

Ivo G Boneca

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.

136
papers

16,933
citations

51
h-index

130
g-index

154
ext. papers

20,134
ext. citations

10.5
avg, IF

6.03
L-index

#	Paper	IF	Citations
136	Bacterial sensing via neuronal Nod2 regulates appetite and body temperature.. <i>Science</i> , 2022 , 376, eabj3986	39.6	6
135	Anti-Leptospira immunoglobulin profiling in mice reveals strain specific IgG and persistent IgM responses associated with virulence and renal colonization. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0008970	4.8	5
134	Cellular stress promotes NOD1/2-dependent inflammation via the endogenous metabolite sphingosine-1-phosphate. <i>EMBO Journal</i> , 2021 , 40, e106272	13	10
133	LpxT-Dependent Phosphorylation of Lipid A in Increases Resistance to Deoxycholate and Enhances Gut Colonization. <i>Frontiers in Microbiology</i> , 2021 , 12, 676596	5.7	1
132	Multifaceted modes of action of the anticancer probiotic <i>Enterococcus hirae</i> . <i>Cell Death and Differentiation</i> , 2021 , 28, 2276-2295	12.7	9
131	Mode of action of lipoprotein modification enzymes-Novel antibacterial targets. <i>Molecular Microbiology</i> , 2021 , 115, 356-365	4.1	4
130	Ileal immune tonus is a prognosis marker of proximal colon cancer in mice and patients. <i>Cell Death and Differentiation</i> , 2021 , 28, 1532-1547	12.7	2
129	Uptake, recognition and responses to peptidoglycan in the mammalian host. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	8
128	Acute monoarthritis in young children: comparing the characteristics of patients with juvenile idiopathic arthritis versus septic and undifferentiated arthritis. <i>Scientific Reports</i> , 2021 , 11, 3422	4.9	3
127	NOD1 sensing of house dust mite-derived microbiota promotes allergic experimental asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 394-406	11.5	0
126	PGFinder, a novel analysis pipeline for the consistent, reproducible, and high-resolution structural analysis of bacterial peptidoglycans. <i>ELife</i> , 2021 , 10,	8.9	1
125	Effect of gut microbiota on depressive-like behaviors in mice is mediated by the endocannabinoid system. <i>Nature Communications</i> , 2020 , 11, 6363	17.4	62
124	Study of the Operon Coding a Two-Component System and a Putative L,D-Carboxypeptidase in. <i>Frontiers in Microbiology</i> , 2020 , 11, 156	5.7	
123	Spatiotemporal analysis of mycolactone distribution in vivo reveals partial diffusion in the central nervous system. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008878	4.8	3
122	Mycolactone toxin induces an inflammatory response by targeting the IL-1 β pathway: Mechanistic insight into Buruli ulcer pathophysiology. <i>PLoS Pathogens</i> , 2020 , 16, e1009107	7.6	13
121	Defective lytic transglycosylase disrupts cell morphogenesis by hindering cell wall de-acetylation in. <i>ELife</i> , 2020 , 9,	8.9	2
120	Chemotherapy-induced ileal crypt apoptosis and the ileal microbiome shape immunosurveillance and prognosis of proximal colon cancer. <i>Nature Medicine</i> , 2020 , 26, 919-931	50.5	55

