

Michel G Bergeron

List of Publications by Year in descending order

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84
papers

7,663
citations

94433

37
h-index

60623

81
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86
docs citations

86
times ranked

9146
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time monitoring of bead-based DNA hybridization in a microfluidic system: study of amplicon hybridization behavior on solid supports. <i>Analyst</i> , The, 2021, 146, 4226-4234.	3.5	4
2	A Sensitive and Accurate Recombinase Polymerase Amplification Assay for Detection of the Primary Bacterial Pathogens Causing Bovine Respiratory Disease. <i>Frontiers in Veterinary Science</i> , 2020, 7, 208.	2.2	16
3	Culture-enriched human gut microbiomes reveal core and accessory resistance genes. <i>Microbiome</i> , 2019, 7, 56.	11.1	23
4	Method for isolation of both lactose-fermenting and " non-fermenting <i>Escherichia albertii</i> strains from stool samples. <i>Journal of Microbiological Methods</i> , 2018, 154, 134-140.	1.6	11
5	Portable devices and mobile instruments for infectious diseases point-of-care testing. <i>Expert Review of Molecular Diagnostics</i> , 2017, 17, 471-494.	3.1	23
6	Rapid molecular identification of fecal origin-colonies growing on <i>Enterococcus</i> spp.-specific culture methods. <i>Journal of Water and Health</i> , 2017, 15, 239-250.	2.6	0
7	Bacterial Genotypic Drug Resistance Assays. , 2017, , 1465-1499.		1
8	The GenePOC Platform, a Rational Solution for Extreme Point-of-Care Testing. <i>Micromachines</i> , 2016, 7, 94.	2.9	22
9	The requirements and challenges of a mobile laboratory for onsite water microbiology assessment. <i>Water Practice and Technology</i> , 2016, 11, 198-209.	2.0	3
10	Recombinase Polymerase Amplification for Diagnostic Applications. <i>Clinical Chemistry</i> , 2016, 62, 947-958.	3.2	457
11	Use of phylogenetical analysis to predict susceptibility of pathogenic <i>Candida</i> spp. to antifungal drugs. <i>Journal of Microbiological Methods</i> , 2016, 131, 51-60.	1.6	1
12	Partial recovery of microbiomes after antibiotic treatment. <i>Gut Microbes</i> , 2016, 7, 428-434.	9.8	43
13	The initial state of the human gut microbiome determines its reshaping by antibiotics. <i>ISME Journal</i> , 2016, 10, 707-720.	9.8	251
14	POC Tests in Microbial Diagnostics. <i>Methods in Microbiology</i> , 2015, 42, 87-110.	0.8	7
15	Isothermal Recombinase Polymerase Amplification Assay Applied to the Detection of Group B Streptococci in Vaginal/Anal Samples. <i>Clinical Chemistry</i> , 2014, 60, 660-666.	3.2	37
16	Molecular Method for Detection of Total Coliforms in Drinking Water Samples. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4074-4084.	3.1	37
17	Genetic diversity and molecular evolution of the major human metapneumovirus surface glycoproteins over a decade. <i>Journal of Clinical Virology</i> , 2013, 58, 541-547.	3.1	41
18	Impact of DNA Sequence and Oligonucleotide Length on a Polythiophene-Based Fluorescent DNA Biosensor. <i>Macromolecular Bioscience</i> , 2013, 13, 717-722.	4.1	15

