

Sophie Payot

List of Publications by Year in descending order

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41
papers

2,140
citations

257101

24
h-index

288905

40
g-index

42
all docs

42
docs citations

42
times ranked

2184
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugative and mobilizable genomic islands in bacteria: evolution and diversity. FEMS Microbiology Reviews, 2014, 38, 720-760.	3.9	294
2	Mechanisms of fluoroquinolone and macrolide resistance in Campylobacter spp.. Microbes and Infection, 2006, 8, 1967-1971.	1.0	176
3	Bile Salts Modulate Expression of the CmeABC Multidrug Efflux Pump in Campylobacter jejuni. Journal of Bacteriology, 2005, 187, 7417-7424.	1.0	167
4	Synergy between Efflux Pump CmeABC and Modifications in Ribosomal Proteins L4 and L22 in Conferring Macrolide Resistance in Campylobacter jejuni and Campylobacter coli. Antimicrobial Agents and Chemotherapy, 2006, 50, 3893-3896.	1.4	99
5	The Obscure World of Integrative and Mobilizable Elements, Highly Widespread Elements that Pirate Bacterial Conjugative Systems. Genes, 2017, 8, 337.	1.0	94
6	Relative contribution of target gene mutation and efflux to fluoroquinolone and erythromycin resistance, in French poultry and pig isolates of Campylobacter coli. International Journal of Antimicrobial Agents, 2004, 23, 468-472.	1.1	89
7	Carbon and Electron Flow in <i>Clostridium cellulolyticum</i> Grown in Chemostat Culture on Synthetic Medium. Journal of Bacteriology, 1999, 181, 3262-3269.	1.0	86
8	Fitness of antimicrobial-resistant Campylobacter and Salmonella. Microbes and Infection, 2006, 8, 1972-1978.	1.0	78
9	Diversity and Mobility of Integrative and Conjugative Elements in Bovine Isolates of <i>S. agalactiae</i> , <i>S. dysgalactiae</i> subsp. <i>dysgalactiae</i> , and <i>S. uberis</i> . Applied and Environmental Microbiology, 2010, 76, 7957-7965.	1.4	75
10	Integrative Conjugative Elements and Related Elements Are Major Contributors to the Genome Diversity of <i>Streptococcus agalactiae</i> . Journal of Bacteriology, 2008, 190, 6913-6917.	1.0	74
11	Selection and Characterization of Fluoroquinolone-Resistant Mutants of Campylobacter jejuni Using Enrofloxacin. Microbial Drug Resistance, 2002, 8, 335-343.	0.9	73
12	Involvement of the CmeABC efflux pump in the macrolide resistance of Campylobacter coli. Journal of Antimicrobial Chemotherapy, 2005, 56, 948-950.	1.3	70
13	New Insights into the Classification and Integration Specificity of Streptococcus Integrative Conjugative Elements through Extensive Genome Exploration. Frontiers in Microbiology, 2015, 6, 1483.	1.5	64
14	Metabolism of cellobiose by Clostridium cellulolyticum growing in continuous culture: evidence for decreased NADH reoxidation as a factor limiting growth. Microbiology (United Kingdom), 1998, 144, 375-384.	0.7	61
15	Prevalence and antimicrobial resistance of Campylobacter coli isolated from fattening pigs in France. Veterinary Microbiology, 2004, 101, 91-99.	0.8	57
16	Growth inhibition of Clostridium cellulolyticum by an inefficiently regulated carbon flow. Microbiology (United Kingdom), 1999, 145, 1831-1838.	0.7	43
17	Resistance Genes and Genetic Elements Associated with Antibiotic Resistance in Clinical and Commensal Isolates of Streptococcus salivarius. Applied and Environmental Microbiology, 2015, 81, 4155-4163.	1.4	38
18	The Extracellular Xylan Degradative System in <i>Clostridium cellulolyticum</i> Cultivated on Xylan: Evidence for Cell-Free Cellulosome Production. Journal of Bacteriology, 1999, 181, 4035-4040.	1.0	36