119	A peptide of a type I toxin-antitoxin system induces morphological transformation from spiral shape to coccoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 31398-31409	11.5	8
118	Peptidoglycan analysis reveals that synergistic deacetylase activity in vegetative impacts the host response. <i>Journal of Biological Chemistry</i> , 2020 , 295, 16785-16796	5.4	5
117	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins. <i>PLoS Pathogens</i> , 2020 , 16, e1008639	7.6	12
116	Escape of TLR5 Recognition by spp.: A Rationale for Atypical Endoflagella. <i>Frontiers in Immunology</i> , 2020 , 11, 2007	8.4	10
115	Cross-reactivity between tumor MHC class I-restricted antigens and an enterococcal bacteriophage. <i>Science</i> , 2020 , 369, 936-942	33.3	74
114	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins 2020 , 16, e1008639		
113	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins 2020 , 16, e1008639		
112	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins 2020 , 16, e1008639		
111	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins 2020 , 16, e1008639		
110	HupA, the main undecaprenyl pyrophosphate and phosphatidylglycerol phosphate phosphatase in <i>Helicobacter pylori</i> is essential for colonization of the stomach. <i>PLoS Pathogens</i> , 2019 , 15, e1007972	7.6	6
109	A comprehensive assessment of demographic, environmental, and host genetic associations with gut microbiome diversity in healthy individuals. <i>Microbiome</i> , 2019 , 7, 130	16.6	52
108	Innate immune memory through TLR2 and NOD2 contributes to the control of <i>Leptospira interrogans</i> infection. <i>PLoS Pathogens</i> , 2019 , 15, e1007811	7.6	32
107	Natural variation in the parameters of innate immune cells is preferentially driven by genetic factors. <i>Nature Immunology</i> , 2018 , 19, 302-314	19.1	112
106	Distinctive roles of age, sex, and genetics in shaping transcriptional variation of human immune responses to microbial challenges. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E488-E497	11.5	107
105	A step-by-step guide to bond cleavage and 1,6-anhydro-sugar product synthesis by a peptidoglycan-degrading lytic transglycosylase. <i>Journal of Biological Chemistry</i> , 2018 , 293, 6000-6010	5.4	11
104	Human genetic variants and age are the strongest predictors of humoral immune responses to common pathogens and vaccines. <i>Genome Medicine</i> , 2018 , 10, 59	14.4	64
103	-Deacetylases required for muramic-lactam production are involved in sporulation, germination, and heat resistance. <i>Journal of Biological Chemistry</i> , 2018 , 293, 18040-18054	5.4	11
102	Enhancing the clinical coverage and anticancer efficacy of immune checkpoint blockade through manipulation of the gut microbiota. <i>OncImmunology</i> , 2017 , 6, e1132137	7.2	28

101	Regulation of bone mass by the gut microbiota is dependent on NOD1 and NOD2 signaling. <i>Cellular Immunology</i> , 2017 , 317, 55-58	4.4	37
100	Unusual Carbon Hydroxylation of Proline Promotes Active-Site Maturation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5330-5337	16.4	16
99	Molecular architecture of the PBP2-MreC core bacterial cell wall synthesis complex. <i>Nature Communications</i> , 2017 , 8, 776	17.4	36
98	Lactobacillus paracasei feeding improves immune control of influenza infection in mice. <i>PLoS ONE</i> , 2017 , 12, e0184976	3.7	51
97	LipL21 lipoprotein binding to peptidoglycan enables Leptospira interrogans to escape NOD1 and NOD2 recognition. <i>PLoS Pathogens</i> , 2017 , 13, e1006725	7.6	26
96	Nitrosative stress defences of the enterohepatic pathogenic bacterium Helicobacter pullorum. <i>Scientific Reports</i> , 2017 , 7, 9909	4.9	5
95	Bulgecin A: The Key to a Broad-Spectrum Inhibitor That Targets Lytic Transglycosylases. <i>Antibiotics</i> , 2017 , 6,	4.9	21
94	Fine-Tuning Cancer Immunotherapy: Optimizing the Gut Microbiome. <i>Cancer Research</i> , 2016 , 76, 4602-7	10.1	69
93	Standardized Whole-Blood Transcriptional Profiling Enables the Deconvolution of Complex Induced Immune Responses. <i>Cell Reports</i> , 2016 , 16, 2777-2791	10.6	43
92	Role of the N-Acetylmuramoyl-L-Alanyl Amidase, AmiA, of Helicobacter pylori in Peptidoglycan Metabolism, Daughter Cell Separation, and Virulence. <i>Microbial Drug Resistance</i> , 2016 , 22, 477-86	2.9	14
91	Resistance Mechanisms to Immune-Checkpoint Blockade in Cancer: Tumor-Intrinsic and -Extrinsic Factors. <i>Immunity</i> , 2016 , 44, 1255-69	32.3	554
90	Enterococcus hirae and Barnesiella intestinihominis Facilitate Cyclophosphamide-Induced Therapeutic Immunomodulatory Effects. <i>Immunity</i> , 2016 , 45, 931-943	32.3	376
89	MUCOSAL IMMUNOLOGY. The microbiota regulates type 2 immunity through ROR γ ⁺ T cells. <i>Science</i> , 2015 , 349, 989-93	33.3	494
88	Anticancer immunotherapy by CTLA-4 blockade relies on the gut microbiota. <i>Science</i> , 2015 , 350, 1079-84	33.3	1689
87	Gut microbiome and anticancer immune response: really hot Sh*t!. <i>Cell Death and Differentiation</i> , 2015 , 22, 199-214	12.7	84
86	The Milieu Intérieur study - an integrative approach for study of human immunological variance. <i>Clinical Immunology</i> , 2015 , 157, 277-93	9	35
85	Common Cell Shape Evolution of Two Nasopharyngeal Pathogens. <i>PLoS Genetics</i> , 2015 , 11, e1005338	6	21
84	Peptidoglycan and Nod Receptor 2015 , 737-747		5

