

Sharmili Roy

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

525
citations

933447

10
h-index

996975

15
g-index

23
all docs

23
docs citations

23
times ranked

537
citing authors

#	ARTICLE	IF	CITATIONS
1	Colorimetric Nucleic Acid Detection on Paper Microchip Using Loop Mediated Isothermal Amplification and Crystal Violet Dye. ACS Sensors, 2017, 2, 1713-1720.	7.8	79
2	A novel, sensitive and label-free loop-mediated isothermal amplification detection method for nucleic acids using luminophore dyes. Biosensors and Bioelectronics, 2016, 86, 346-352.	10.1	54
3	COVID-19 transmission, vulnerability, persistence and nanotherapy: a review. Environmental Chemistry Letters, 2021, 19, 2773-2787.	16.2	43
4	Recent nanobiotechnological advancements in lignocellulosic biomass valorization: A review. Journal of Environmental Management, 2021, 297, 113422.	7.8	43
5	Meat species identification using DNA-redox electrostatic interactions and non-specific adsorption on graphene biochips. Food Control, 2016, 61, 70-78.	5.5	40
6	Design and Development of Ultrafast Sinapic Acid Sensor Based on Electrochemically Nanotuned Gold Nanoparticles and Solvothermally Reduced Graphene Oxide. Electroanalysis, 2020, 32, 59-69.	2.9	38
7	Meat species identification using DNA-luminol interaction and their slow diffusion onto the biochip surface. Food Chemistry, 2018, 248, 29-36.	8.2	35
8	Paper-based rapid detection of pork and chicken using LAMP magnetic bead aggregates. Analytical Methods, 2016, 8, 2391-2399.	2.7	33
9	Recent developments towards portable point-of-care diagnostic devices for pathogen detection. Sensors & Diagnostics, 2022, 1, 87-105.	3.8	31
10	Cancer Cytosensing Approaches in Miniaturized Settings Based on Advanced Nanomaterials and Biosensors. , 2019, , 133-147.		26
11	Nanotherapeutics. , 2019, , 149-161.		18
12	Immunotherapeutics for Covid-19 and post vaccination surveillance. 3 Biotech, 2020, 10, 527.	2.2	17
13	Advanced Biosensing Methodologies for Ultrasensitive Detection of Human Coronaviruses. Medical Virology, 2020, , 19-36.	2.2	10
14	Updated insight into COVID-19 disease and health management to combat the pandemic. , 2021, , 3-39.		6
15	Diverse Molecular Techniques for Early Diagnosis of COVID-19 and Other Coronaviruses. Medical Virology, 2020, , 135-159.	2.2	5
16	Rapid detection of pork DNA in food samples using reusable electrochemical sensor. Scientia Bruneiana, 0, 15, .	0.1	5
17	Insights into Novel Coronavirus and COVID-19 Outbreak. Medical Virology, 2020, , 1-17.	2.2	5
18	Electroanalytical techniques for investigating biofilms: Applications in biosensing and biomolecular interfacing. , 2020, , 293-329.		4

#	ARTICLE	IF	CITATIONS
19	CHAPTER 16. Isothermal DNA Amplification Strategies for Food Biosensors. Food Chemistry, Function and Analysis, 2016, , 367-392.	0.2	4
20	Public health management during COVID-19 and applications of point-of-care based biomolecular detection approaches. , 2021, , 345-378.		3
21	Novel coronavirus (COVID-19) in environmental engineering perspective. Environmental Science and Pollution Research, 2022, 29, 85559-85561.	5.3	3