizing Experimental Animals, Macaques, in a Research Animal Facility. <i>Microbial Drug Resistance</i> , 2019 , 25, 54-62	2.9	2
291	Genetic Determinants of High-Level Oxacillin Resistance in Methicillin-Resistant Staphylococcus aureus. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	8
290	Phenotypic signatures and genetic determinants of oxacillin tolerance in a laboratory mutant of Staphylococcus aureus. <i>PLoS ONE</i> , 2018 , 13, e0199707	3.7	8
289	Full-Genome Sequencing Identifies in the Genetic Background Several Determinants That Modulate the Resistance Phenotype in Methicillin-Resistant Staphylococcus aureus Strains Carrying the Novel Gene. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	16
288	Antibiotic Resistance as a Stress Response: Recovery of High-Level Oxacillin Resistance in Methicillin-Resistant Staphylococcus aureus "Auxiliary" () Mutants by Induction of the Stringent Stress Response. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	11
287	Evolutionary Origin of the Staphylococcal Cassette Chromosome (SCC). <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	39
286	High-Level Resistance of Staphylococcus aureus to β -Lactam Antibiotics Mediated by Penicillin-Binding Protein 4 (PBP4). <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	27
285	Evidence for the evolutionary steps leading to mecA-mediated β -lactam resistance in staphylococci. <i>PLoS Genetics</i> , 2017 , 13, e1006674	6	44
284	Methicillin-resistant Staphylococcus aureus emerged long before the introduction of methicillin into clinical practice. <i>Genome Biology</i> , 2017 , 18, 130	18.3	121
283	Heterogeneous oxacillin-resistant phenotypes and production of PBP2A by oxacillin-susceptible/mecA-positive MRSA strains from Africa. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 2804-9	5.1	13
282	Role of the Stringent Stress Response in the Antibiotic Resistance Phenotype of Methicillin-Resistant Staphylococcus aureus. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 2311-7	5.9	36
281	Ability of Antibiotic-Resistant Nonvaccine-Type Pneumococcal Clones to Cause Otitis Media in an Infant Mouse Model of Pneumococcal-Influenza Virus Coinfection. <i>Microbial Drug Resistance</i> , 2016 , 22, 97-101	2.9	2

280	MRSA Causing Infections in Hospitals in Greater Metropolitan New York: Major Shift in the Dominant Clonal Type between 1996 and 2014. <i>PLoS ONE</i> , 2016 , 11, e0156924	3.7	19
279	From the Bench to the Barbershop: Community Engagement to Raise Awareness About Community-Acquired Methicillin-Resistant and Hepatitis C Virus Infection. <i>Progress in Community Health Partnerships: Research, Education, and Action</i> , 2016 , 10, 413-423	1.2	5
278	Recurrent furunculosis caused by a community-acquired Staphylococcus aureus strain belonging to the USA300 clone. <i>Microbial Drug Resistance</i> , 2015 , 21, 237-43	2.9	8
277	Molecular Types of Methicillin-Resistant Staphylococcus aureus and Methicillin-Sensitive S. aureus Strains Causing Skin and Soft Tissue Infections and Nasal Colonization, Identified in Community Health Centers in New York City. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 2648-58	9.7	25
276	Mechanisms of vancomycin resistance in Staphylococcus aureus. <i>Journal of Clinical Investigation</i> , 2014 , 124, 2836-40	15.9	263
275	Intermediate-type vancomycin resistance (VISA) in genetically-distinct Staphylococcus aureus isolates is linked to specific, reversible metabolic alterations. <i>PLoS ONE</i> , 2014 , 9, e97137	3.7	13
274	Novel determinants of antibiotic resistance: identification of mutated loci in highly methicillin-resistant subpopulations of methicillin-resistant Staphylococcus aureus. <i>MBio</i> , 2014 , 5, e0100078	7.8	51
273	The glucosaminidase domain of Atl - the major Staphylococcus aureus autolysin - has DNA-binding activity. <i>MicrobiologyOpen</i> , 2014 , 3, 247-56	3.4	13
