

SÃ©bastien P Faucher

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,180
citations

279487

23
h-index

233125

45
g-index

61
all docs

61
docs citations

61
times ranked

2897
citing authors

#	ARTICLE	IF	CITATIONS
1	The importance of the viable but non-culturable state in human bacterial pathogens. <i>Frontiers in Microbiology</i> , 2014, 5, 258.	1.5	681
2	Transcriptome of <i>Salmonella enterica</i> serovar Typhi within macrophages revealed through the selective capture of transcribed sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1906-1911.	3.3	149
3	<i>Legionella Pneumophila</i> Transcriptome during Intracellular Multiplication in Human Macrophages. <i>Frontiers in Microbiology</i> , 2011, 2, 60.	1.5	122
4	σ ^S Controls Multiple Pathways Associated with Intracellular Multiplication of <i>Legionella pneumophila</i> . <i>Journal of Bacteriology</i> , 2009, 191, 2461-2473.	1.0	102
5	<i>Legionella pneumophila</i> 6S RNA optimizes intracellular multiplication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7533-7538.	3.3	84
6	<i>Escherichia coli</i> O157:H7 Survives within Human Macrophages: Global Gene Expression Profile and Involvement of the Shiga Toxins. <i>Infection and Immunity</i> , 2008, 76, 4814-4822.	1.0	70
7	Genomic Characterization of a Large Outbreak of <i>Legionella pneumophila</i> Serogroup 1 Strains in Quebec City, 2012. <i>PLoS ONE</i> , 2014, 9, e103852.	1.1	58
8	Loss of RNase R Induces Competence Development in <i>Legionella pneumophila</i> . <i>Journal of Bacteriology</i> , 2008, 190, 8126-8136.	1.0	57
9	Sub-femtomole detection of 16s rRNA from <i>Legionella pneumophila</i> using surface plasmon resonance imaging. <i>Biosensors and Bioelectronics</i> , 2014, 52, 129-135.	5.3	49
10	Presence of <i>Legionella</i> spp. in cooling towers: the role of microbial diversity, <i>Pseudomonas</i> , and continuous chlorine application. <i>Water Research</i> , 2020, 169, 115252.	5.3	43
11	A Regulatory Feedback Loop between RpoS and SpoT Supports the Survival of <i>Legionella pneumophila</i> in Water. <i>Applied and Environmental Microbiology</i> , 2015, 81, 918-928.	1.4	42
12	A novel PhoP-regulated locus encoding the cytolysin ClyA and the secreted invasin TaiA of <i>Salmonella enterica</i> serovar Typhi is involved in virulence. <i>Microbiology (United Kingdom)</i> , 2009, 155, 477-488.	0.7	39
13	Short-Term and Long-Term Survival and Virulence of <i>Legionella pneumophila</i> in the Defined Freshwater Medium Fraquil. <i>PLoS ONE</i> , 2015, 10, e0139277.	1.1	38
14	Transcriptomic changes of <i>Legionella pneumophila</i> in water. <i>BMC Genomics</i> , 2015, 16, 637.	1.2	38
15	Selective Capture of <i>Salmonella enterica</i> Serovar Typhi Genes Expressed in Macrophages That Are Absent from the <i>Salmonella enterica</i> Serovar Typhimurium Genome. <i>Infection and Immunity</i> , 2005, 73, 5217-5221.	1.0	36
16	Contribution of the <i>stg</i> Fimbrial Operon of <i>Salmonella enterica</i> Serovar Typhi during Interaction with Human Cells. <i>Infection and Immunity</i> , 2007, 75, 5264-5271.	1.0	36
17	ArgR-Regulated Genes Are Derepressed in the <i>Legionella</i> -Containing Vacuole. <i>Journal of Bacteriology</i> , 2010, 192, 4504-4516.	1.0	34
18	The CpxRA two-component system contributes to virulence of <i>Legionella pneumophila</i> . <i>Molecular Microbiology</i> , 2016, 100, 1017-1038.	1.2	31

