SÃ©bastien Boutin

List of Publications by Year
in descending order

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79	3,113	236833	175177
papers	citations	25 h-index	52 g-index

87	87	87	4034
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid Development of Cefiderocol Resistance in Carbapenem-resistant Enterobacter cloacae During Therapy Is Associated With Heterogeneous Mutations in the Catecholate Siderophore Receptor cirA. Clinical Infectious Diseases, 2022, 74, 905-908.	2.9	67
2	Direct-PCR from rectal swabs and environmental reservoirs: A fast and efficient alternative to detect blaOXA-48 carbapenemase genes in an Enterobacter cloacae outbreak setting. Environmental Research, 2022, 203, 111808.	3.7	5
3	Impact of discontinuing contact precautions and enforcement of basic hygiene measures on nosocomial vancomycin-resistant Enterococcus faecium transmission. Journal of Hospital Infection, 2022, 121, 120-127.	1.4	9
4	Commensal Bacteria in the Cystic Fibrosis Airway Microbiome Reduce P. aeruginosa Induced Inflammation. Frontiers in Cellular and Infection Microbiology, 2022, 12, 824101.	1.8	11
5	Staphylococcus massiliensis isolated from human blood cultures, Germany, 2017â€“2020. European Journal of Clinical Microbiology and Infectious Diseases, 2022, 41, 663-669.	1.3	0
6	New Delhi Metallo-Beta-Lactamase Facilitates the Emergence of Cefiderocol Resistance in Enterobacter cloacae. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0201121.	1.4	42
7	Comparative Genomic Reveals Clonal Heterogeneity in Persistent Staphylococcus aureus Infection. Frontiers in Cellular and Infection Microbiology, 2022, 12, 817841.	1.8	1
8	Maintaining oral health for a hundred years and more? - An analysis of microbial and salivary factors in a cohort of centenarians. Journal of Oral Microbiology, 2022, 14, 2059891.	1.2	2
9	Can the Acid-formation Potential of Saliva Detect a Caries-related Shift in the Oral Microbiome?. Oral Health & Preventive Dentistry, 2022, 20, 51-60.	0.3	1
10	Changes in Microbiome Dominance Are Associated With Declining Lung Function and Fluctuating Inflammation in People With Cystic Fibrosis. Frontiers in Microbiology, 2022, 13, .	1.5	6
11	Pitfalls in genotypic antimicrobial susceptibility testing caused by low expression of blaKPC in Escherichia coli. Journal of Antimicrobial Chemotherapy, 2021, 76, 2795-2801.	1.3	8
12	Changes in the Cystic Fibrosis Airway Microbiome in Response to CFTR Modulator Therapy. Frontiers in Cellular and Infection Microbiology, 2021, 11, 548613.	1.8	31
13	Postoperative Complications Are Associated with Long-Term Changes in the Gut Microbiota Following Colorectal Cancer Surgery. Life, 2021, 11, 246.	1.1	8
14	Genomic structure of ST8-t008 USA300 and USA300-LV MRSA in the Rhine-Neckar Region, Germany, 2012â€“2018. International Journal of Antimicrobial Agents, 2021, 57, 106312.	1.1	9
15	Low Threshold for Cutaneous Allergen Sensitization but No Spontaneous Dermatitis or Atopy in FLG-Deficient Mice. Journal of Investigative Dermatology, 2021, 141, 2611-2619.e2.	0.3	8
16	Dental Biofilm and Saliva Microbiome and Its Interplay with Pediatric Allergies. Microorganisms, 2021, 9, 1330.	1.6	9
17	Effects of Lumacaftorâ€“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
18	Molecular Detection of Carbapenemases in Enterobacterales: A Comparison of Real-Time Multiplex PCR and Whole-Genome Sequencing. Antibiotics, 2021, 10, 726.	1.5	5

