

Vania Silverio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6399916/publications.pdf>

Version: 2024-02-01

16
papers

217
citations

1477746

6
h-index

1372195

10
g-index

17
all docs

17
docs citations

17
times ranked

341
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and trends in magnetic sensor integration with microfluidics for biomedical applications. Journal Physics D: Applied Physics, 2017, 50, 213001.	1.3	81
2	Surface wettability and stability of chemically modified silicon, glass and polymeric surfaces via room temperature chemical vapor deposition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 210-217.	2.3	31
3	Go with the flow: advances and trends in magnetic flow cytometry. Analytical and Bioanalytical Chemistry, 2019, 411, 1839-1862.	1.9	24
4	Design, fabrication and test of an integrated multi-microchannel heat sink for electronics cooling. Sensors and Actuators A: Physical, 2015, 235, 14-27.	2.0	22
5	On-Chip Magnetic Nanoparticle Manipulation and Trapping for Biomedical Applications. IEEE Transactions on Magnetics, 2017, 53, 1-6.	1.2	13
6	Experimental testing for metrological traceability and accuracy of liquid microflows and microfluidics. Flow Measurement and Instrumentation, 2020, 71, 101691.	1.0	10
7	Microfabrication Techniques for Microfluidic Devices. , 2018, , 25-51.		10
8	Manipulation of Magnetic Beads with Thin Film Microelectromagnet Traps. Micromachines, 2019, 10, 607.	1.4	6
9	Dark matters: black-PDMS nanocomposite for opaque microfluidic systems. Physical Chemistry Chemical Physics, 2019, 21, 2719-2726.	1.3	6
10	An integrated device for fast and sensitive immunosuppressant detection. Analytical and Bioanalytical Chemistry, 2022, 414, 3243-3255.	1.9	6
11	Preliminary tests on a microfluidic device to study pore clogging during biocementation. E3S Web of Conferences, 2019, 92, 11018.	0.2	4
12	Lab-on-a-chip: Systems integration at the microscale. , 2021, , 63-87.		2
13	Friction Losses and Heat Transfer in Laminar Microchannel Single-Phase Liquid Flow. , 2008, , .		1
14	Introduction to microfabrication techniques for microfluidics devices. , 2021, , 19-30.		1
15	Diabatic flow boiling in circular transparent microchannels. Journal of Physics: Conference Series, 2012, 395, 012090.	0.3	0
16	FLOW BOILING INSTABILITIES OF LOW-LATENT HEAT OF VAPORIZATION LIQUIDS IN SINGLE MICROCHANNELS. , 2016, , .		0