

SÃ©bastien Boutin

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

3,113
citations

236833

25
h-index

175177

52
g-index

87
all docs

87
docs citations

87
times ranked

4034
citing authors

#	ARTICLE	IF	CITATIONS
1	The diversity of reproductive parasites among arthropods: Wolbachia do not walk alone. BMC Biology, 2008, 6, 27.	1.7	596
2	Teleost microbiomes: the state of the art in their characterization, manipulation and importance in aquaculture and fisheries. Frontiers in Microbiology, 2014, 5, 207.	1.5	551
3	Network Analysis Highlights Complex Interactions between Pathogen, Host and Commensal Microbiota. PLoS ONE, 2013, 8, e84772.	1.1	205
4	Facultative Symbiont Infections Affect Aphid Reproduction. PLoS ONE, 2011, 6, e21831.	1.1	141
5	Comparison of Microbiomes from Different Niches of Upper and Lower Airways in Children and Adolescents with Cystic Fibrosis. PLoS ONE, 2015, 10, e0116029.	1.1	133
6	Inter Individual Variations of the Fish Skin Microbiota: Host Genetics Basis of Mutualism?. PLoS ONE, 2014, 9, e102649.	1.1	119
7	Neonicotinoid-Coated Zea mays Seeds Indirectly Affect Honeybee Performance and Pathogen Susceptibility in Field Trials. PLoS ONE, 2015, 10, e0125790.	1.1	76
8	Rapid Development of Cefiderocol Resistance in Carbapenem-resistant <i>Enterobacter cloacae</i> During Therapy Is Associated With Heterogeneous Mutations in the Catecholate Siderophore Receptor <i>cirA</i> . Clinical Infectious Diseases, 2022, 74, 905-908.	2.9	67
9	Effects of Lumacaftor and Ivacaftor on Lung Clearance Index, Magnetic Resonance Imaging, and Airway Microbiome in Phe508del Homozygous Patients with Cystic Fibrosis. Annals of the American Thoracic Society, 2021, 18, 971-980.	1.5	65
10	Antagonistic effect of indigenous skin bacteria of brook charr (<i>Salvelinus fontinalis</i>) against <i>Flavobacterium columnare</i> and <i>F. psychrophilum</i> . Veterinary Microbiology, 2012, 155, 355-361.	0.8	62
11	Probiotic treatment by indigenous bacteria decreases mortality without disturbing the natural microbiota of <i>Salvelinus fontinalis</i> . Canadian Journal of Microbiology, 2013, 59, 662-670.	0.8	53
12	Bacterial biofilm composition in healthy subjects with and without caries experience.. Journal of Oral Microbiology, 2019, 11, 1633194.	1.2	42
13	New Delhi Metallo-Beta-Lactamase Facilitates the Emergence of Cefiderocol Resistance in <i>Enterobacter cloacae</i> . Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0201121.	1.4	42
14	Gut microbiome patterns correlate with higher postoperative complication rates after pancreatic surgery. BMC Microbiology, 2019, 19, 42.	1.3	40
15	Differential gene expression between hygienic and non-hygienic honeybee (<i>Apis mellifera</i> L.) hives. BMC Genomics, 2015, 16, 500.	1.2	38
16	Bacterial Opportunistic Pathogens of Fish. Advances in Environmental Microbiology, 2016, , 81-108.	0.1	38
17	Clustering of Subgingival Microbiota Reveals Microbial Disease Ecotypes Associated with Clinical Stages of Periodontitis in a Cross-Sectional Study. Frontiers in Microbiology, 2017, 08, 340.	1.5	36
18	<i>Kocuria uropygioeca</i> sp. nov. and <i>Kocuria uropygialis</i> sp. nov., isolated from the preen glands of Great Spotted Woodpeckers (<i>Dendrocopos major</i>). Systematic and Applied Microbiology, 2018, 41, 38-43.	1.2	36

