

Dang D Bang

List of Publications by Year in descending order

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50
papers

2,697
citations

201674

27
h-index

189892

50
g-index

50
all docs

50
docs citations

50
times ranked

4082
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecularly imprinted polymers for sample preparation and biosensing in food analysis: Progress and perspectives. <i>Biosensors and Bioelectronics</i> , 2017, 91, 606-615.	10.1	271
2	2019 Novel Coronavirus Disease (COVID-19): Paving the Road for Rapid Detection and Point-of-Care Diagnostics. <i>Micromachines</i> , 2020, 11, 306.	2.9	243
3	Flies and <i>Campylobacter</i> Infection of Broiler Flocks. <i>Emerging Infectious Diseases</i> , 2004, 10, 1490-1492.	4.3	152
4	MicroRNA amplification and detection technologies: opportunities and challenges for point of care diagnostics. <i>Laboratory Investigation</i> , 2019, 99, 452-469.	3.7	146
5	Microfluidic devices for sample preparation and rapid detection of foodborne pathogens. <i>Biotechnology Advances</i> , 2018, 36, 1003-1024.	11.7	136
6	A lab-on-a-chip system with integrated sample preparation and loop-mediated isothermal amplification for rapid and quantitative detection of <i>Salmonella</i> spp. in food samples. <i>Lab on A Chip</i> , 2015, 15, 1898-1904.	6.0	132
7	Molecular cloning of RAD16, a gene involved in differential repair in <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 1992, 20, 3925-3931.	14.5	112
8	Rapid detection of <i>Salmonella enterica</i> in food samples by a novel approach with combination of sample concentration and direct PCR. <i>Biosensors and Bioelectronics</i> , 2019, 129, 224-230.	10.1	101
9	Evaluation of the suitability of six host genes as internal control in real-time RT-PCR assays in chicken embryo cell cultures infected with infectious bursal disease virus. <i>Veterinary Microbiology</i> , 2005, 110, 155-165.	1.9	92
10	Development of a sensitive DNA microarray suitable for rapid detection of <i>Campylobacter</i> spp.. <i>Molecular and Cellular Probes</i> , 2003, 17, 187-196.	2.1	84
11	Energy Taxis Drives <i>Campylobacter jejuni</i> toward the Most Favorable Conditions for Growth. <i>Applied and Environmental Microbiology</i> , 2009, 75, 5308-5314.	3.1	84
12	Use of Culture, PCR Analysis, and DNA Microarrays for Detection of <i>Campylobacter jejuni</i> and <i>Campylobacter coli</i> from Chicken Feces. <i>Journal of Clinical Microbiology</i> , 2004, 42, 3985-3991.	3.9	72
13	Prevalence of cytolethal distending toxin (cdt) genes and CDT production in <i>Campylobacter</i> spp. isolated from Danish broilers. <i>Journal of Medical Microbiology</i> , 2001, 50, 1087-1094.	1.8	71
14	Point-of-care devices for pathogen detections: The three most important factors to realise towards commercialization. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 116004.	11.4	69
15	A lab-on-a-chip device for rapid identification of avian influenza viral RNA by solid-phase PCR. <i>Lab on A Chip</i> , 2011, 11, 1457.	6.0	63
16	From Lab on a Chip to Point of Care Devices: The Role of Open Source Microcontrollers. <i>Micromachines</i> , 2018, 9, 403.	2.9	61
17	<i>Campylobacter jejuni</i> Strains of Human and Chicken Origin Are Invasive in Chickens After Oral Challenge. <i>Avian Diseases</i> , 2006, 50, 10-14.	1.0	54
18	Dual Enlargement of Gold Nanoparticles: From Mechanism to Scanometric Detection of Pathogenic Bacteria. <i>Small</i> , 2011, 7, 1701-1708.	10.0	53