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19	Fast and automated detection of common carbapenemase genes using multiplex real-time PCR on the BD MAXâ„¢ system. Journal of Microbiological Methods, 2021, 185, 106224.	0.7	13
20	Host factors facilitating SARSâ€CoVâ€2 virus infection and replication in the lungs. Cellular and Molecular Life Sciences, 2021, 78, 5953-5976.	2.4	19
21	Increased Inflammatory Markers Detected in Nasal Lavage Correlate with Paranasal Sinus Abnormalities at MRI in Adolescent Patients with Cystic Fibrosis. Antioxidants, 2021, 10, 1412.	2.2	8
22	Molecular analysis of an increase in trimethoprim/sulfamethoxazole-resistant MRSA reveals multiple introductions into a tertiary care hospital, Germany 2012â€“19. Journal of Antimicrobial Chemotherapy, 2021, 77, 38-48.	1.3	7
23	Surveillance for Colonization, Transmission, and Infection With Methicillin-Susceptible Staphylococcus aureus in a Neonatal Intensive Care Unit. JAMA Network Open, 2021, 4, e2124938.	2.8	22
24	Relationship between airway dysbiosis, inflammation and lung function in adults with cystic fibrosis. Journal of Cystic Fibrosis, 2021, 20, 754-760.	0.3	25
25	The Association of Gut Microbiota and Complications in Gastrointestinal-Cancer Therapies. Biomedicines, 2021, 9, 1305.	1.4	4
26	Acquisition and Transmission of Carbapenemase-Producing (blaKPC-2) Enterobacter cloacae in a Highly Frequented Outpatient Clinic. Clinical Infectious Diseases, 2021, 72, e158-e161.	2.9	8
27	Phenotypic Detection of Hemin-Inducible Trimethoprim-Sulfamethoxazole Heteroresistance in Staphylococcus aureus. Microbiology Spectrum, 2021, 9, e0151021.	1.2	2
28	Sepsis and the Human Microbiome. Just Another Kind of Organ Failure? A Review. Journal of Clinical Medicine, 2021, 10, 4831.	1.0	5
29	Genomic Investigation and Successful Containment of an Intermittent Common Source Outbreak of OXA-48-Producing Enterobacter cloacae Related to Hospital Shower Drains. Microbiology Spectrum, 2021, 9, e0138021.	1.2	8
30	A Volatile and Dynamic Longitudinal Microbiome Is Associated With Less Reduction in Lung Function in Adolescents With Cystic Fibrosis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 763121.	1.8	5
31	Invasiveness of Escherichia coli Is Associated with an IncFII Plasmid. Pathogens, 2021, 10, 1645.	1.2	3
32	Comparative genomic analysis reveals a high prevalence of inter-species inÂvivo transfer of carbapenem-resistance plasmids in patients with haematological malignancies. Clinical Microbiology and Infection, 2020, 26, 780.e1-780.e8.	2.8	21
33	Alteration of antibiotic regimen as an additional control measure in suspected multi-drug-resistant Enterobacter cloacae outbreak in a neonatal intensive care unit. Journal of Hospital Infection, 2020, 104, 144-149.	1.4	13
34	Challenges in interpretation of WGS and epidemiological data to investigate nosocomial transmission of vancomycin-resistant Enterococcus faecium in an endemic region: incorporation of patient movement network and admission screening. Journal of Antimicrobial Chemotherapy, 2020, 75, 1716-1721.	1.3	10
35	Whole-genome sequencing disproves two suspected transmission events of blaNDM between Pseudomonas aeruginosa and Enterobacterales in hospitalized patients. Journal of Hospital Infection, 2020, 106, 372-375.	1.4	1
36	Early Cytokine Induction Upon Pseudomonas aeruginosa Infection in Murine Precision Cut Lung Slices Depends on Sensing of Bacterial Viability. Frontiers in Immunology, 2020, 11, 598636.	2.2	13

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37	Entry of Pantonâ€“Valentine leukocidin-positive methicillin-resistant Staphylococcus aureus into the hospital: prevalence and population structure in Heidelberg, Germany 2015â€“2018. Scientific Reports, 2020, 10, 13243.	1.6	22
38	Comparative evaluation of the effect of different growth media on in vitro sensitivity to azithromycin in multi-drug resistant Pseudomonas aeruginosa isolated from cystic fibrosis patients. Antimicrobial Resistance and Infection Control, 2020, 9, 197.	1.5	9
39	Identification and Elimination of the Clinically Relevant Multi-Resistant Environmental Bacteria Ralstonia insidiosa in Primary Cell Culture. Microorganisms, 2020, 8, 1599.	1.6	6
40	Pseudomonas aeruginosa Modulates the Antiviral Response of Bronchial Epithelial Cells. Frontiers in Immunology, 2020, 11, 96.	2.2	16
41	Nasal colonization with Staphylococcus aureus is a risk factor for ventricular assist device infection in the first year after implantation: A prospective, single-centre, cohort study. Journal of Infection, 2020, 80, 511-518.	1.7	11
42	Pulmonary microbiome patterns correlate with the course of disease in patients with sepsis-induced ARDS following major abdominal surgery. Journal of Hospital Infection, 2020, 105, 438-446.	1.4	18
43	Integrative Analysis of Whole Genome Sequencing and Phenotypic Resistance Toward Prediction of Trimethoprim-Sulfamethoxazole Resistance in Staphylococcus aureus. Frontiers in Microbiology, 2020, 11, 607842.	1.5	18
44	Low prevalence of combined linezolid- and vancomycin-resistant Enterococcus faecium from hospital admission screening in an endemic region in Germany. Journal of Global Antimicrobial Resistance, 2020, 22, 646-650.	0.9	12
45	The Microbiome: A Reservoir to Discover New Antimicrobials Agents. Current Topics in Medicinal Chemistry, 2020, 20, 1291-1299.	1.0	4
46	Emergence of carbapenem-resistant ST131 Escherichia coli carrying blaOXA-244 in Germany, 2019 to 2020. Eurosurveillance, 2020, 25, .	3.9	11
47	Detection of Arcobacter Species in Human Stool Samples by Culture and Real-time PCR. Juntendo Medical Journal, 2020, 66, 431-438.	0.1	0
48	Amplicon-based microbiome study highlights the loss of diversity and the establishment of a set of species in patients with dentin caries. PLoS ONE, 2019, 14, e0219714.	1.1	24
49	Bacterial biofilm composition in healthy subjects with and without caries experience.. Journal of Oral Microbiology, 2019, 11, 1633194.	1.2	42
50	2â€²-O-methylation within prokaryotic and eukaryotic tRNA inhibits innate immune activation by endosomal Toll-like receptors but does not affect recognition of whole organisms. Rna, 2019, 25, 869-880.	1.6	22
51	Gut microbiome patterns correlate with higher postoperative complication rates after pancreatic surgery. BMC Microbiology, 2019, 19, 42.	1.3	40
52	The lung and gut microbiome: what has to be taken into consideration for cystic fibrosis?. Journal of Cystic Fibrosis, 2019, 18, 13-21.	0.3	32
53	Import of community-associated, methicillin-resistant Staphylococcus aureus to Europe through skin and soft-tissue infection in intercontinental travellers, 2011â€“2016. Clinical Microbiology and Infection, 2019, 25, 739-746.	2.8	35
54	Kocuria tytonicola, new bacteria from the preen glands of American barn owls (Tyto furcata). Systematic and Applied Microbiology, 2019, 42, 198-204.	1.2	10