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19	Microbiome investigation in the ecological speciation context of lake whitefish (<i>Coregonus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1029-1046.	0.8	35
20	Import of community-associated, methicillin-resistant <i>Staphylococcus aureus</i> to Europe through skin and soft-tissue infection in intercontinental travellers, 2011â€“2016. <i>Clinical Microbiology and Infection</i> , 2019, 25, 739-746.	2.8	35
21	Chronic but not intermittent infection with <i>Pseudomonas aeruginosa</i> is associated with global changes of the lung microbiome in cystic fibrosis. <i>European Respiratory Journal</i> , 2017, 50, 1701086.	3.1	33
22	Comparison of Oropharyngeal Microbiota from Children with Asthma and Cystic Fibrosis. <i>Mediators of Inflammation</i> , 2017, 2017, 1-10.	1.4	32
23	The lung and gut microbiome: what has to be taken into consideration for cystic fibrosis?. <i>Journal of Cystic Fibrosis</i> , 2019, 18, 13-21.	0.3	32
24	Changes in the Cystic Fibrosis Airway Microbiome in Response to CFTR Modulator Therapy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 548613.	1.8	31
25	Parallel changes of taxonomic interaction networks in lacustrine bacterial communities induced by a polymetallic perturbation. <i>Evolutionary Applications</i> , 2013, 6, 643-659.	1.5	30
26	One time quantitative PCR detection of <i>Pseudomonas aeruginosa</i> to discriminate intermittent from chronic infection in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2018, 17, 348-355.	0.3	29
27	Acquisition and adaptation of the airway microbiota in the early life of cystic fibrosis patients. <i>Molecular and Cellular Pediatrics</i> , 2017, 4, 1.	1.0	28
28	Relationship between airway dysbiosis, inflammation and lung function in adults with cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2021, 20, 754-760.	0.3	25
29	Amplicon-based microbiome study highlights the loss of diversity and the establishment of a set of species in patients with dentin caries. <i>PLoS ONE</i> , 2019, 14, e0219714.	1.1	24
30	2â€“ <i>O</i> -methylation within prokaryotic and eukaryotic tRNA inhibits innate immune activation by endosomal Toll-like receptors but does not affect recognition of whole organisms. <i>Rna</i> , 2019, 25, 869-880.	1.6	22
31	Entry of Pantoneâ€“Valentine leukocidin-positive methicillin-resistant <i>Staphylococcus aureus</i> into the hospital: prevalence and population structure in Heidelberg, Germany 2015â€“2018. <i>Scientific Reports</i> , 2020, 10, 13243.	1.6	22
32	Surveillance for Colonization, Transmission, and Infection With Methicillin-Susceptible <i>Staphylococcus aureus</i> in a Neonatal Intensive Care Unit. <i>JAMA Network Open</i> , 2021, 4, e2124938.	2.8	22
33	Comparative genomic analysis reveals a high prevalence of inter-species in vivo transfer of carbapenem-resistance plasmids in patients with haematological malignancies. <i>Clinical Microbiology and Infection</i> , 2020, 26, 780.e1-780.e8.	2.8	21
34	Host factors facilitating SARSâ€“CoVâ€“2 virus infection and replication in the lungs. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5953-5976.	2.4	19
35	Pulmonary microbiome patterns correlate with the course of disease in patients with sepsis-induced ARDS following major abdominal surgery. <i>Journal of Hospital Infection</i> , 2020, 105, 438-446.	1.4	18
36	Integrative Analysis of Whole Genome Sequencing and Phenotypic Resistance Toward Prediction of Trimethoprim-Sulfamethoxazole Resistance in <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 607842.	1.5	18