83	Paenibacillus faecis sp. nov., isolated from human faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 4621-4626	2.2	15
82	N-glycosylated peptidoglycan contributes to the immunogenicity but not pathogenicity of Mycobacterium tuberculosis. <i>Journal of Infectious Diseases</i> , 2014 , 209, 1045-54	7	35
81	The immune receptor NOD1 and kinase RIP2 interact with bacterial peptidoglycan on early endosomes to promote autophagy and inflammatory signaling. <i>Cell Host and Microbe</i> , 2014 , 15, 623-35	23.4	158
80	N-acetylglucosamine deacetylases modulate the anchoring of the gamma-glutamyl capsule to the cell wall of Bacillus anthracis. <i>Microbial Drug Resistance</i> , 2014 , 20, 222-30	2.9	15
79	The biology of bacterial peptidoglycans and their impact on host immunity and physiology. <i>Cellular Microbiology</i> , 2014 , 16, 1014-23	3.9	41
78	Listeria monocytogenes is resistant to lysozyme through the regulation, not the acquisition, of cell wall-modifying enzymes. <i>Journal of Bacteriology</i> , 2014 , 196, 3756-67	3.5	48
77	The lacdiNac-specific adhesin LabA mediates adhesion of Helicobacter pylori to human gastric mucosa. <i>Journal of Infectious Diseases</i> , 2014 , 210, 1286-95	7	71
76	Harnessing the intestinal microbiome for optimal therapeutic immunomodulation. <i>Cancer Research</i> , 2014 , 74, 4217-21	10.1	32
75	Chemokines and antimicrobial peptides have a cag-dependent early response to Helicobacter pylori infection in primary human gastric epithelial cells. <i>Infection and Immunity</i> , 2014 , 82, 2881-9	3.7	22
74	Functional analysis via standardized whole-blood stimulation systems defines the boundaries of a healthy immune response to complex stimuli. <i>Immunity</i> , 2014 , 40, 436-50	32.3	118
73	Leptospira Interrogans induces fibrosis in the mouse kidney through Inos-dependent, TLR- and NLR-independent signaling pathways. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2664	4.8	48
72	Live imaging of bioluminescent leptospira interrogans in mice reveals renal colonization as a stealth escape from the blood defenses and antibiotics. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3359	4.8	54
71	CCL17 production by dendritic cells is required for NOD1-mediated exacerbation of allergic asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 899-908	10.2	19
70	FrxA is an S-nitrosoglutathione reductase enzyme that contributes to Helicobacter pylori pathogenicity. <i>FEBS Journal</i> , 2014 , 281, 4495-505	5.7	8
69	Why should we need the gut microbiota to respond to cancer therapies?. <i>Oncotmmunology</i> , 2014 , 3, e27574	7.4	14
68	Visualization of a substrate-induced productive conformation of the catalytic triad of the Neisseria meningitidis peptidoglycan O-acetyltransferase reveals mechanistic conservation in SGNH esterase family members. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 2631-9		11
67	Peptidoglycan and Nod Receptor		3
66	Listeria monocytogenes multidrug resistance transporters and cyclic di-AMP, which contribute to type I interferon induction, play a role in cell wall stress. <i>Journal of Bacteriology</i> , 2013 , 195, 5250-61	3.5	49