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19	Relationships between cellobiose catabolism, enzyme levels, and metabolic intermediates in <i>Clostridium cellulolyticum</i> grown in a synthetic medium. , 2000, 67, 327-335.		34
20	A Glimpse into the World of Integrative and Mobilizable Elements in <i>Streptococci</i> Reveals an Unexpected Diversity and Novel Families of Mobilization Proteins. <i>Frontiers in Microbiology</i> , 2017, 8, 443.	1.5	33
21	Regulation of the expression of the CmeABC efflux pump in <i>Campylobacter jejuni</i> : identification of a point mutation abolishing the binding of the CmeR repressor in an in vitro-selected multidrug-resistant mutant. <i>FEMS Microbiology Letters</i> , 2007, 267, 89-94.	0.7	30
22	The analysis of microbial proteomes: Strategies and data exploitation. <i>Electrophoresis</i> , 2000, 21, 1178-1186.	1.3	29
23	Characterization of a New CAMP Factor Carried by an Integrative and Conjugative Element in <i>Streptococcus agalactiae</i> and Spreading in <i>Streptococci</i> . <i>PLoS ONE</i> , 2012, 7, e48918.	1.1	28
24	Antigen I/II encoded by integrative and conjugative elements of <i>Streptococcus agalactiae</i> and role in biofilm formation. <i>Microbial Pathogenesis</i> , 2015, 88, 1-9.	1.3	28
25	Chromosomal Conjugative and Mobilizable Elements in <i>Streptococcus suis</i> : Major Actors in the Spreading of Antimicrobial Resistance and Bacteriocin Synthesis Genes. <i>Pathogens</i> , 2020, 9, 22.	1.2	28
26	Surface proteins involved in the adhesion of <i>Streptococcus salivarius</i> to human intestinal epithelial cells. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2851-2865.	1.7	26
27	High genetic variation in the multidrug transporter <i>cmeB</i> gene in <i>Campylobacter jejuni</i> and <i>Campylobacter coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 168-172.	1.3	23
28	Update on the Mechanisms of Antibiotic Resistance and the Mobile Resistome in the Emerging Zoonotic Pathogen <i>Streptococcus suis</i> . <i>Microorganisms</i> , 2021, 9, 1765.	1.6	23
29	Conjugative Transfer and cis-Mobilization of a Genomic Island by an Integrative and Conjugative Element of <i>Streptococcus agalactiae</i> . <i>Journal of Bacteriology</i> , 2013, 195, 1142-1151.	1.0	22
30	Characterization of <i>Carnobacterium maltaromaticum</i> LMA 28 for its positive technological role in soft cheese making. <i>Food Microbiology</i> , 2013, 36, 223-230.	2.1	22
31	Analysis of <i>Streptococcus agalactiae</i> pan-genome for prevalence, diversity and functionality of integrative and conjugative or mobilizable elements integrated in the <i>tRNA^{Lys} CTT</i> gene. <i>Molecular Genetics and Genomics</i> , 2015, 290, 1727-1740.	1.0	22
32	Diversity of Integrative and Conjugative Elements of <i>Streptococcus salivarius</i> and Their Intra- and Interspecies Transfer. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	22
33	High Genetic Diversity among Strains of the Unindustrialized Lactic Acid Bacterium <i>Carnobacterium maltaromaticum</i> in Dairy Products as Revealed by Multilocus Sequence Typing. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3920-3929.	1.4	19
34	Induction of lactate production associated with a decrease in NADH cell content enables growth resumption of <i>Clostridium cellulolyticum</i> in batch cultures on cellobiose. <i>Research in Microbiology</i> , 1999, 150, 465-473.	1.0	17
35	Impact of Cell Surface Molecules on Conjugative Transfer of the Integrative and Conjugative Element ICE <i>St3</i> of <i>Streptococcus thermophilus</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	17
36	Characterization of a relaxase belonging to the MOB _T family, a widespread family in Firmicutes mediating the transfer of ICEs. <i>Mobile DNA</i> , 2019, 10, 18.	1.3	17

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37	Abundance, Diversity and Role of ICEs and IMEs in the Adaptation of <i>Streptococcus salivarius</i> to the Environment. <i>Genes</i> , 2020, 11, 999.	1.0	10
38	Effect of dilution rate, cellobiose and ammonium availabilities on <i>Clostridium cellulolyticum</i> sporulation. <i>Applied Microbiology and Biotechnology</i> , 1999, 52, 670-674.	1.7	8
39	Mobilization of IMEs Integrated in the oriT of ICEs Involves Their Own Relaxase Belonging to the Rep-Trans Family of Proteins. <i>Genes</i> , 2020, 11, 1004.	1.0	3
40	Structural and Biochemical Analysis of OrfG: The VirB8-like Component of the Conjugative Type IV Secretion System of ICEst3 From <i>Streptococcus thermophilus</i> . <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 642606.	1.6	3
41	FirmiData: a set of 40 genomes of Firmicutes with a curated annotation of ICEs and IMEs. <i>BMC Research Notes</i> , 2022, 15, 157.	0.6	2