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37	<i>Pseudomonas aeruginosa</i> Modulates the Antiviral Response of Bronchial Epithelial Cells. <i>Frontiers in Immunology</i> , 2020, 11, 96.	2.2	16
38	Alteration of antibiotic regimen as an additional control measure in suspected multi-drug-resistant <i>Enterobacter cloacae</i> outbreak in a neonatal intensive care unit. <i>Journal of Hospital Infection</i> , 2020, 104, 144-149.	1.4	13
39	Early Cytokine Induction Upon <i>Pseudomonas aeruginosa</i> Infection in Murine Precision Cut Lung Slices Depends on Sensing of Bacterial Viability. <i>Frontiers in Immunology</i> , 2020, 11, 598636.	2.2	13
40	Fast and automated detection of common carbapenemase genes using multiplex real-time PCR on the BD MAX [®] , [®] system. <i>Journal of Microbiological Methods</i> , 2021, 185, 106224.	0.7	13
41	Nuclear Localization of Suppressor of Cytokine Signaling-1 Regulates Local Immunity in the Lung. <i>Frontiers in Immunology</i> , 2016, 7, 514.	2.2	12
42	Low prevalence of combined linezolid- and vancomycin-resistant <i>Enterococcus faecium</i> from hospital admission screening in an endemic region in Germany. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 646-650.	0.9	12
43	A fast, highly sensitive double-nested PCR-based method to screen fish immunobiomes. <i>Molecular Ecology Resources</i> , 2012, 12, 1027-1039.	2.2	11
44	Nasal colonization with <i>Staphylococcus aureus</i> is a risk factor for ventricular assist device infection in the first year after implantation: A prospective, single-centre, cohort study. <i>Journal of Infection</i> , 2020, 80, 511-518.	1.7	11
45	Emergence of carbapenem-resistant ST131 <i>Escherichia coli</i> carrying blaOXA-244 in Germany, 2019 to 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	11
46	Commensal Bacteria in the Cystic Fibrosis Airway Microbiome Reduce <i>P. aeruginosa</i> Induced Inflammation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 824101.	1.8	11
47	<i>Kocuria tytonicola</i> , new bacteria from the preen glands of American barn owls (<i>Tyto furcata</i>). <i>Systematic and Applied Microbiology</i> , 2019, 42, 198-204.	1.2	10
48	Challenges in interpretation of WGS and epidemiological data to investigate nosocomial transmission of vancomycin-resistant <i>Enterococcus faecium</i> in an endemic region: incorporation of patient movement network and admission screening. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1716-1721.	1.3	10
49	Comparative evaluation of the effect of different growth media on in vitro sensitivity to azithromycin in multi-drug resistant <i>Pseudomonas aeruginosa</i> isolated from cystic fibrosis patients. <i>Antimicrobial Resistance and Infection Control</i> , 2020, 9, 197.	1.5	9
50	Genomic structure of ST8-t008 USA300 and USA300-LV MRSA in the Rhine-Neckar Region, Germany, 2012-2018. <i>International Journal of Antimicrobial Agents</i> , 2021, 57, 106312.	1.1	9
51	Dental Biofilm and Saliva Microbiome and Its Interplay with Pediatric Allergies. <i>Microorganisms</i> , 2021, 9, 1330.	1.6	9
52	Impact of discontinuing contact precautions and enforcement of basic hygiene measures on nosocomial vancomycin-resistant <i>Enterococcus faecium</i> transmission. <i>Journal of Hospital Infection</i> , 2022, 121, 120-127.	1.4	9
53	Pitfalls in genotypic antimicrobial susceptibility testing caused by low expression of blaKPC in <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 2795-2801.	1.3	8
54	Postoperative Complications Are Associated with Long-Term Changes in the Gut Microbiota Following Colorectal Cancer Surgery. <i>Life</i> , 2021, 11, 246.	1.1	8

