

Crispin Szydzik

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

298
citations

1040056
9
h-index

1125743
13
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15
all docs

15
docs citations

15
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-Free Optofluidic Nanobiosensor Enables Real-Time Analysis of Single-Cell Cytokine Secretion. Small, 2018, 14, e1800698.	10.0	70
2	Microfluidic platform for separation and extraction of plasma from whole blood using dielectrophoresis. Biomicrofluidics, 2015, 9, 064120.	2.4	46
3	Porous PDMS structures for the storage and release of aqueous solutions into fluidic environments. Lab on A Chip, 2017, 17, 2517-2527.	6.0	43
4	Fabrication of complex PDMS microfluidic structures and embedded functional substrates by one-step injection moulding. RSC Advances, 2016, 6, 87988-87994.	3.6	31
5	An automated optofluidic biosensor platform combining interferometric sensors and injection moulded microfluidics. Lab on A Chip, 2017, 17, 2793-2804.	6.0	26
6	A self-sufficient micro-droplet generation system using highly porous elastomeric sponges: A versatile tool for conducting cellular assays. Sensors and Actuators B: Chemical, 2018, 274, 645-653.	7.8	23
7	Optical frequency comb based system for photonic refractive index sensor interrogation. Optics Express, 2019, 27, 21532.	3.4	18
8	Highly accurate and label-free discrimination of single cancer cell using a plasmonic oxide-based nanoprobe. Biosensors and Bioelectronics, 2022, 198, 113814.	10.1	14
9	Active Micropump-Mixer for Rapid Antiplatelet Drug Screening in Whole Blood. Analytical Chemistry, 2019, 91, 10830-10839.	6.5	9
10	Elastomeric microvalve geometry affects haemocompatibility. Lab on A Chip, 2018, 18, 1778-1792.	6.0	5
11	Dynamic drag force based on iterative density mapping: A new numerical tool for three-dimensional analysis of particle trajectories in a dielectrophoretic system. Electrophoresis, 2016, 37, 645-657.	2.4	4
12	A Review of Design Considerations for Hemocompatibility within Microfluidic Systems. Seminars in Thrombosis and Hemostasis, 2020, 46, 622-636.	2.7	3
13	An integrated nanoplasmonic biosensor for monitoring cytokine secretion from single cells. , 2019, , .		2
14	Interrogation of photonic biosensors using dual optical frequency combs. , 2020, , .		0