272	Variable recombination dynamics during the emergence, transmission and dissemination of a multidrug-resistant pneumococcal clone. <i>BMC Biology</i> , 2014 , 12, 49	7.3	57
271	Whole-genome sequencing reveals a link between β -lactam resistance and synthetases of the alarmone (p)ppGpp in Staphylococcus aureus. <i>Microbial Drug Resistance</i> , 2013 , 19, 153-9	2.9	50
270	Alternative mutational pathways to intermediate resistance to vancomycin in methicillin-resistant Staphylococcus aureus. <i>Journal of Infectious Diseases</i> , 2013 , 208, 67-74	7	35
269	The use of whole genome sequencing to solve an epidemiological puzzle. <i>EMBO Molecular Medicine</i> , 2013 , 5, 486-7	12	2
268	Virulence potential and genome-wide characterization of drug resistant Streptococcus pneumoniae clones selected in vivo by the 7-valent pneumococcal conjugate vaccine. <i>PLoS ONE</i> , 2013 , 8, e74867	3.7	13
267	The mechanism of heterogeneous beta-lactam resistance in MRSA: key role of the stringent stress response. <i>PLoS ONE</i> , 2013 , 8, e82814	3.7	58
266	Evolution of Molecular Techniques for the Characterization of MRSA Clones 2012 , 571-592		1
265	Identification of genetic determinants and enzymes involved with the amidation of glutamic acid residues in the peptidoglycan of Staphylococcus aureus. <i>PLoS Pathogens</i> , 2012 , 8, e1002508	7.6	73
264	Isolation and analysis of cell wall components from Streptococcus pneumoniae. <i>Analytical Biochemistry</i> , 2012 , 421, 657-66	3.1	69
263	Genetic pathway in acquisition and loss of vancomycin resistance in a methicillin resistant Staphylococcus aureus (MRSA) strain of clonal type USA300. <i>PLoS Pathogens</i> , 2012 , 8, e1002505	7.6	90

262	Properties of a novel PBP2A protein homolog from <i>Staphylococcus aureus</i> strain LGA251 and its contribution to the β -lactam-resistant phenotype. <i>Journal of Biological Chemistry</i> , 2012 , 287, 36854-63	5.4	89
261	Guidelines for reporting novel mecA gene homologues. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 4997-9	5.9	119
260	In vivo capsular switch in <i>Streptococcus pneumoniae</i> --analysis by whole genome sequencing. <i>PLoS ONE</i> , 2012 , 7, e47983	3.7	18
259	Rapid pneumococcal evolution in response to clinical interventions. <i>Science</i> , 2011 , 331, 430-4	33.3	680
258	The CEM-NET initiative: molecular biology and epidemiology in alliance--tracking antibiotic-resistant staphylococci and pneumococci in hospitals and in the community. <i>International Journal of Medical Microbiology</i> , 2011 , 301, 623-9	3.7	3
257	Differences in genotype and virulence among four multidrug-resistant <i>Streptococcus pneumoniae</i> isolates belonging to the PMEN1 clone. <i>PLoS ONE</i> , 2011 , 6, e28850	3.7	22
256	Role of teichoic acid choline moieties in the virulence of <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2009 , 77, 2824-31	3.7	15
255	Reconstruction of the phenotypes of methicillin-resistant <i>Staphylococcus aureus</i> by replacement of the staphylococcal cassette chromosome mec with a plasmid-borne copy of <i>Staphylococcus sciuri</i> pbpD gene. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 435-41	5.9	33
254	Evidence for a dual role of PBP1 in the cell division and cell separation of <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2009 , 72, 895-904	4.1	43
253	Essential role of choline for pneumococcal virulence in an experimental model of meningitis. <i>Journal of Internal Medicine</i> , 2008 , 264, 143-54	10.8	23
252	Comparative study of the susceptibilities of major epidemic clones of methicillin-resistant <i>Staphylococcus aureus</i> to oxacillin and to the new broad-spectrum cephalosporin ceftobiprole. <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 2709-17	5.9	27