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55	Techniques: culture, identification and 16S rRNA gene sequencing. , 2019, , 18-34.		0
56	One time quantitative PCR detection of Pseudomonas aeruginosa to discriminate intermittent from chronic infection in cystic fibrosis. Journal of Cystic Fibrosis, 2018, 17, 348-355.	0.3	29
57	Kocuria uropygioeca sp. nov. and Kocuria uropygialis sp. nov., isolated from the preen glands of Great Spotted Woodpeckers (Dendrocopos major). Systematic and Applied Microbiology, 2018, 41, 38-43.	1.2	36
58	Draft Genome Sequence of Staphylococcus aureus Strain HD1410, Isolated from a Persistent Nasal Carrier. Genome Announcements, 2018, 6, .	0.8	4
59	Acquisition and adaptation of the airway microbiota in the early life of cystic fibrosis patients. Molecular and Cellular Pediatrics, 2017, 4, 1.	1.0	28
60	FRI0698â€…Prevotella and alloprevotella species characterize the oral microbiome of early rheumatoid arthritis. , 2017, , .		4
61	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
62	Comparison of Oropharyngeal Microbiota from Children with Asthma and Cystic Fibrosis. Mediators of Inflammation, 2017, 2017, 1-10.	1.4	32
63	Chronic but not intermittent infection withPseudomonas aeruginosais associated with global changes of the lung microbiome in cystic fibrosis. European Respiratory Journal, 2017, 50, 1701086.	3.1	33
64	Nuclear Localization of Suppressor of Cytokine Signaling-1 Regulates Local Immunity in the Lung. Frontiers in Immunology, 2016, 7, 514.	2.2	12
65	Fungal Secondary Invaders of Fish. Advances in Environmental Microbiology, 2016, , 109-126.	0.1	3
66	Bacterial Opportunistic Pathogens of Fish. Advances in Environmental Microbiology, 2016, , 81-108.	0.1	38
67	Neonicotinoid-Coated Zea mays Seeds Indirectly Affect Honeybee Performance and Pathogen Susceptibility in Field Trials. PLoS ONE, 2015, 10, e0125790.	1.1	76
68	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
69	Differential gene expression between hygienic and non-hygienic honeybee (Apis mellifera L.) hives. BMC Genomics, 2015, 16, 500.	1.2	38
70	Inter Individual Variations of the Fish Skin Microbiota: Host Genetics Basis of Mutualism?. PLoS ONE, 2014, 9, e102649.	1.1	119
71	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
72	Microbiome investigation in the ecological speciation context of lake whitefish (Coregonus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 1029-1046.	0.8	35

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73	Probiotic treatment by indigenous bacteria decreases mortality without disturbing the natural microbiota of Salvelinus fontinalis. Canadian Journal of Microbiology, 2013, 59, 662-670.	0.8	53
74	Parallel changes of taxonomic interaction networks in lacustrine bacterial communities induced by a polymetallic perturbation. Evolutionary Applications, 2013, 6, 643-659.	1.5	30
75	Network Analysis Highlights Complex Interactions between Pathogen, Host and Commensal Microbiota. PLoS ONE, 2013, 8, e84772.	1.1	205
76	A fast, highly sensitive doubleâ€nested PCRâ€based method to screen fish immunobiomes. Molecular Ecology Resources, 2012, 12, 1027-1039.	2.2	11
77	Antagonistic effect of indigenous skin bacteria of brook charr (Salvelinus fontinalis) against Flavobacterium columnare and F. psychrophilum. Veterinary Microbiology, 2012, 155, 355-361.	0.8	62
78	Facultative Symbiont Infections Affect Aphid Reproduction. PLoS ONE, 2011, 6, e21831.	1.1	141
79	The diversity of reproductive parasites among arthropods: Wolbachiado not walk alone. BMC Biology, 2008, 6, 27.	1.7	596