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19	The <i>prpZ</i> gene cluster encoding eukaryotic-type Ser/Thr protein kinases and phosphatases is repressed by oxidative stress and involved in <i>Salmonella enterica</i> serovar Typhi survival in human macrophages. <i>FEMS Microbiology Letters</i> , 2008, 281, 160-166.	0.7	28
20	<i>Legionella pneumophila</i> Transcriptional Response following Exposure to CuO Nanoparticles. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2713-2720.	1.4	28
21	Small Regulatory RNA and <i>Legionella pneumophila</i> . <i>Frontiers in Microbiology</i> , 2011, 2, 98.	1.5	27
22	Rapid and specific SPRi detection of <i>L. pneumophila</i> in complex environmental water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5541-5545.	1.9	26
23	THEMIS Is Required for Pathogenesis of Cerebral Malaria and Protection against Pulmonary Tuberculosis. <i>Infection and Immunity</i> , 2015, 83, 759-768.	1.0	26
24	Energy Conservation and the Promotion of <i>Legionella pneumophila</i> Growth: The Probable Role of Heat Exchangers in a Nosocomial Outbreak. <i>Infection Control and Hospital Epidemiology</i> , 2016, 37, 1475-1480.	1.0	24
25	The LetA/S two-component system regulates transcriptomic changes that are essential for the culturability of <i>Legionella pneumophila</i> in water. <i>Scientific Reports</i> , 2018, 8, 6764.	1.6	24
26	<i>Legionella pneumophila</i> levels and sequence-type distribution in hospital hot water samples from faucets to connecting pipes. <i>Water Research</i> , 2019, 156, 277-286.	5.3	21
27	Packaging of <i>Campylobacter jejuni</i> into Multilamellar Bodies by the Ciliate <i>Tetrahymena pyriformis</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 2783-2790.	1.4	20
28	Unravelling the importance of the eukaryotic and bacterial communities and their relationship with <i>Legionella</i> spp. ecology in cooling towers: a complex network. <i>Microbiome</i> , 2020, 8, 157.	4.9	19
29	Identification of two aptamers binding to <i>Legionella pneumophila</i> with high affinity and specificity. <i>Scientific Reports</i> , 2020, 10, 9145.	1.6	17
30	Survival in water of <i>Campylobacter jejuni</i> strains isolated from the slaughterhouse. <i>SpringerPlus</i> , 2015, 4, 799.	1.2	16
31	Impact of temperature on <i>Legionella pneumophila</i> , its protozoan host cells, and the microbial diversity of the biofilm community of a pilot cooling tower. <i>Science of the Total Environment</i> , 2020, 712, 136131.	3.9	15
32	Aptamers and Aptamer-Coupled Biosensors to Detect Water-Borne Pathogens. <i>Frontiers in Microbiology</i> , 2021, 12, 643797.	1.5	15
33	Analysis of the transcriptome of <i>Legionella pneumophila</i> <i>hfq</i> mutant reveals a new mobile genetic element. <i>Microbiology (United Kingdom)</i> , 2013, 159, 1649-1660.	0.7	12
34	Comparison of virulence properties of <i>Pseudomonas aeruginosa</i> exposed to water and grown in rich broth. <i>Canadian Journal of Microbiology</i> , 2014, 60, 777-781.	0.8	12
35	The Tail-Specific Protease Is Important for <i>Legionella pneumophila</i> To Survive Thermal Stress in Water and inside <i>Amoebae</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	12
36	Methods to Study <i>Legionella</i> Transcriptome In Vitro and In Vivo. <i>Methods in Molecular Biology</i> , 2013, 954, 567-582.	0.4	12

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37	Global cellular changes induced by <i>Legionella pneumophila</i> infection of bone marrow-derived macrophages. <i>Immunobiology</i> , 2011, 216, 1274-1285.	0.8	11
38	The Virulence Effect of CpxRA in <i>Citrobacter rodentium</i> Is Independent of the Auxiliary Proteins NlpE and CpxP. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 320.	1.8	11
39	The presence of the tet gene from cloning vectors impairs <i>Salmonella</i> survival in macrophages. <i>FEMS Microbiology Letters</i> , 2005, 242, 305-312.	0.7	10
40	A New Heterolobosean Amoeba <i>Solomitrus palustris</i> n. g., n. sp. Isolated from Freshwater Marsh Soil. <i>Journal of Eukaryotic Microbiology</i> , 2011, 58, 60-67.	0.8	10
41	The Membrane Protein LasM Promotes the Culturability of <i>Legionella pneumophila</i> in Water. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 113.	1.8	8
42	Local Adaptation of <i>Legionella pneumophila</i> within a Hospital Hot Water System Increases Tolerance to Copper. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	8
43	Compromised Effectiveness of Thermal Inactivation of <i>Legionella pneumophila</i> in Water Heater Sediments and Water, and Influence of the Presence of <i>Vermamoeba vermiformis</i> . <i>Microorganisms</i> , 2022, 10, 443.	1.6	8
44	Introducing an SPRi-based titration assay using aptamers for the detection of <i>Legionella pneumophila</i> . <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130933.	4.0	6
45	Editorial on: Bacterial pathogens in the non-clinical environment. <i>Frontiers in Microbiology</i> , 2015, 6, 331.	1.5	5
46	Role of the LuxR family transcriptional regulator Lpg2524 in the survival of <i>Legionella pneumophila</i> in water. <i>Canadian Journal of Microbiology</i> , 2017, 63, 535-545.	0.8	4
47	Quantification of Viable but Non-Culturable Cells of <i>Legionella pneumophila</i> . <i>Methods in Molecular Biology</i> , 2019, 1921, 45-53.	0.4	4
48	The small regulatory RNA Lpr10 regulates the expression of RpoS in <i>Legionella pneumophila</i> . <i>Molecular Microbiology</i> , 2021, 115, 789-806.	1.2	4
49	Facets of Small RNA-Mediated Regulation in <i>Legionella pneumophila</i> . <i>Current Topics in Microbiology and Immunology</i> , 2013, 376, 53-80.	0.7	3
50	Phenotypic and Transcriptomic Responses of <i>Campylobacter jejuni</i> Suspended in an Artificial Freshwater Medium. <i>Frontiers in Microbiology</i> , 2017, 8, 1781.	1.5	3
51	Deletion of <i>oxyR</i> in <i>Legionella pneumophila</i> causes growth defect on agar. <i>Canadian Journal of Microbiology</i> , 2018, 64, 1030-1041.	0.8	3
52	Toxoflavin secreted by <i>Pseudomonas alcaliphila</i> inhibits the growth of <i>Legionella pneumophila</i> and <i>Vermamoeba vermiformis</i> . <i>Water Research</i> , 2022, 216, 118328.	5.3	3
53	Transcriptomic Adaptation of <i>Legionella pneumophila</i> to Transient Heat Shock. <i>Frontiers in Water</i> , 2022, 4, .	1.0	3
54	Bacterial Antagonistic Species of the Pathogenic Genus <i>Legionella</i> Isolated from Cooling Tower. <i>Microorganisms</i> , 2022, 10, 392.	1.6	2