251	Role of a sodium-dependent symporter homologue in the thermosensitivity of beta-lactam antibiotic resistance and cell wall composition in <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 505-12	5.9	5
250	Penicillin-binding proteins and cell wall composition in beta-lactam-sensitive and -resistant strains of <i>Staphylococcus sciuri</i> . <i>Journal of Bacteriology</i> , 2008 , 190, 508-14	3.5	44
249	Different pathways of choline metabolism in two choline-independent strains of <i>Streptococcus pneumoniae</i> and their impact on virulence. <i>Journal of Bacteriology</i> , 2008 , 190, 5907-14	3.5	16
248	Characterization of tRNA-dependent peptide bond formation by MurM in the synthesis of <i>Streptococcus pneumoniae</i> peptidoglycan. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6402-17	5.4	65
247	Fluorescence ratio imaging microscopy shows decreased access of vancomycin to cell wall synthetic sites in vancomycin-resistant <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 3627-33	5.9	59
246	Role of PBP1 in cell division of <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 3525-31	3.5	77
245	Perturbation of cell wall synthesis suppresses autolysis in <i>Staphylococcus aureus</i> : evidence for coregulation of cell wall synthetic and hydrolytic enzymes. <i>Journal of Bacteriology</i> , 2007 , 189, 7573-80	3.5	40

244	Extensive and genome-wide changes in the transcription profile of <i>Staphylococcus aureus</i> induced by modulating the transcription of the cell wall synthesis gene <i>murF</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 2376-91	3.5	60
243	Tracking the in vivo evolution of multidrug resistance in <i>Staphylococcus aureus</i> by whole-genome sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9451-6	11.5	456
242	The essential <i>tacF</i> gene is responsible for the choline-dependent growth phenotype of <i>Streptococcus pneumoniae</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 7105-11	3.5	43
241	Antibiotic resistant <i>Staphylococcus aureus</i> : a paradigm of adaptive power. <i>Current Opinion in Microbiology</i> , 2007 , 10, 428-35	7.9	188
240	Role of <i>VraSR</i> in antibiotic resistance and antibiotic-induced stress response in <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 3424-34	5.9	128
239	Microbiology. Weapons of microbial drug resistance abound in soil flora. <i>Science</i> , 2006 , 311, 342-3	33.3	24
238	A link in transcription between the native <i>pbpB</i> and the acquired <i>mecA</i> gene in a strain of <i>Staphylococcus aureus</i> . <i>Microbiology (United Kingdom)</i> , 2006 , 152, 2549-2558	2.9	12
237	Inhibition of the autolytic system by vancomycin causes mimicry of vancomycin-intermediate <i>Staphylococcus aureus</i> -type resistance, cell concentration dependence of the MIC, and antibiotic tolerance in vancomycin-susceptible <i>S. aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 527-33	5.9	44
236	Overexpression of genes of the cell wall stimulon in clinical isolates of <i>Staphylococcus aureus</i> exhibiting vancomycin-intermediate- <i>S. aureus</i> -type resistance to vancomycin. <i>Journal of Bacteriology</i> , 2006 , 188, 1120-33	3.5	170
235	Role of <i>murF</i> in cell wall biosynthesis: isolation and characterization of a <i>murF</i> conditional mutant of <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2006 , 188, 2543-53	3.5	34
234	Drastic reduction in the virulence of <i>Streptococcus pneumoniae</i> expressing type 2 capsular polysaccharide but lacking choline residues in the cell wall. <i>Molecular Microbiology</i> , 2006 , 60, 93-107	4.1	39
233	Attenuation of penicillin resistance in a peptidoglycan O-acetyl transferase mutant of <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 2006 , 61, 1497-509	4.1	83
232	Expression of high-level methicillin resistance in <i>Staphylococcus aureus</i> from the <i>Staphylococcus sciuri</i> <i>mec A</i> homologue: role of mutation(s) in the genetic background and in the coding region of <i>mec A</i> . <i>Microbial Drug Resistance</i> , 2005 , 11, 215-24	2.9	8