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19	Polythiophene Biosensor for Rapid Detection of Microbial Particles in Water. ACS Applied Materials & Interfaces, 2013, 5, 4544-4548.	8.0	26
20	Infectious Disease Management through Point-of-Care Personalized Medicine Molecular Diagnostic Technologies. Journal of Personalized Medicine, 2012, 2, 50-70.	2.5	50
21	Comparative analysis of classical and molecular microbiology methods for the detection of Escherichia coli and Enterococcus spp. in well water. Journal of Environmental Monitoring, 2012, 14, 2983.	2.1	8
22	Amplification Strategy Using Aggregates of Ferrocene-Containing Cationic Polythiophene for Sensitive and Specific Electrochemical Detection of DNA. Analytical Chemistry, 2011, 83, 8086-8092.	6.5	32
23	Method for rapid and sensitive detection of Enterococcus sp. and Enterococcus faecalis/faecium cells in potable water samples. Water Research, 2011, 45, 2342-2354.	11.3	33
24	Analytical limits of three β -glucosidase-based commercial culture methods used in environmental microbiology, to detect enterococci. Water Science and Technology, 2009, 60, 943-955.	2.5	20
25	Infection with Human Metapneumovirus Predisposes Mice to Severe Pneumococcal Pneumonia. Journal of Virology, 2009, 83, 1341-1349.	3.4	72
26	Analytical comparison of nine PCR primer sets designed to detect the presence of Escherichia coli/Shigella in water samples. Water Research, 2009, 43, 3019-3028.	11.3	104
27	New molecular technologies against infectious diseases during space flight. Acta Astronautica, 2008, 63, 769-775.	3.2	3
28	Vancomycin-Modified Nanoparticles for Efficient Targeting and Preconcentration of Gram-Positive and Gram-Negative Bacteria. ACS Nano, 2008, 2, 1777-1788.	14.6	282
29	Superparamagnetic Nanoparticle~Polystyrene Bead Conjugates as Pathogen Capture Mimics: A Parametric Study of Factors Affecting Capture Efficiency and Specificity. Langmuir, 2008, 24, 3493-3502.	3.5	22
30	Divergence among Genes Encoding the Elongation Factor Tu of <i>Yersinia</i> Species. Journal of Bacteriology, 2008, 190, 7548-7558.	2.2	22
31	Human Bocavirus Infections in Hospitalized Children and Adults. Emerging Infectious Diseases, 2008, 14, 217-221.	4.3	139
32	CSCI/RCPSC HENRY FRIESEN LECTURE: Revolutionizing the practice of medicine through rapid (< 1h) DNA-based diagnostics. Clinical and Investigative Medicine, 2008, 31, 265.	0.6	18
33	PULMONARY INFECTIONS IN THE IMMUNOCOMPROMISED HOST. , 2008, , 583-596.		0
34	Differential Contribution of Bacterial <i>N</i> -Formyl-Methionyl-Leucyl- Phenylalanine and Host-Derived CXC Chemokines to Neutrophil Infiltration into Pulmonary Alveoli during Murine Pneumococcal Pneumonia. Infection and Immunity, 2007, 75, 5361-5367.	2.2	27
35	Specific Magnetic Bead-Based Capture of Genomic DNA from Clinical Samples: Application to the Detection of Group B Streptococci in Vaginal/Anal Swabs. Clinical Chemistry, 2007, 53, 1570-1576.	3.2	33
36	A low-cost, disposable card for rapid polymerase chain reaction. Colloids and Surfaces B: Biointerfaces, 2007, 58, 52-60.	5.0	21