65	The intestinal microbiota modulates the anticancer immune effects of cyclophosphamide. <i>Science</i> , 2013 , 342, 971-6	33.3	1128
64	De-O-acetylation of peptidoglycan regulates glycan chain extension and affects in vivo survival of <i>Neisseria meningitidis</i> . <i>Molecular Microbiology</i> , 2013 , 87, 1100-12	4.1	25
63	Penicillin resistance compromises Nod1-dependent proinflammatory activity and virulence fitness of <i>neisseria meningitidis</i> . <i>Cell Host and Microbe</i> , 2013 , 13, 735-45	23.4	20
62	Distinct functions of polysaccharide deacetylases in cell shape, neutral polysaccharide synthesis and virulence of <i>Bacillus anthracis</i> . <i>Molecular Microbiology</i> , 2013 , 87, 867-83	4.1	33
61	Draft Genome Sequence of Strain X47-2AL, a Feline <i>Helicobacter pylori</i> Isolate. <i>Genome Announcements</i> , 2013 , 1,		6
60	Crosstalk between <i>Helicobacter pylori</i> and gastric epithelial cells is impaired by docosahexaenoic acid. <i>PLoS ONE</i> , 2013 , 8, e60657	3.7	19
59	Peptidoglycan maturation enzymes affect flagellar functionality in bacteria. <i>Molecular Microbiology</i> , 2013 , 88, 456-457	4.1	
58	The functional vanGCd cluster of <i>Clostridium difficile</i> does not confer vancomycin resistance. <i>Molecular Microbiology</i> , 2013 , 89, 612-25	4.1	30
57	Inheritance of the lysozyme inhibitor Ivy was an important evolutionary step by <i>Yersinia pestis</i> to avoid the host innate immune response. <i>Journal of Infectious Diseases</i> , 2013 , 207, 1535-43	7	20
56	Peptidoglycan maturation enzymes affect flagellar functionality in bacteria. <i>Molecular Microbiology</i> , 2012 , 86, 845-56	4.1	39
55	Almost all human gastric mucin O-glycans harbor blood group A, B or H antigens and are potential binding sites for <i>Helicobacter pylori</i> . <i>Glycobiology</i> , 2012 , 22, 1193-206	5.8	65
54	Peptidoglycan sensing by the receptor PGRP-LE in the <i>Drosophila</i> gut induces immune responses to infectious bacteria and tolerance to microbiota. <i>Cell Host and Microbe</i> , 2012 , 12, 153-65	23.4	136
53	Ly6C hi monocytes in the inflamed colon give rise to proinflammatory effector cells and migratory antigen-presenting cells. <i>Immunity</i> , 2012 , 37, 1076-90	32.3	481
52	The effect of bulgecin A on peptidoglycan metabolism and physiology of <i>Helicobacter pylori</i> . <i>Microbial Drug Resistance</i> , 2012 , 18, 230-9	2.9	17
51	<i>Helicobacter pylori</i> has an unprecedented nitric oxide detoxifying system. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 1190-200	8.4	18
50	Downregulation of the Na/K-ATPase pump by leptospiral glycolipoprotein activates the NLRP3 inflammasome. <i>Journal of Immunology</i> , 2012 , 188, 2805-14	5.3	57
49	Characterization of the elongasome core PBP2 : MreC complex of <i>Helicobacter pylori</i> . <i>Molecular Microbiology</i> , 2011 , 82, 68-86	4.1	29
48	Super-resolution microscopy reveals cell wall dynamics and peptidoglycan architecture in ovococcal bacteria. <i>Molecular Microbiology</i> , 2011 , 82, 1096-109	4.1	90