231	Requirements of peptidoglycan structure that allow detection by the <i>Drosophila</i> Toll pathway. <i>EMBO Reports</i> , 2005 , 6, 327-33	6.5	87
230	Genome sequencing in microfabricated high-density picolitre reactors. <i>Nature</i> , 2005 , 437, 376-80	50.4	5971
229	High-level (beta)-lactam resistance and cell wall synthesis catalyzed by the <i>mecA</i> homologue of <i>Staphylococcus sciuri</i> introduced into <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2005 , 187, 6651-8	3.5	14
228	Serotypes and clonal types of penicillin-susceptible <i>streptococcus pneumoniae</i> causing invasive disease in children in five Latin American countries. <i>Microbial Drug Resistance</i> , 2005 , 11, 195-204	2.9	22
227	Role of penicillin-binding protein 2 (PBP2) in the antibiotic susceptibility and cell wall cross-linking of <i>Staphylococcus aureus</i> : evidence for the cooperative functioning of PBP2, PBP4, and PBP2A. <i>Journal of Bacteriology</i> , 2005 , 187, 1815-24	3.5	120

226	International clones of methicillin-resistant <i>Staphylococcus aureus</i> in two hospitals in Miami, Florida. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 542-7	9.7	69
225	High level oxacillin and vancomycin resistance and altered cell wall composition in <i>Staphylococcus aureus</i> carrying the staphylococcal <i>mecA</i> and the enterococcal <i>vanA</i> gene complex. <i>Journal of Biological Chemistry</i> , 2004 , 279, 3398-407	5.4	70
224	Role of <i>murE</i> in the Expression of beta-lactam antibiotic resistance in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2004 , 186, 1705-13	3.5	37
223	Penicillin-binding protein 2 is essential for expression of high-level vancomycin resistance and cell wall synthesis in vancomycin-resistant <i>Staphylococcus aureus</i> carrying the enterococcal <i>vanA</i> gene complex. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 4566-73	5.9	39
222	The structure of the cell wall peptidoglycan of <i>Bacillus cereus</i> RSVF1, a strain closely related to <i>Bacillus anthracis</i> . <i>Microbial Drug Resistance</i> , 2004 , 10, 77-82	2.9	24
221	Alterations of cell wall structure and metabolism accompany reduced susceptibility to vancomycin in an isogenic series of clinical isolates of <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2003 , 185, 7103-10	3.5	144
220	X-ray structure of an <i>M. jannaschii</i> DNA-binding protein: implications for antibiotic resistance in <i>S. aureus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2003 , 50, 170-3	4.2	19
219	Building the national health information infrastructure for personal health, health care services, public health, and research. <i>BMC Medical Informatics and Decision Making</i> , 2003 , 3, 1	3.6	98
218	EURISWEB--Web-based epidemiological surveillance of antibiotic-resistant pneumococci in day care centers. <i>BMC Medical Informatics and Decision Making</i> , 2003 , 3, 9	3.6	10
217	Cell wall branches, penicillin resistance and the secrets of the MurM protein. <i>Trends in Microbiology</i> , 2003 , 11, 547-53	12.4	36
216	"Intelligence coup" for drug designers: crystal structure of <i>Staphylococcus aureus</i> beta-lactam resistance protein PBP2A. <i>Lancet, The</i> , 2003 , 361, 795-6	4.0	7
215	Evolution of a vancomycin-intermediate <i>Staphylococcus aureus</i> strain in vivo: multiple changes in the antibiotic resistance phenotypes of a single lineage of methicillin-resistant <i>S. aureus</i> under the impact of antibiotics administered for chemotherapy. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 1687-93	9.7	121
214	Development of methicillin resistance in clinical isolates of <i>Staphylococcus sciuri</i> by transcriptional activation of the <i>mecA</i> homologue native to <i>s. aureus</i> . <i>Journal of Bacteriology</i> , 2003 , 185, 645-53	3.5	77