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37	Next revolution in the molecular theranostics of infectious diseases: microfabricated systems for personalized medicine. <i>Expert Review of Molecular Diagnostics</i> , 2006, 6, 433-450.	3.1	50
38	Distribution and Clinical Impact of Human Respiratory Syncytial Virus Genotypes in Hospitalized Children over 2 Winter Seasons. <i>Journal of Infectious Diseases</i> , 2006, 193, 54-58.	4.0	87
39	Infections by Human Coronavirus-NL in Hospitalized Children. <i>Pediatric Infectious Disease Journal</i> , 2005, 24, 1045-1048.	2.0	35
40	A proteomic analysis of penicillin resistance in <i>Streptococcus pneumoniae</i> reveals a novel role for PstS, a subunit of the phosphate ABC transporter. <i>Molecular Microbiology</i> , 2005, 58, 1430-1440.	2.5	43
41	Detection of target DNA using fluorescent cationic polymer and peptide nucleic acid probes on solid support. <i>BMC Biotechnology</i> , 2005, 5, 10.	3.3	59
42	Correlation between microarray DNA hybridization efficiency and the position of short capture probe on the target nucleic acid. <i>BioTechniques</i> , 2005, 39, 89-96.	1.8	41
43	Identification of Methicillin-Resistant <i>Staphylococcus aureus</i> Carriage in Less than 1 Hour during a Hospital Surveillance Program. <i>Clinical Infectious Diseases</i> , 2005, 40, 976-981.	5.8	128
44	Microfluidic Device for Rapid (<15 min) Automated Microarray Hybridization. <i>Clinical Chemistry</i> , 2005, 51, 1836-1844.	3.2	103
45	Ceftriaxone pharmacokinetics in interleukin-10-treated murine pneumococcal pneumonia. <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 55, 721-726.	3.0	29
46	Direct Molecular Detection of Nucleic Acids by Fluorescence Signal Amplification. <i>Journal of the American Chemical Society</i> , 2005, 127, 12673-12676.	13.7	255
47	Use of <i>tuf</i> Sequences for Genus-Specific PCR Detection and Phylogenetic Analysis of 28 Streptococcal Species. <i>Journal of Clinical Microbiology</i> , 2004, 42, 3686-3695.	3.9	102
48	Multiplex Real-Time PCR Assay for Detection of Influenza and Human Respiratory Syncytial Viruses. <i>Journal of Clinical Microbiology</i> , 2004, 42, 45-51.	3.9	136
49	Fluorescent Polymeric Transducer for the Rapid, Simple, and Specific Detection of Nucleic Acids at the Zeptomole Level. <i>Journal of the American Chemical Society</i> , 2004, 126, 4240-4244.	13.7	344
50	NEW DNA-BASED PCR APPROACHES FOR RAPID REAL-TIME DETECTION AND PREVENTION OF GROUP B STREPTOCOCCAL INFECTIONS IN NEWBORNS AND PREGNANT WOMEN. <i>Reproductive Medicine Review</i> , 2003, 11, 25-41.	0.3	5
51	Rapid Detection of <i>Clostridium difficile</i> in Feces by Real-Time PCR. <i>Journal of Clinical Microbiology</i> , 2003, 41, 730-734.	3.9	199
52	Real-Time PCR Assay for Detection of Fluoroquinolone Resistance Associated with <i>grlA</i> Mutations in <i>Staphylococcus aureus</i> . <i>Journal of Clinical Microbiology</i> , 2003, 41, 3246-3251.	3.9	20
53	Human Metapneumovirus Infections in Hospitalized Children. <i>Emerging Infectious Diseases</i> , 2003, 9, 634-640.	4.3	395
54	Pathogenesis of Pneumococcal Pneumonia in Cyclophosphamide-Induced Leukopenia in Mice. <i>Infection and Immunity</i> , 2002, 70, 4226-4238.	2.2	33

