

Narayanan Madaboosi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11780292/publications.pdf>

Version: 2024-02-01

30
papers

777
citations

430874

18
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

1059
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic Fiber Optic Absorbance Biosensor for MDR-Mtb detection using Padlock Probing. , 2022, , .		0
2	Rolling Circle Amplification in Bead-Based Microfluidic Device with Integrated Photodiode for Fluorescence Signal Transduction. , 2021, , .		1
3	Electrochemical Genosensing of E. coli Based on Padlock Probes and Rolling Circle Amplification. Sensors, 2021, 21, 1749.	3.8	7
4	Evaluation of Immuno-Rolling Circle Amplification for Multiplex Detection and Profiling of Antigen-Specific Antibody Isotypes. Analytical Chemistry, 2021, 93, 6169-6177.	6.5	12
5	Circle-to-circle amplification coupled with microfluidic affinity chromatography enrichment for in vitro molecular diagnostics of Zika fever and analysis of anti-flaviviral drug efficacy. Sensors and Actuators B: Chemical, 2021, 336, 129723.	7.8	9
6	Rolling Circle Amplification in Integrated Microsystems: An Uncut Gem toward Massively Multiplexed Pathogen Diagnostics and Genotyping. Accounts of Chemical Research, 2021, 54, 3979-3990.	15.6	26
7	The sweet detection of rolling circle amplification: Glucose-based electrochemical genosensor for the detection of viral nucleic acid. Biosensors and Bioelectronics, 2020, 151, 112002.	10.1	32
8	Digital Rolling Circle Amplification-Based Detection of Ebola and Other Tropical Viruses. Journal of Molecular Diagnostics, 2020, 22, 272-283.	2.8	30
9	Sub-attomole detection of HIV-1 using padlock probes and rolling circle amplification combined with microfluidic affinity chromatography. Biosensors and Bioelectronics, 2020, 166, 112442.	10.1	25
10	OPENchip: an on-chip <i>in situ</i> molecular profiling platform for gene expression analysis and oncogenic mutation detection in single circulating tumour cells. Lab on A Chip, 2020, 20, 912-922.	6.0	14
11	Real-time analysis of switchable nanocomposites of magnesium pyrophosphates and rolling circle amplification products. ChemNanoMat, 2020, 6, 1276-1282.	2.8	4
12	A novel mutation tolerant padlock probe design for multiplexed detection of hypervariable RNA viruses. Scientific Reports, 2019, 9, 2872.	3.3	21
13	Silica bead-based microfluidic device with integrated photodiodes for the rapid capture and detection of rolling circle amplification products in the femtomolar range. Biosensors and Bioelectronics, 2019, 128, 68-75.	10.1	33
14	Efficient DNA-assisted synthesis of trans-membrane gold nanowires. Microsystems and Nanoengineering, 2018, 4, .	7.0	9
15	A "Cell-Friendly" Window for the Interaction of Cells with Hyaluronic Acid/Poly-L-lysine Multilayers. Macromolecular Bioscience, 2018, 18, 1700319.	4.1	18
16	Padlock Probe Assay for Detection and Subtyping of Seasonal Influenza. Clinical Chemistry, 2018, 64, 1704-1712.	3.2	14
17	QCM mass underestimation in molecular biotechnology: Proximity ligation assay for norovirus detection as a case study. Sensors and Actuators B: Chemical, 2018, 273, 742-750.	7.8	11
18	Top-Down Fabricated Silicon Nanowire Arrays for Field-Effect Detection of Prostate-Specific Antigen. ACS Omega, 2018, 3, 8471-8482.	3.5	31

#	ARTICLE	IF	CITATIONS
19	Real-Time QCM Measurements of Rolling Circle Amplification Products. Proceedings (mdpi), 2017, 1, .	0.2	1
20	Lab-on-chip systems for integrated bioanalyses. Essays in Biochemistry, 2016, 60, 121-131.	4.7	32
21	DNA aptamer-based sandwich microfluidic assays for dual quantification and multi-glycan profiling of cancer biomarkers. Biosensors and Bioelectronics, 2016, 79, 313-319.	10.1	61
22	A microfluidic immunoassay platform for the detection of free prostate specific antigen: a systematic and quantitative approach. Analyst, The, 2015, 140, 4423-4433.	3.5	21
23	Surface plasmon resonance application in prostate cancer biomarker research. Chemical Papers, 2015, 69, .	2.2	18
24	Mesoporous Protein Particles Through Colloidal CaCO ₃ Templates. Advanced Functional Materials, 2013, 23, 116-123.	14.9	59
25	Microfluidics meets soft layer-by-layer films: selective cell growth in 3D polymer architectures. Lab on A Chip, 2012, 12, 1434.	6.0	30
26	Control of Cell Adhesion by Mechanical Reinforcement of Soft Polyelectrolyte Films with Nanoparticles. Langmuir, 2012, 28, 7249-7257.	3.5	75
27	3d localization and diffusion of proteins in polyelectrolyte multilayers. Soft Matter, 2012, 8, 11786.	2.7	54
28	Growth behaviour and mechanical properties of PLL/HA multilayer films studied by AFM. Beilstein Journal of Nanotechnology, 2012, 3, 778-788.	2.8	37
29	Microfluidics as A Tool to Understand the Build-Up Mechanism of Exponential-Like Growing Films. Macromolecular Rapid Communications, 2012, 33, 1775-1779.	3.9	41
30	Anisotropic multicompartement micro- and nano-capsules produced via embedding into biocompatible PLL/HA films. Chemical Communications, 2011, 47, 2098-2100.	4.1	49