213	Frequent recovery of a single clonal type of multidrug-resistant <i>Staphylococcus aureus</i> from patients in two hospitals in Taiwan and China. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 159-63	9.7	104
212	Inactivation of the <i>srtA</i> gene affects localization of surface proteins and decreases adhesion of <i>Streptococcus pneumoniae</i> to human pharyngeal cells in vitro. <i>Infection and Immunity</i> , 2003 , 71, 2758-65	3.7	113
211	Cocrystal structures of diaminopimelate decarboxylase: mechanism, evolution, and inhibition of an antibiotic resistance accessory factor. <i>Structure</i> , 2002 , 10, 1499-508	5.2	48
210	The <i>murMN</i> operon: a functional link between antibiotic resistance and antibiotic tolerance in <i>Streptococcus pneumoniae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1550-5	11.5	54
209	Peptidoglycan N-acetylglucosamine deacetylase, a putative virulence factor in <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2002 , 70, 7176-8	3.7	96

208	Pilot study of the genetic diversity of the pneumococcal nasopharyngeal flora among children attending day care centers. <i>Journal of Clinical Microbiology</i> , 2002 , 40, 3577-85	9.7	27
207	Diversity of penicillin-nonsusceptible <i>Streptococcus pneumoniae</i> circulating in Iceland after the introduction of penicillin-resistant clone Spain(6B)-2. <i>Journal of Infectious Diseases</i> , 2002 , 186, 966-75	7	21
206	Secrets of success of a human pathogen: molecular evolution of pandemic clones of methicillin-resistant <i>Staphylococcus aureus</i> . <i>Lancet Infectious Diseases</i> , 2002 , 2, 180-9	25.5	372
205	Identification of the teichoic acid phosphorylcholine esterase in <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 2001 , 39, 1610-22	4.1	55
204	High rates of multiple antibiotic resistance in <i>Streptococcus pneumoniae</i> from healthy children living in isolated rural communities: association with cephalosporin use and intrafamilial transmission. <i>Pediatrics</i> , 2001 , 108, 856-65	7.4	97
203	Multilocus sequence typing of <i>Streptococcus pneumoniae</i> clones with unusual drug resistance patterns: genetic backgrounds and relatedness to other epidemic clones. <i>Journal of Infectious Diseases</i> , 2001 , 184, 1206-10	7	37
202	Functional analysis of <i>Streptococcus pneumoniae</i> MurM reveals the region responsible for its specificity in the synthesis of branched cell wall peptides. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39618-28	5.4	30
201	The evolution of methicillin resistance in <i>Staphylococcus aureus</i> : similarity of genetic backgrounds in historically early methicillin-susceptible and -resistant isolates and contemporary epidemic clones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 9865-70	11.5	246
200	Recruitment of the <i>mecA</i> gene homologue of <i>Staphylococcus sciuri</i> into a resistance determinant and expression of the resistant phenotype in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2001 , 183, 2417-24	3.5	146
199	Nomenclature of major antimicrobial-resistant clones of <i>Streptococcus pneumoniae</i> defined by the pneumococcal molecular epidemiology network. <i>Journal of Clinical Microbiology</i> , 2001 , 39, 2565-71	9.7	447
198	Complementation of the essential peptidoglycan transpeptidase function of penicillin-binding protein 2 (PBP2) by the drug resistance protein PBP2A in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2001 , 183, 6525-31	3.5	156
197	The role of <i>murMN</i> operon in penicillin resistance and antibiotic tolerance of <i>Streptococcus pneumoniae</i> . <i>Microbial Drug Resistance</i> , 2001 , 7, 303-16	2.9	19
196	The evolution of pandemic clones of methicillin-resistant <i>Staphylococcus aureus</i> : identification of two ancestral genetic backgrounds and the associated <i>mec</i> elements. <i>Microbial Drug Resistance</i> , 2001 , 7, 349-61	2.9	236