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55	Role of Galectin-3 as an Adhesion Molecule for Neutrophil Extravasation During Streptococcal Pneumonia. <i>Journal of Immunology</i> , 2002, 168, 1813-1822.	0.8	225
56	Rapid Detection of Shiga Toxin-Producing Bacteria in Feces by Multiplex PCR with Molecular Beacons on the Smart Cycler. <i>Journal of Clinical Microbiology</i> , 2002, 40, 1436-1440.	3.9	89
57	Toward rapid real-time molecular diagnostic to guide smart use of antimicrobials. <i>Current Opinion in Microbiology</i> , 2002, 5, 478-482.	5.1	32
58	Rapid molecular theranostics in infectious diseases. <i>Drug Discovery Today</i> , 2002, 7, 1092-1101.	6.4	120
59	Colorimetric and Fluorometric Detection of Nucleic Acids Using Cationic Polythiophene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1548-1551.	13.8	472
60	Rapid Detection of Group B Streptococci Using the LightCycler Instrument. , 2002, , 107-114.		1
61	Pulmonary and Systemic Host Response to <i>Streptococcus pneumoniae</i> and <i>Klebsiella pneumoniae</i> Bacteremia in Normal and Immunosuppressed Mice. <i>Infection and Immunity</i> , 2001, 69, 5294-5304.	2.2	38
62	Development of a PCR Assay for Identification of Staphylococci at Genus and Species Levels. <i>Journal of Clinical Microbiology</i> , 2001, 39, 2541-2547.	3.9	278
63	Role of Chemokines and Formyl Peptides in Pneumococcal Pneumonia-Induced Monocyte/Macrophage Recruitment. <i>Journal of Immunology</i> , 2001, 166, 7353-7361.	0.8	107
64	Kinetic Study of the Inflammatory Response in <i>Streptococcus pneumoniae</i> Experimental Pneumonia Treated with the Ketolide HMR 3004. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 252-262.	3.2	24
65	Development of Conventional and Real-Time PCR Assays for the Rapid Detection of Group B Streptococci. <i>Clinical Chemistry</i> , 2000, 46, 324-331.	3.2	181
66	Development of a Rapid PCR Assay Specific for <i>Staphylococcus saprophyticus</i> and Application to Direct Detection from Urine Samples. <i>Journal of Clinical Microbiology</i> , 2000, 38, 3280-3284.	3.9	41
67	In Vivo Activity and Pharmacokinetics of Ziracin (SCH27899), a New Long-Acting Everninomicin Antibiotic, in a Murine Model of Penicillin-Susceptible or Penicillin-Resistant Pneumococcal Pneumonia. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 1010-1018.	3.2	14
68	Multiplex PCR assays for the detection of clinically relevant antibiotic resistance genes in staphylococci isolated from patients infected after cardiac surgery. <i>Journal of Antimicrobial Chemotherapy</i> , 2000, 46, 527-534.	3.0	132
69	Evidence for Horizontal Gene Transfer in Evolution of Elongation Factor Tu in Enterococci. <i>Journal of Bacteriology</i> , 2000, 182, 6913-6920.	2.2	48
70	Correlation between the Resistance Genotype Determined by Multiplex PCR Assays and the Antibiotic Susceptibility Patterns of <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 231-238.	3.2	359
71	Rapid Detection of Group B Streptococci in Pregnant Women at Delivery. <i>New England Journal of Medicine</i> , 2000, 343, 175-179.	27.0	260
72	Genetic tools for the simultaneous identification of bacterial species and their antibiotic resistance genes: impact on clinical practice. <i>International Journal of Antimicrobial Agents</i> , 2000, 16, 1-3.	2.5	7

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73	Immunomodulation of Pneumococcal Pulmonary Infection with <i>N</i> -Monomethyl-L-Arginine. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 2283-2290.	3.2	20
74	Influence of Cefodizime on Pulmonary Inflammatory Response to Heat-Killed <i>Klebsiella pneumoniae</i> in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 2291-2294.	3.2	17
75	Development of a PCR Assay for Rapid Detection of Enterococci. <i>Journal of Clinical Microbiology</i> , 1999, 37, 3497-3503.	3.9	310
76	Title is missing!. <i>AIDS and Behavior</i> , 1999, 3, 167-175.	2.7	31
77	Evaluating Anxiety and Depression in HIV-Infected Patients. <i>Journal of Personality Assessment</i> , 1998, 71, 349-367.	2.1	147
78	Preventing Antibiotic Resistance Using Rapid DNA-Based Diagnostic Tests. <i>Infection Control and Hospital Epidemiology</i> , 1998, 19, 560-564.	1.8	16
79	Species-Specific and Ubiquitous-DNA-Based Assays for Rapid Identification of <i>Staphylococcus aureus</i> . <i>Journal of Clinical Microbiology</i> , 1998, 36, 618-623.	3.9	392
80	Immunomodulating Effects of HMR 3004 on Pulmonary Inflammation Caused by Heat-Killed <i>Streptococcus pneumoniae</i> in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 3309-3312.	3.2	28
81	Reduction by Cefodizime of the Pulmonary Inflammatory Response Induced by Heat-Killed <i>Streptococcus pneumoniae</i> in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 2527-2533.	3.2	18
82	Cytokine Kinetics and Other Host Factors in Response to Pneumococcal Pulmonary Infection in Mice. <i>Infection and Immunity</i> , 1998, 66, 912-922.	2.2	197
83	Preventing Antibiotic Resistance through Rapid Genotypic Identification of Bacteria and of Their Antibiotic Resistance Genes in the Clinical Microbiology Laboratory. <i>Journal of Clinical Microbiology</i> , 1998, 36, 2169-2172.	3.9	77
84	Development of a species-specific DNA probe for <i>Moraxella (Branhamella) catarrhalis</i> . <i>Molecular and Cellular Probes</i> , 1991, 5, 37-48.	2.1	11