

Crispin Szydzik

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

298
citations

1039406

9
h-index

1125271

13
g-index

15
all docs

15
docs citations

15
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly accurate and label-free discrimination of single cancer cell using a plasmonic oxide-based nanoprobe. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113814.	5.3	14
2	A Review of Design Considerations for Hemocompatibility within Microfluidic Systems. <i>Seminars in Thrombosis and Hemostasis</i> , 2020, 46, 622-636.	1.5	3
3	Interrogation of photonic biosensors using dual optical frequency combs. , 2020, , .		0
4	Active Micropump-Mixer for Rapid Antiplatelet Drug Screening in Whole Blood. <i>Analytical Chemistry</i> , 2019, 91, 10830-10839.	3.2	9
5	An integrated nanoplasmonic biosensor for monitoring cytokine secretion from single cells. , 2019, , .		2
6	Optical frequency comb based system for photonic refractive index sensor interrogation. <i>Optics Express</i> , 2019, 27, 21532.	1.7	18
7	Label-Free Optofluidic Nanobiosensor Enables Real-Time Analysis of Single-Cell Cytokine Secretion. <i>Small</i> , 2018, 14, e1800698.	5.2	70
8	A self-sufficient micro-droplet generation system using highly porous elastomeric sponges: A versatile tool for conducting cellular assays. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 645-653.	4.0	23
9	Elastomeric microvalve geometry affects haemocompatibility. <i>Lab on A Chip</i> , 2018, 18, 1778-1792.	3.1	5
10	Porous PDMS structures for the storage and release of aqueous solutions into fluidic environments. <i>Lab on A Chip</i> , 2017, 17, 2517-2527.	3.1	43
11	An automated optofluidic biosensor platform combining interferometric sensors and injection moulded microfluidics. <i>Lab on A Chip</i> , 2017, 17, 2793-2804.	3.1	26
12	Dynamic drag force based on iterative density mapping: A new numerical tool for three-dimensional analysis of particle trajectories in a dielectrophoretic system. <i>Electrophoresis</i> , 2016, 37, 645-657.	1.3	4
13	Fabrication of complex PDMS microfluidic structures and embedded functional substrates by one-step injection moulding. <i>RSC Advances</i> , 2016, 6, 87988-87994.	1.7	31
14	Microfluidic platform for separation and extraction of plasma from whole blood using dielectrophoresis. <i>Biomicrofluidics</i> , 2015, 9, 064120.	1.2	46