

Vinayaka Aaydha Chidambara

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27

papers

876

citations

13

h-index

28

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28

ext. papers

1,014

ext. citations

6.7

avg, IF

4.36

L-index

#	Paper	IF	Citations
27	Molecularly imprinted polymers for sample preparation and biosensing in food analysis: Progress and perspectives. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 606-615	11.8	201
26	Bioconjugation of CdTe quantum dot for the detection of 2,4-dichlorophenoxyacetic acid by competitive fluoroimmunoassay based biosensor. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1615-20	11.8	109
25	Gold nanoparticles based dipstick immunoassay for the rapid detection of dichlorodiphenyltrichloroethane: an organochlorine pesticide. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 224-7	11.8	101
24	Microfluidic devices for sample preparation and rapid detection of foodborne pathogens. <i>Biotechnology Advances</i> , 2018 , 36, 1003-1024	17.8	95
23	Rapid detection of Salmonella enterica in food samples by a novel approach with combination of sample concentration and direct PCR. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 224-230	11.8	60
22	Focus on quantum dots as potential fluorescent probes for monitoring food toxicants and foodborne pathogens. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 1445-55	4.4	51
21	Photoabsorption and resonance energy transfer phenomenon in CdTe-protein bioconjugates: an insight into QD-biomolecular interactions. <i>Bioconjugate Chemistry</i> , 2011 , 22, 968-75	6.3	38
20	Thiol-stabilized luminescent CdTe quantum dot as biological fluorescent probe for sensitive detection of methyl parathion by a fluoroimmunochromatographic technique. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 1467-75	4.4	38
19	Chemiluminescence based technique for the detection of methyl parathion in water and fruit beverages. <i>Analytical Methods</i> , 2010 , 2, 924	3.2	30
18	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	14.6	25
17	Facile synthesis and photophysical characterization of luminescent CdTe quantum dots for Forster resonance energy transfer based immunosensing of staphylococcal enterotoxin B. <i>Luminescence</i> , 2013 , 28, 827-35	2.5	17
16	An immunoreactor-based competitive fluoroimmunoassay for monitoring staphylococcal enterotoxin B using bioconjugated quantum dots. <i>Analyst, The</i> , 2012 , 137, 4343-8	5	15
15	Quantum dots as nano plug-ins for efficient NADH resonance energy routing. <i>Biosensors and Bioelectronics</i> , 2012 , 38, 411-5	11.8	14
14	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,	3.3	11
13	Magnetic beads modified with Pt/Pd nanoparticle and aptamer as a catalytic nano-bioprobe in combination with loop mediated isothermal amplification for the on-site detection of Salmonella Typhimurium in food and fecal samples. <i>Food Control</i> , 2021 , 121, 107664	6.2	10
12	A Sensitive, Specific and Simple Loop Mediated Isothermal Amplification Method for Rapid Detection of spp. in Broiler Production. <i>Frontiers in Microbiology</i> , 2019 , 10, 2443	5.7	9
11	Development of dipstick-based immuno-chemiluminescence techniques for the rapid detection of dichlorodiphenyltrichloroethane. <i>Luminescence</i> , 2012 , 27, 524-9	2.5	9

10	Pathogen Concentration Combined Solid-Phase PCR on Supercritical Angle Fluorescence Micro Lens Array for Multiplexed Detection of Invasive Nontyphoidal Serovars. <i>Analytical Chemistry</i> , 2020 , 92, 2706-2713	7.8	8
9	Anodic stripping voltammetry of anti-Vi antibody functionalized CdTe quantum dots for the specific monitoring of Salmonella enterica serovar Typhi. <i>RSC Advances</i> , 2015 , 5, 88234-88240	3.7	6
8	Immuno-fluorescence based Vi capsular polysaccharide detection for specific recognition of Salmonella enterica serovar Typhi in clinical samples. <i>Analytica Chimica Acta</i> , 2014 , 841, 51-7	6.6	6
7	Avian Antibodies for Staphylococcal Enterotoxin B as an Efficient Tool for FRET-Based Fluoroimmunosensor. <i>BioNanoScience</i> , 2013 , 3, 232-240	3.4	6
6	Nanoparticles and Biophotonics as Efficient Tools in Resonance Energy Transfer-Based Biosensing for Monitoring Food Toxins and Pesticides. <i>ACS Symposium Series</i> , 2013 , 55-84	0.4	5
5	Development of Reverse Transcription Loop-Mediated Isothermal Amplification Assay for Rapid and On-Site Detection of Avian Influenza Virus. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 652048	5.9	4
4	An immobilized dehydrohalogenase based potentiometric biosensor for the detection of chlorinated pesticides. <i>Analytical Methods</i> , 2010 , 2, 1355	3.2	3
3	Basic Principles of Optical Biosensors in Food Engineering 2016 , 70-87		2
2	Point-of-care diagnosis of invasive non-typhoidal Salmonella enterica in bloodstream infections using immunomagnetic capture and loop-mediated isothermal amplification. <i>New Biotechnology</i> , 2021 , 66, 1-7	6.4	2
1	Elimination of Carryover Contamination in Real-Time Reverse Transcriptase Loop-Mediated Isothermal Amplification for Rapid Detection of the SARS-CoV-2 Virus in Point-of-Care Testing.. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022 , 12, 856553	5.9	1