

Crispin Szydzik

List of Publications by Year in descending order

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14
papers

298
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600
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Label-Free Optofluidic Nanobiosensor Enables Real-Time Analysis of Single-Cell Cytokine Secretion. <i>Small</i> , 2018, 14, e1800698. | 5.2 | 70 |
| 2 | Microfluidic platform for separation and extraction of plasma from whole blood using dielectrophoresis. <i>Biomicrofluidics</i> , 2015, 9, 064120. | 1.2 | 46 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Optical frequency comb based system for photonic refractive index sensor interrogation. <i>Optics Express</i> , 2019, 27, 21532. | 1.7 | 18 |
| 8 | 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 |
| 9 | Active Micropump-Mixer for Rapid Antiplatelet Drug Screening in Whole Blood. <i>Analytical Chemistry</i> , 2019, 91, 10830-10839. | 3.2 | 9 |
| 10 | Elastomeric microvalve geometry affects haemocompatibility. <i>Lab on A Chip</i> , 2018, 18, 1778-1792. | 3.1 | 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. <i>Electrophoresis</i> , 2016, 37, 645-657. | 1.3 | 4 |
| 12 | A Review of Design Considerations for Hemocompatibility within Microfluidic Systems. <i>Seminars in Thrombosis and Hemostasis</i> , 2020, 46, 622-636. | 1.5 | 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 |