195	An acquired and a native penicillin-binding protein cooperate in building the cell wall of drug-resistant staphylococci. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 10886-91	11.5	266
194	Penicillin-resistant <i>Streptococcus pneumoniae</i> in metropolitan New York hospitals: case control study and molecular typing of resistant isolates. <i>Microbial Drug Resistance</i> , 2001 , 7, 137-52	2.9	7
193	Characterization of <i>Staphylococcus aureus</i> cell wall glycan strands, evidence for a new beta-N-acetylglucosaminidase activity. <i>Journal of Biological Chemistry</i> , 2000 , 275, 9910-8	5.4	89
192	Cloning, characterization, and inactivation of the gene <i>pbpC</i> , encoding penicillin-binding protein 3 of <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2000 , 182, 1074-9	3.5	60
191	The <i>pgdA</i> gene encodes for a peptidoglycan N-acetylglucosamine deacetylase in <i>Streptococcus pneumoniae</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 20496-501	5.4	202

190	Characterization of the murMN operon involved in the synthesis of branched peptidoglycan peptides in <i>Streptococcus pneumoniae</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 27768-74	5.4	50
189	Distribution of methicillin-resistant <i>Staphylococcus aureus</i> clones among health care facilities in Connecticut, New Jersey, and Pennsylvania.. <i>Microbial Drug Resistance</i> , 2000 , 6, 245-51	2.9	37
188	Carriage of internationally spread clones of <i>Streptococcus pneumoniae</i> with unusual drug resistance patterns in children attending day care centers in Lisbon, Portugal. <i>Journal of Infectious Diseases</i> , 2000 , 182, 1153-60	7	76
187	Distribution of the mosaic structured murM genes among natural populations of <i>Streptococcus pneumoniae</i> . <i>Journal of Bacteriology</i> , 2000 , 182, 6798-805	3.5	42
186	Molecular typing of methicillin-resistant <i>Staphylococcus aureus</i> by pulsed-field gel electrophoresis: comparison of results obtained in a multilaboratory effort using identical protocols and MRSA strains. <i>Microbial Drug Resistance</i> , 2000 , 6, 189-98	2.9	242
185	Inhibition of the expression of penicillin resistance in <i>Streptococcus pneumoniae</i> by inactivation of cell wall mucopeptide branching genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 4891-6	11.5	144
184	Genetic diversity and clonal patterns among antibiotic-susceptible and -resistant <i>Streptococcus pneumoniae</i> colonizing children: day care centers as autonomous epidemiological units. <i>Journal of Clinical Microbiology</i> , 2000 , 38, 4137-44	9.7	62
183	Molecular evolution in a multidrug-resistant lineage of <i>Streptococcus pneumoniae</i> : emergence of strains belonging to the serotype 6B Icelandic clone that lost antibiotic resistance traits. <i>Journal of Clinical Microbiology</i> , 2000 , 38, 1375-81	9.7	26
182	The development of vancomycin resistance in a patient with methicillin-resistant <i>Staphylococcus aureus</i> infection. <i>New England Journal of Medicine</i> , 1999 , 340, 517-23	59.2	509
181	Inactivated pbp4 in highly glycopeptide-resistant laboratory mutants of <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , 1999 , 274, 18942-6	5.4	98
180	Inactivation of the methicillin resistance gene mecA in vancomycin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Drug Resistance</i> , 1999 , 5, 253-7	2.9	37
179	Carriage of respiratory tract pathogens and molecular epidemiology of <i>Streptococcus pneumoniae</i> colonization in healthy children attending day care centers in Lisbon, Portugal. <i>Microbial Drug Resistance</i> , 1999 , 5, 19-29	2.9	80