47	Anti-inflammatory capacity of selected lactobacilli in experimental colitis is driven by NOD2-mediated recognition of a specific peptidoglycan-derived muropeptide. <i>Gut</i> , 2011 , 60, 1050-9	19.2	228
46	Expression and functional importance of innate immune receptors by intestinal epithelial cells. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 3661-73	10.3	40
45	OatA, a peptidoglycan O-acetyltransferase involved in <i>Listeria monocytogenes</i> immune escape, is critical for virulence. <i>Journal of Infectious Diseases</i> , 2011 , 204, 731-40	7	75
44	Mycolactone diffuses into the peripheral blood of Buruli ulcer patients--implications for diagnosis and disease monitoring. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e1237	4.8	51
43	<i>Helicobacter pylori</i> versus the host: remodeling of the bacterial outer membrane is required for survival in the gastric mucosa. <i>PLoS Pathogens</i> , 2011 , 7, e1002454	7.6	130
42	A novel metal transporter mediating manganese export (MntX) regulates the Mn to Fe intracellular ratio and <i>Neisseria meningitidis</i> virulence. <i>PLoS Pathogens</i> , 2011 , 7, e1002261	7.6	59
41	Penicillin binding proteins as danger signals: meningococcal penicillin binding protein 2 activates dendritic cells through Toll-like receptor 4. <i>PLoS ONE</i> , 2011 , 6, e23995	3.7	10
40	A M23B family metallopeptidase of <i>Helicobacter pylori</i> required for cell shape, pole formation and virulence. <i>Molecular Microbiology</i> , 2010 , 78, 809-19	4.1	73
39	Nod1 and Nod2 direct autophagy by recruiting ATG16L1 to the plasma membrane at the site of bacterial entry. <i>Nature Immunology</i> , 2010 , 11, 55-62	19.1	968
38	The innate immune molecule, NOD1, regulates direct killing of <i>Helicobacter pylori</i> by antimicrobial peptides. <i>Cellular Microbiology</i> , 2010 , 12, 626-39	3.9	79
37	NOD receptor recognition of peptidoglycan 2010 , 637-653		
36	From array-based hybridization of <i>Helicobacter pylori</i> isolates to the complete genome sequence of an isolate associated with MALT lymphoma. <i>BMC Genomics</i> , 2010 , 11, 368	4.5	44
35	Bacteria and MAMP-induced morphogenesis of the immune system. <i>Current Opinion in Immunology</i> , 2010 , 22, 448-54	7.8	24
34	Mammalian PGRPs in the spotlight. <i>Cell Host and Microbe</i> , 2009 , 5, 109-11	23.4	13
33	A commensal <i>Helicobacter</i> sp. of the rodent intestinal flora activates TLR2 and NOD1 responses in epithelial cells. <i>PLoS ONE</i> , 2009 , 4, e5396	3.7	22
32	Lymphoid tissue genesis induced by commensals through NOD1 regulates intestinal homeostasis. <i>Nature</i> , 2008 , 456, 507-10	50.4	779
31	Development of inducible systems to engineer conditional mutants of essential genes of <i>Helicobacter pylori</i> . <i>Applied and Environmental Microbiology</i> , 2008 , 74, 2095-102	4.8	50
30	New insights into the Walk/WalR (YycG/YycF) essential signal transduction pathway reveal a major role in controlling cell wall metabolism and biofilm formation in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 8257-69	3.5	232

