

Jochen Hoffmann

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

462
citations

1478505

6
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical model describing the nonlinear behavior of an elastomeric pump membrane in a microfluidic network. <i>Microfluidics and Nanofluidics</i> , 2022, 26, 1.	2.2	1
2	Employing fluorescence analysis for real-time determination of the volume displacement of a pneumatically driven diaphragm micropump. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 075003.	2.6	3
3	Real-Time Detection of Tumor Cells during Capture on a Filter Element Significantly Enhancing Detection Rate. <i>Biosensors</i> , 2021, 11, 312.	4.7	2
4	Fusing MEMS technology with lab-on-chip: nanoliter-scale silicon microcavity arrays for digital DNA quantification and multiplex testing. <i>Microsystems and Nanoengineering</i> , 2020, 6, 82.	7.0	14
5	An analytical model for void-free priming of microcavities. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	2.2	2
6	From CAD to microfluidic chip within one day: rapid prototyping of lab-on-chip cartridges using generic polymer parts. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 115012.	2.6	10
7	Solid-phase PCR in a picowell array for immobilizing and arraying 100,000 PCR products to a microscope slide. <i>Lab on A Chip</i> , 2012, 12, 3049.	6.0	34
8	Optical non-contact localization of liquid-gas interfaces on disk during rotation for measuring flow rates and viscosities. <i>Lab on A Chip</i> , 2012, 12, 5231.	6.0	6
9	Universal protocol for grafting PCR primers onto various lab-on-a-chip substrates for solid-phase PCR. <i>RSC Advances</i> , 2012, 2, 3885.	3.6	24
10	Microfluidic lab-on-a-foil for nucleic acid analysis based on isothermal recombinase polymerase amplification (RPA). <i>Lab on A Chip</i> , 2010, 10, 887.	6.0	308
11	Pre-storage of liquid reagents in glass ampoules for DNA extraction on a fully integrated lab-on-a-chip cartridge. <i>Lab on A Chip</i> , 2010, 10, 1480.	6.0	58