178	Carriage and antibiotic resistance of respiratory pathogens and molecular epidemiology of antibiotic-resistant <i>Streptococcus pneumoniae</i> colonizing children in day-care centers in Lisbon: the Portuguese day-care center initiative. <i>Clinical Microbiology and Infection</i> , 1999 , 5 Suppl 4, S55-S63	9.5	9
177	The challenge of multiresistant <i>Streptococcus pneumoniae</i> : international initiatives in day-care centers and the use of molecular epidemiologic techniques. <i>Clinical Microbiology and Infection</i> , 1999 , 5 Suppl 4, S64-S68	9.5	3
176	Acquisition of new capsular genes among clinical isolates of antibiotic-resistant <i>Streptococcus pneumoniae</i> . <i>Microbial Drug Resistance</i> , 1999 , 5, 241-6	2.9	29
175	The <i>Staphylococcus aureus</i> transposon Tn551: complete nucleotide sequence and transcriptional analysis of the expression of the erythromycin resistance gene. <i>Microbial Drug Resistance</i> , 1999 , 5, 1-7	2.9	32
174	New faces of an old pathogen: emergence and spread of multidrug-resistant <i>Streptococcus pneumoniae</i> . <i>American Journal of Medicine</i> , 1999 , 107, 55S-62S	2.4	60
173	A high incidence of prophage carriage among natural isolates of <i>Streptococcus pneumoniae</i> . <i>Journal of Bacteriology</i> , 1999 , 181, 3618-25	3.5	59

172	Gradual alterations in cell wall structure and metabolism in vancomycin-resistant mutants of <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 1999 , 181, 7566-70	3.5	91
171	Heterogeneously vancomycin-resistant <i>Staphylococcus epidermidis</i> strain causing recurrent peritonitis in a dialysis patient during vancomycin therapy. <i>Journal of Clinical Microbiology</i> , 1999 , 37, 39-44	8.7	50
170	Prophage carriage as a molecular epidemiological marker in <i>Streptococcus pneumoniae</i> . <i>Journal of Clinical Microbiology</i> , 1999 , 37, 3308-15	9.7	14
169	Molecular characterization of penicillin-resistant <i>Streptococcus pneumoniae</i> isolates from Bulgaria. <i>Journal of Clinical Microbiology</i> , 1999 , 37, 638-48	9.7	27
168	Topic: Methicillin-resistant <i>Staphylococcus aureus</i> and penicillin-resistant pneumococci. <i>Journal of Urban Health</i> , 1998 , 75, 510-510	5.8	78
167	Accelerated evolution: emergence of multidrug resistant gram-positive bacterial pathogens in the 1990s. <i>Netherlands Journal of Medicine</i> , 1998 , 52, 219-27	0.5	9
166	Recurrent peritonitis in a patient on dialysis and prophylactic vancomycin. <i>Lancet, The</i> , 1998 , 351, 880-1	4.0	17
165	Penicillin-resistant <i>Streptococcus pneumoniae</i> in Colombia: presence of international epidemic clones. Colombian pneumococcal study group. <i>Microbial Drug Resistance</i> , 1998 , 4, 233-9	2.9	22
164	Predominance of the multiresistant 23F international clone of <i>Streptococcus pneumoniae</i> among isolates from Mexico. <i>Microbial Drug Resistance</i> , 1998 , 4, 241-6	2.9	20
163	Suppression of glycopeptide resistance in a highly teicoplanin-resistant mutant of <i>Staphylococcus aureus</i> by transposon inactivation of genes involved in cell wall synthesis. <i>Microbial Drug Resistance</i> , 1998 , 4, 159-68	2.9	37
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16	Radioautographic evidence for equatorial wall growth in a gram-positive bacterium. Segregation of choline-3H-labeled teichoic acid. <i>Journal of Cell Biology</i> , 1970 , 47, 786-90	7.3	65
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14	Cellular metabolism in genetic transformation of pneumococci: requirement for protein synthesis during induction of competence. <i>Journal of Bacteriology</i> , 1970 , 101, 860-71	3.5	106
13	Choline-containing Teichoic Acid As a Structural Component of Pneumococcal Cell Wall and Its Role in Sensitivity to Lysis by an Autolytic Enzyme. <i>Journal of Biological Chemistry</i> , 1970 , 245, 287-298	5.4	233
12	Cellular factors in genetic transformation. <i>Scientific American</i> , 1969 , 220, 38-44	0.5	5
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