29	Peptidoglycan detection by mammals and flies. <i>Microbes and Infection</i> , 2007 , 9, 637-47	9.3	57
28	HobA--a novel protein involved in initiation of chromosomal replication in <i>Helicobacter pylori</i> . <i>Molecular Microbiology</i> , 2007 , 65, 979-94	4.1	41
27	Characterization of <i>Helicobacter pylori</i> lytic transglycosylases Slt and MltD. <i>Journal of Bacteriology</i> , 2007 , 189, 422-9	3.5	43
26	A critical role for peptidoglycan N-deacetylation in <i>Listeria</i> evasion from the host innate immune system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 997-1002	11.5	291
25	Role of AmiA in the morphological transition of <i>Helicobacter pylori</i> and in immune escape. <i>PLoS Pathogens</i> , 2006 , 2, e97	7.6	89
24	Downregulation of the <i>Drosophila</i> immune response by peptidoglycan-recognition proteins SC1 and SC2. <i>PLoS Pathogens</i> , 2006 , 2, e14	7.6	242
23	Nod1 participates in the innate immune response to <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2005 , 280, 36714-8	5.4	119
22	The role of peptidoglycan in pathogenesis. <i>Current Opinion in Microbiology</i> , 2005 , 8, 46-53	7.9	148
21	The frameshift mutation in Nod2 results in unresponsiveness not only to Nod2- but also Nod1-activating peptidoglycan agonists. <i>Journal of Biological Chemistry</i> , 2005 , 280, 35859-67	5.4	67
20	Peptidoglycan N-acetylglucosamine deacetylases from <i>Bacillus cereus</i> , highly conserved proteins in <i>Bacillus anthracis</i> . <i>Journal of Biological Chemistry</i> , 2005 , 280, 30856-63	5.4	65
19	Peptidoglycan molecular requirements allowing detection by the <i>Drosophila</i> immune deficiency pathway. <i>Journal of Immunology</i> , 2004 , 173, 7339-48	5.3	120
18	Function of the <i>drosophila</i> pattern-recognition receptor PGRP-SD in the detection of Gram-positive bacteria. <i>Nature Immunology</i> , 2004 , 5, 1175-80	19.1	199
17	Nod1 responds to peptidoglycan delivered by the <i>Helicobacter pylori</i> cag pathogenicity island. <i>Nature Immunology</i> , 2004 , 5, 1166-74	19.1	982
16	Toll-like receptor 2-dependent bacterial sensing does not occur via peptidoglycan recognition. <i>EMBO Reports</i> , 2004 , 5, 1000-6	6.5	390
15	Detailed structural analysis of the peptidoglycan of the human pathogen <i>Neisseria meningitidis</i> . <i>Journal of Biological Chemistry</i> , 2003 , 278, 31521-8	5.4	47
14	Nod1-dependent proinflammatory responses to <i>Helicobacter pylori</i> infection in gastric epithelial cells. <i>Gastroenterology</i> , 2003 , 124, A43	13.3	2
13	Nod1 detects a unique muropeptide from gram-negative bacterial peptidoglycan. <i>Science</i> , 2003 , 300, 1584-7	33.3	1229
12	Vancomycin resistance: occurrence, mechanisms and strategies to combat it. <i>Expert Opinion on Therapeutic Targets</i> , 2003 , 7, 311-28	6.4	64

11	A revised annotation and comparative analysis of <i>Helicobacter pylori</i> genomes. <i>Nucleic Acids Research</i> , 2003 , 31, 1704-14	20.1	63
10	Peptidoglycan molecular requirements allowing detection by Nod1 and Nod2. <i>Journal of Biological Chemistry</i> , 2003 , 278, 41702-8	5.4	498
9	Correlation between alterations of the penicillin-binding protein 2 and modifications of the peptidoglycan structure in <i>Neisseria meningitidis</i> with reduced susceptibility to penicillin G. <i>Journal of Biological Chemistry</i> , 2003 , 278, 31529-35	5.4	50
8	Nod2 is a general sensor of peptidoglycan through muramyl dipeptide (MDP) detection. <i>Journal of Biological Chemistry</i> , 2003 , 278, 8869-72	5.4	1730
7	Clivage sélectif de la liaison D-Ala-D-Lac : nouvelle stratégie pour combattre la résistance à la vancomycine. <i>Medecine/Sciences</i> , 2002 , 18, 9-12		
6	Prediction, assessment and validation of protein interaction maps in bacteria. <i>Journal of Molecular Biology</i> , 2002 , 323, 763-70	6.5	80
5	Selective cleavage of D-Ala-D-Lac by small molecules: re-sensitizing resistant bacteria to vancomycin. <i>Science</i> , 2001 , 293, 1484-7	33.3	47
4	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
3	Structural characterization of an abnormally cross-linked muropeptide dimer that is accumulated in the peptidoglycan of methicillin- and cefotaxime-resistant mutants of <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , 1997 , 272, 29053-9	5.4	23
2	Leptospiral LPS escapes mouse TLR4 internalization and TRIF-associated antimicrobial responses through O antigen and associated lipoproteins		3
1	D-alanylation of Teichoic Acids in Bacilli impedes the immune sensing of peptidoglycan in <i>Drosophila</i>		3