

Rohit Mishra

List of Publications by Year in descending order

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475
citing authors

#	ARTICLE	IF	CITATIONS
1	CD-Based Microfluidics for Primary Care in Extreme Point-of-Care Settings. <i>Micromachines</i> , 2016, 7, 22.	2.9	88
2	Label-free, spatially multiplexed SPR detection of immunoassays on a highly integrated centrifugal Lab-on-a-Disc platform. <i>Biosensors and Bioelectronics</i> , 2018, 119, 86-93.	10.1	44
3	Wirelessly powered and remotely controlled valve-array for highly multiplexed analytical assay automation on a centrifugal microfluidic platform. <i>Biosensors and Bioelectronics</i> , 2018, 109, 214-223.	10.1	41
4	Polyethylene imine/graphene oxide layer-by-layer surface functionalization for significantly improved limit of detection and binding kinetics of immunoassays on acrylate surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 167-174.	5.0	24
5	Automation of multi-analyte prostate cancer biomarker immunoassay panel from whole blood by minimum-instrumentation rotational flow control. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 668-675.	7.8	19
6	On-surface derivatisation of aromatic molecules on graphene: the importance of packing density. <i>Chemical Communications</i> , 2015, 51, 16778-16781.	4.1	14
7	Rapid and Reliable Calibration of Laser Beam Deflection System for Microcantilever-Based Sensor Setups. <i>Journal of Sensors</i> , 2012, 2012, 1-6.	1.1	10
8	Automation of Silica Bead-based Nucleic Acid Extraction on a Centrifugal Lab-on-a-Disc Platform. <i>Journal of Physics: Conference Series</i> , 2016, 757, 012013.	0.4	10
9	Siphon-Controlled Automation on a Lab-on-a-Disc Using Event-Triggered Dissolvable Film Valves. <i>Biosensors</i> , 2021, 11, 73.	4.7	9
10	Effect of non-specific species competition from total RNA on the static mode hybridization response of nanomechanical assays of oligonucleotides. <i>Nanotechnology</i> , 2014, 25, 225501.	2.6	8
11	Lipophilic-membrane based routing for centrifugal automation of heterogeneous immunoassays. , 2015, , .		8
12	Solvent selective membrane routing and microfluidic architecture towards centrifugal automation of customisable bead based immunoassays. <i>Sensors and Actuators B: Chemical</i> , 2022, 356, 131305.	7.8	8
13	Laser-actuated centrifugo-pneumatic flow control towards "sample-to-answer"™ integrated detection of multi-marker panels at the point-of-care. , 2018, , .		5
14	Wireless closed-loop control of centrifugo-pneumatic valving towards large-scale microfluidic process integration. , 2018, , .		2
15	Automated assembly of microfluidic "lab-on-a-disc". , 2018, , .		2
16	Nucleic acid purification on a Lab-on-a-Disc with time-controlled incubation. , 2017, , .		1