

# Narayanan Madaboosi

## List of Publications by Year in descending order

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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	Control of Cell Adhesion by Mechanical Reinforcement of Soft Polyelectrolyte Films with Nanoparticles. <i>Langmuir</i> , 2012, 28, 7249-7257.	3.5	75
2	DNA aptamer-based sandwich microfluidic assays for dual quantification and multi-glycan profiling of cancer biomarkers. <i>Biosensors and Bioelectronics</i> , 2016, 79, 313-319.	10.1	61
3	Mesoporous Protein Particles Through Colloidal CaCO <sub>3</sub> Templates. <i>Advanced Functional Materials</i> , 2013, 23, 116-123.	14.9	59
4	3d localization and diffusion of proteins in polyelectrolyte multilayers. <i>Soft Matter</i> , 2012, 8, 11786.	2.7	54
5	Anisotropic multicompartiment micro- and nano-capsules produced via embedding into biocompatible PLL/HA films. <i>Chemical Communications</i> , 2011, 47, 2098-2100.	4.1	49
6	Microfluidics as A Tool to Understand the Build-Up Mechanism of Exponential-Like Growing Films. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1775-1779.	3.9	41
7	Growth behaviour and mechanical properties of PLL/HA multilayer films studied by AFM. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 778-788.	2.8	37
8	Silica bead-based microfluidic device with integrated photodiodes for the rapid capture and detection of rolling circle amplification products in the femtomolar range. <i>Biosensors and Bioelectronics</i> , 2019, 128, 68-75.	10.1	33
9	Lab-on-chip systems for integrated bioanalyses. <i>Essays in Biochemistry</i> , 2016, 60, 121-131.	4.7	32
10	The sweet detection of rolling circle amplification: Glucose-based electrochemical genosensor for the detection of viral nucleic acid. <i>Biosensors and Bioelectronics</i> , 2020, 151, 112002.	10.1	32
11	Top-Down Fabricated Silicon Nanowire Arrays for Field-Effect Detection of Prostate-Specific Antigen. <i>ACS Omega</i> , 2018, 3, 8471-8482.	3.5	31
12	Microfluidics meets soft layer-by-layer films: selective cell growth in 3D polymer architectures. <i>Lab on A Chip</i> , 2012, 12, 1434.	6.0	30
13	Digital Rolling Circle Amplification-Based Detection of Ebola and Other Tropical Viruses. <i>Journal of Molecular Diagnostics</i> , 2020, 22, 272-283.	2.8	30
14	Rolling Circle Amplification in Integrated Microsystems: An Uncut Gem toward Massively Multiplexed Pathogen Diagnostics and Genotyping. <i>Accounts of Chemical Research</i> , 2021, 54, 3979-3990.	15.6	26
15	Sub-attomole detection of HIV-1 using padlock probes and rolling circle amplification combined with microfluidic affinity chromatography. <i>Biosensors and Bioelectronics</i> , 2020, 166, 112442.	10.1	25
16	A microfluidic immunoassay platform for the detection of free prostate specific antigen: a systematic and quantitative approach. <i>Analyst</i> , 2015, 140, 4423-4433.	3.5	21
17	A novel mutation tolerant padlock probe design for multiplexed detection of hypervariable RNA viruses. <i>Scientific Reports</i> , 2019, 9, 2872.	3.3	21
18	Surface plasmon resonance application in prostate cancer biomarker research. <i>Chemical Papers</i> , 2015, 69, .	2.2	18

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19	A "Cell-Friendly" Window for the Interaction of Cells with Hyaluronic Acid/Poly-L-lysine Multilayers. <i>Macromolecular Bioscience</i> , 2018, 18, 1700319.	4.1	18
20	Padlock Probe Assay for Detection and Subtyping of Seasonal Influenza. <i>Clinical Chemistry</i> , 2018, 64, 1704-1712.	3.2	14
21	OPENchip: an on-chip <i>in situ</i> molecular profiling platform for gene expression analysis and oncogenic mutation detection in single circulating tumour cells. <i>Lab on A Chip</i> , 2020, 20, 912-922.	6.0	14
22	Evaluation of Immuno-Rolling Circle Amplification for Multiplex Detection and Profiling of Antigen-Specific Antibody Isotypes. <i>Analytical Chemistry</i> , 2021, 93, 6169-6177.	6.5	12
23	QCM mass underestimation in molecular biotechnology: Proximity ligation assay for norovirus detection as a case study. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 742-750.	7.8	11
24	Efficient DNA-assisted synthesis of trans-membrane gold nanowires. <i>Microsystems and Nanoengineering</i> , 2018, 4, .	7.0	9
25	Circle-to-circle amplification coupled with microfluidic affinity chromatography enrichment for <i>in vitro</i> molecular diagnostics of Zika fever and analysis of anti-flaviviral drug efficacy. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129723.	7.8	9
26	Electrochemical Genosensing of <i>E. coli</i> Based on Padlock Probes and Rolling Circle Amplification. <i>Sensors</i> , 2021, 21, 1749.	3.8	7
27	Real-time analysis of switchable nanocomposites of magnesium pyrophosphates and rolling circle amplification products. <i>ChemNanoMat</i> , 2020, 6, 1276-1282.	2.8	4
28	Real-Time QCM Measurements of Rolling Circle Amplification Products. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	1
29	Rolling Circle Amplification in Bead-Based Microfluidic Device with Integrated Photodiode for Fluorescence Signal Transduction. , 2021, , .		1
30	Plasmonic Fiber Optic Absorbance Biosensor for MDR-Mtb detection using Padlock Probing. , 2022, , .		0