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19	The SmartBioPhone [®] , a point of care vision under development through two European projects: OPTOLABCARD and LABONFOIL. <i>Lab on A Chip</i> , 2009, 9, 1495.	6.0	51
20	A novel lab-on-chip platform with integrated solid phase PCR and Supercritical Angle Fluorescence (SAF) microlens array for highly sensitive and multiplexed pathogen detection. <i>Biosensors and Bioelectronics</i> , 2017, 90, 217-223.	10.1	40
21	Survival of <i>Campylobacter jejuni</i> in co-culture with <i>Acanthamoeba castellanii</i> : role of amoeba-mediated depletion of dissolved oxygen. <i>Environmental Microbiology</i> , 2012, 14, 2034-2047.	3.8	37
22	Direct immobilization of DNA probes on non-modified plastics by UV irradiation and integration in microfluidic devices for rapid bioassay. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 741-748.	3.7	36
23	Direct PCR – A rapid method for multiplexed detection of different serotypes of Salmonella in enriched pork meat samples. <i>Molecular and Cellular Probes</i> , 2017, 32, 24-32.	2.1	34
24	An inexpensive and simple method for thermally stable immobilization of DNA on an unmodified glass surface: UV linking of poly(T)10-poly(C)10-tagged DNA probes. <i>BioTechniques</i> , 2008, 45, 261-271.	1.8	32
25	Detection of avian influenza virus by fluorescent DNA barcode-based immunoassay with sensitivity comparable to PCR. <i>Analyst</i> , 2010, 135, 337-342.	3.5	31
26	Rapid detection of avian influenza virus in chicken fecal samples by immunomagnetic capture reverse transcriptase-polymerase chain reaction assay. <i>Diagnostic Microbiology and Infectious Disease</i> , 2011, 69, 258-265.	1.8	30
27	Dielectrophoresis microsystem with integrated flow cytometers for on-line monitoring of sorting efficiency. <i>Electrophoresis</i> , 2006, 27, 5081-5092.	2.4	29
28	Detection of Seven Virulence and Toxin Genes of <i>Campylobacter jejuni</i> Isolates from Danish Turkeys by PCR and Cytolethal Distending Toxin Production of the Isolates. <i>Journal of Food Protection</i> , 2004, 67, 2171-2177.	1.7	26
29	Pre-storage of gelified reagents in a lab-on-a-foil system for rapid nucleic acid analysis. <i>Lab on A Chip</i> , 2013, 13, 1509.	6.0	25
30	Optimising the supercritical angle fluorescence structures in polymer microfluidic biochips for highly sensitive pathogen detection: a case study on <i>Escherichia coli</i> . <i>Lab on A Chip</i> , 2019, 19, 3825-3833.	6.0	24
31	Numerical analysis of DNA microarray data of <i>Campylobacter jejuni</i> strains correlated with survival, cytolethal distending toxin and haemolysin analyses. <i>International Journal of Medical Microbiology</i> , 2006, 296, 353-363.	3.6	22
32	Towards a portable microchip system with integrated thermal control and polymer waveguides for real-time PCR. <i>Electrophoresis</i> , 2006, 27, 5051-5058.	2.4	22
33	<i>Campylobacter jejuni</i> induces an anti-inflammatory response in human intestinal epithelial cells through activation of phosphatidylinositol 3-kinase/Akt pathway. <i>Veterinary Microbiology</i> , 2011, 148, 75-83.	1.9	22
34	Miniaturization of a micro-optics array for highly sensitive and parallel detection on an injection moulded lab-on-a-chip. <i>Lab on A Chip</i> , 2015, 15, 2445-2451.	6.0	22
35	Multiplex polymerase chain reaction (PCR) on a SU-8 chip. <i>Microelectronic Engineering</i> , 2008, 85, 1278-1281.	2.4	20
36	Solid-phase PCR for rapid multiplex detection of <i>Salmonella</i> spp. at the subspecies level, with amplification efficiency comparable to conventional PCR. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2715-2726.	3.7	20

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37	A Complete Protocol for Rapid and Low-Cost Fabrication of Polymer Microfluidic Chips Containing Three-Dimensional Microstructures Used in Point-of-Care Devices. <i>Micromachines</i> , 2019, 10, 624.	2.9	18
38	Pathogen Concentration Combined Solid-Phase PCR on Supercritical Angle Fluorescence Microlens Array for Multiplexed Detection of Invasive Nontyphoidal <i>Salmonella</i> Serovars. <i>Analytical Chemistry</i> , 2020, 92, 2706-2713.	6.5	17
39	DNA microarray-based solid-phase RT-PCR for rapid detection and identification of influenza virus type A and subtypes H5 and H7. <i>Diagnostic Microbiology and Infectious Disease</i> , 2011, 69, 432-439.	1.8	16
40	Fate and Survival of <i>Campylobacter coli</i> in Swine Manure at Various Temperatures. <i>Frontiers in Microbiology</i> , 2011, 2, 262.	3.5	16
41	Reverse transcriptase real-time PCR for detection and quantification of viable <i>Campylobacter jejuni</i> directly from poultry faecal samples. <i>Research in Microbiology</i> , 2012, 163, 64-72.	2.1	16
42	DEVELOPMENT OF A PCR ASSAY SUITABLE FOR CAMPYLOBACTER SPP. MASS SCREENING PROGRAMS IN BROILER PRODUCTION. <i>Journal of Rapid Methods and Automation in Microbiology</i> , 2001, 9, 97-113.	0.4	13
43	Isolation and detection of <i>Campylobacter jejuni</i> from chicken fecal samples by immunomagnetic separation-PCR. <i>Food Control</i> , 2012, 24, 23-28.	5.5	13
44	DETECTION OF A PUTATIVE VIRULENCE <i>cadF</i> GENE OF <i>CAMPYLOBACTER JEJUNI</i> OBTAINED FROM DIFFERENT SOURCES USING A MICROFABRICATED PCR CHIP. <i>Journal of Rapid Methods and Automation in Microbiology</i> , 2005, 13, 111-126.	0.4	12
45	The Use of a DNA-Intercalating Dye for Quantitative Detection of Viable <i>Arcobacter</i> spp. Cells (v-qPCR) in Shellfish. <i>Frontiers in Microbiology</i> , 2019, 10, 368.	3.5	12
46	Cytolethal Distending Toxins of <i>Campylobacter jejuni</i> : Genetics, Structure, Mode of Action, Epidemiology, and the Role of CDT in <i>Campylobacter</i> Pathogenesis. <i>Journal of Genome Science and Technology</i> , 2003, 2, 73-82.	0.5	12
47	Cloning of <i>Schizosaccharomyces pombe</i> <i>rph16+</i> , a gene homologous to the <i>Saccharomyces cerevisiae</i> <i>RAD16</i> gene. <i>Mutation Research DNA Repair</i> , 1996, 364, 57-71.	3.7	11
48	Sample preparation by cell guiding using negative dielectrophoresis. <i>Microelectronic Engineering</i> , 2007, 84, 1690-1693.	2.4	8
49	Gold Nanoparticles-Coated SU-8 for Sensitive Fluorescence-Based Detections of DNA. <i>Diagnostics</i> , 2012, 2, 72-82.	2.6	8
50	Rapid sample preparation for detection and identification of avian influenza virus from chicken faecal samples using magnetic bead microsystem. <i>Journal of Virological Methods</i> , 2010, 169, 228-231.	2.1	6