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55	Low Threshold for Cutaneous Allergen Sensitization but No Spontaneous Dermatitis or Atopy in FLG-Deficient Mice. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2611-2619.e2.	0.3	8
56	Increased Inflammatory Markers Detected in Nasal Lavage Correlate with Paranasal Sinus Abnormalities at MRI in Adolescent Patients with Cystic Fibrosis. <i>Antioxidants</i> , 2021, 10, 1412.	2.2	8
57	Acquisition and Transmission of Carbapenemase-Producing (<i>bla</i> -KPC-2) <i>Enterobacter cloacae</i> in a Highly Frequented Outpatient Clinic. <i>Clinical Infectious Diseases</i> , 2021, 72, e158-e161.	2.9	8
58	Genomic Investigation and Successful Containment of an Intermittent Common Source Outbreak of OXA-48-Producing <i>Enterobacter cloacae</i> Related to Hospital Shower Drains. <i>Microbiology Spectrum</i> , 2021, 9, e0138021.	1.2	8
59	Molecular analysis of an increase in trimethoprim/sulfamethoxazole-resistant MRSA reveals multiple introductions into a tertiary care hospital, Germany 2012-19. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 77, 38-48.	1.3	7
60	Identification and Elimination of the Clinically Relevant Multi-Resistant Environmental Bacteria <i>Ralstonia insidiosa</i> in Primary Cell Culture. <i>Microorganisms</i> , 2020, 8, 1599.	1.6	6
61	Changes in Microbiome Dominance Are Associated With Declining Lung Function and Fluctuating Inflammation in People With Cystic Fibrosis. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	6
62	Molecular Detection of Carbapenemases in Enterobacterales: A Comparison of Real-Time Multiplex PCR and Whole-Genome Sequencing. <i>Antibiotics</i> , 2021, 10, 726.	1.5	5
63	Direct-PCR from rectal swabs and environmental reservoirs: A fast and efficient alternative to detect <i>bla</i> OXA-48 carbapenemase genes in an <i>Enterobacter cloacae</i> outbreak setting. <i>Environmental Research</i> , 2022, 203, 111808.	3.7	5
64	Sepsis and the Human Microbiome. Just Another Kind of Organ Failure? A Review. <i>Journal of Clinical Medicine</i> , 2021, 10, 4831.	1.0	5
65	A Volatile and Dynamic Longitudinal Microbiome Is Associated With Less Reduction in Lung Function in Adolescents With Cystic Fibrosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 763121.	1.8	5
66	FRIO698-Prevotella and alloprevotella species characterize the oral microbiome of early rheumatoid arthritis. , 2017, , .		4
67	Draft Genome Sequence of <i>Staphylococcus aureus</i> Strain HD1410, Isolated from a Persistent Nasal Carrier. <i>Genome Announcements</i> , 2018, 6, .	0.8	4
68	The Association of Gut Microbiota and Complications in Gastrointestinal-Cancer Therapies. <i>Biomedicines</i> , 2021, 9, 1305.	1.4	4
69	The Microbiome: A Reservoir to Discover New Antimicrobials Agents. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1291-1299.	1.0	4
70	Fungal Secondary Invaders of Fish. <i>Advances in Environmental Microbiology</i> , 2016, , 109-126.	0.1	3
71	Invasiveness of <i>Escherichia coli</i> Is Associated with an IncFII Plasmid. <i>Pathogens</i> , 2021, 10, 1645.	1.2	3
72	Phenotypic Detection of Hemin-Inducible Trimethoprim-Sulfamethoxazole Heteroresistance in <i>Staphylococcus aureus</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0151021.	1.2	2

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73	Maintaining oral health for a hundred years and more? - An analysis of microbial and salivary factors in a cohort of centenarians. <i>Journal of Oral Microbiology</i> , 2022, 14, 2059891.	1.2	2
74	Whole-genome sequencing disproves two suspected transmission events of blaNDM between <i>Pseudomonas aeruginosa</i> and Enterobacterales in hospitalized patients. <i>Journal of Hospital Infection</i> , 2020, 106, 372-375.	1.4	1
75	Comparative Genomic Reveals Clonal Heterogeneity in Persistent <i>Staphylococcus aureus</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 817841.	1.8	1
76	Can the Acid-formation Potential of Saliva Detect a Caries-related Shift in the Oral Microbiome?. <i>Oral Health & Preventive Dentistry</i> , 2022, 20, 51-60.	0.3	1
77	Techniques: culture, identification and 16S rRNA gene sequencing. , 2019, , 18-34.		0
78	Detection of <i>Arcobacter</i> Species in Human Stool Samples by Culture and Real-time PCR. <i>Juntendo Medical Journal</i> , 2020, 66, 431-438.	0.1	0
79	<i>Staphylococcus massiliensis</i> isolated from human blood cultures, Germany, 2017â€“2020. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2022, 41, 663-669.	1.3	0