

Ivan Brukner

List of Publications by Year in descending order

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36
papers

2,326
citations

516710

16
h-index

361022

35
g-index

36
all docs

36
docs citations

36
times ranked

2494
citing authors

#	ARTICLE	IF	CITATIONS
1	Host and Pathogen Factors for <i>Clostridium difficile</i> Infection and Colonization. <i>New England Journal of Medicine</i> , 2011, 365, 1693-1703.	27.0	723
2	Sequencing of megabase plus DNA by hybridization: Theory of the method. <i>Genomics</i> , 1989, 4, 114-128.	2.9	362
3	Sequence-dependent bending propensity of DNA as revealed by DNase I: parameters for trinucleotides.. <i>EMBO Journal</i> , 1995, 14, 1812-1818.	7.8	273
4	Hybrids of RNA and Arabinonucleic Acids (ANA and 2'-F-ANA) Are Substrates of Ribonuclease H. <i>Journal of the American Chemical Society</i> , 1998, 120, 12976-12977.	13.7	183
5	Physiological Concentration of Magnesium Ions Induces a Strong Macroscopic Curvature in GGGCC-containing DNA. <i>Journal of Molecular Biology</i> , 1994, 236, 26-32.	4.2	126
6	Sequence-dependent bending propensity of DNA as revealed by DNase I: parameters for trinucleotides. <i>EMBO Journal</i> , 1995, 14, 1812-8.	7.8	119
7	Evidence for opposite groove-directed curvature of GGGCC and AAAAA sequence elements. <i>Nucleic Acids Research</i> , 1993, 21, 1025-1029.	14.5	79
8	Trinucleotide Models for DNA Bending Propensity: Comparison of Models Based on DNase I Digestion and Nucleosome Packaging Data. <i>Journal of Biomolecular Structure and Dynamics</i> , 1995, 13, 309-317.	3.5	78
9	Sequence-dependent structural variations of DNA revealed by DNase I. <i>Nucleic Acids Research</i> , 1990, 18, 891-894.	14.5	55
10	Fourteen-Genome Comparison Identifies DNA Markers for Severe-Disease-Associated Strains of <i>Clostridium difficile</i> . <i>Journal of Clinical Microbiology</i> , 2011, 49, 2230-2238.	3.9	43
11	DNA Variants in Region for Noncoding Interfering Transcript of Dihydrofolate Reductase Gene and Outcome in Childhood Acute Lymphoblastic Leukemia. <i>Clinical Cancer Research</i> , 2009, 15, 6931-6938.	7.0	34
12	Characterization of the microDNA through the response to chemotherapeutics in lymphoblastoid cell lines. <i>PLoS ONE</i> , 2017, 12, e0184365.	2.5	33
13	Curved DNA without AA/TT dinucleotide step. <i>Nucleic Acids Research</i> , 1991, 19, 3549-3551.	14.5	22
14	Assay for estimating total bacterial load: relative qPCR normalisation of bacterial load with associated clinical implications. <i>Diagnostic Microbiology and Infectious Disease</i> , 2015, 83, 1-6.	1.8	22
15	<i>Bim</i> Polymorphisms: Influence on Function and Response to Treatment in Children with Acute Lymphoblastic Leukemia. <i>Clinical Cancer Research</i> , 2013, 19, 5240-5249.	7.0	21
16	Differential behavior of curved DNA upon untwisting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 403-406.	7.1	16
17	Cellular Proteins Prevent Antisense Phosphorothioate Oligonucleotide (SdT18) to Target Sense RNA (rA18): Development of a New in Vitro Assay. <i>Biochemistry</i> , 2000, 39, 11463-11466.	2.5	16
18	Mutational analysis of DNase I-DNA interactions: design, expression and characterization of a DNase I loop insertion mutant with altered sequence selectivity. <i>Protein Engineering, Design and Selection</i> , 1995, 8, 283-291.	2.1	15

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19	Self-priming arrest by modified random oligonucleotides facilitates the quality control of whole genome amplification. <i>Analytical Biochemistry</i> , 2005, 339, 345-347.	2.4	15
20	A Fundamental Change in Antibiotic Susceptibility Testing Would Better Prevent Therapeutic Failure: From Individual to Population-Based Analysis. <i>Frontiers in Microbiology</i> , 2020, 11, 1820.	3.5	15
21	Significantly Improved Performance of a Multitarget Assay Over a Commercial SCCmec-Based Assay for Methicillin-Resistant <i>Staphylococcus aureus</i> Screening. <i>Journal of Molecular Diagnostics</i> , 2013, 15, 577-580.	2.8	12
22	Rectal swab screening assays of public health importance in molecular diagnostics: Sample adequacy control. <i>Journal of Infection and Public Health</i> , 2018, 11, 234-237.	4.1	12
23	Maximizing confidence in a negative result: Quantitative sample adequacy control. <i>Journal of Infection and Public Health</i> , 2020, 13, 991-993.	4.1	11
24	An in vitro selection scheme for oligonucleotide probes to discriminate between closely related DNA sequences. <i>Nucleic Acids Research</i> , 2007, 35, e66-e66.	14.5	6
25	Generation of Amplifiable Genome-Specific Oligonucleotide Probes and Libraries. <i>BioTechniques</i> , 2002, 33, 874-882.	1.8	5
26	Phi29-based amplification of small genomes. <i>Analytical Biochemistry</i> , 2006, 354, 154-156.	2.4	5
27	Detection and Isolation of <i>Clostridium difficile</i> Asymptomatic Carriers During <i>Clostridium difficile</i> Infection Outbreaks: An Exploratory Study. <i>Clinical Infectious Diseases</i> , 2018, 67, 1781-1783.	5.8	5
28	Hybridization assay performed at ambient temperature for typing high-risk human papillomaviruses. <i>Journal of Clinical Virology</i> , 2007, 39, 113-118.	3.1	4
29	Newly isolated HPV97, related to HPV18 and 45 is frequently detected in HIV positive men from the montreal area. <i>International Journal of Cancer</i> , 2008, 122, 1195-1197.	5.1	4
30	Laboratory-developed test for detection of acute <i>Clostridium difficile</i> infections with the capacity for quantitative sample normalization. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 95, 113-118.	1.8	4
31	A protocol for the in vitro selection of specific oligonucleotide probes for high-resolution DNA typing. <i>Nature Protocols</i> , 2007, 2, 2807-2814.	12.0	3
32	Evidence for opposite groove-directed curvature of GGGCCC and AAAAA sequence elements. <i>Nucleic Acids Research</i> , 1993, 21, 1332-1332.	14.5	2
33	A Nine-Week-Old Girl with Fever and Seizures. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2015, 26, 247-248.	1.9	1
34	Sample Adequacy Control (SAC) Lowers False Negatives and Increases the Quality of Screening: Introduction of "Non-Competitive" SAC for qPCR Assays. <i>Diagnostics</i> , 2021, 11, 1133.	2.6	1
35	Importance of Adequate qPCR Controls in Infection Control. <i>Diagnostics</i> , 2021, 11, 2373.	2.6	1
36	Further insight into the markers of methotrexate resistance in childhood acute lymphoblastic leukemia patients. <i>Personalized Medicine</i> , 2008, 5, 325-329.	1.5	0