

Emmanuel Roy

List of Publications by Year in descending order

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docs citations

24
times ranked

1397
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-sealing thermoplastic fluoroelastomer enables rapid fabrication of modular microreactors. <i>Nano Select</i> , 2021, 2, 1385-1402.	1.9	3
2	Soft Thermoplastic Elastomer for Easy and Rapid Spin-Coating Fabrication of Microfluidic Devices with High Hydrophilization and Bonding Performances. <i>Advanced Materials Technologies</i> , 2019, 4, 1800308.	3.0	10
3	Low-Cost, Accessible Fabrication Methods for Microfluidics Research in Low-Resource Settings. <i>Micromachines</i> , 2018, 9, 461.	1.4	41
4	Thermoplastic elastomer with advanced hydrophilization and bonding performances for rapid (30 s) and easy molding of microfluidic devices. <i>Lab on A Chip</i> , 2017, 17, 2581-2594.	3.1	39
5	Fabrication of adjacent micropillar arrays with different heights for cell studies. <i>Microelectronic Engineering</i> , 2016, 158, 22-25.	1.1	18
6	From cellular lysis to microarray detection, an integrated thermoplastic elastomer (TPE) point of care Lab on a Disc. <i>Lab on A Chip</i> , 2015, 15, 406-416.	3.1	69
7	Thermoplastic elastomers for microfluidics: Towards a high-throughput fabrication method of multilayered microfluidic devices. <i>Lab on A Chip</i> , 2011, 11, 3193.	3.1	78
8	3D thermoplastic elastomer microfluidic devices for biological probe immobilization. <i>Lab on A Chip</i> , 2011, 11, 4099.	3.1	37
9	Prototyping of microfluidic systems using a commercial thermoplastic elastomer. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 235-244.	1.0	44
10	Rapid isothermal substrate microfabrication of a biocompatible thermoplastic elastomer for cellular contact guidance. <i>Acta Biomaterialia</i> , 2011, 7, 2492-2498.	4.1	30
11	Serial siphon valving for centrifugal microfluidic platforms. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 55-63.	1.0	123
12	Fabrication of Microfluidic Devices in Thermoplastic Elastomeric Materials for DNA Detection on Thermal Plastic Substrate. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1222, 1.	0.1	0
13	Stretching the Stamp: A Flexible Approach to the Fabrication of Miniaturized DNA Arrays. <i>Small</i> , 2009, 5, 2514-2518.	5.2	10
14	Microlens array fabrication by enhanced thermal reflow process: Towards efficient collection of fluorescence light from microarrays. <i>Microelectronic Engineering</i> , 2009, 86, 2255-2261.	1.1	87
15	Surface topography induces 3D self-orientation of cells and extracellular matrix resulting in improved tissue function. <i>Integrative Biology (United Kingdom)</i> , 2009, 1, 196.	0.6	103
16	Microfluidic Patterning of Miniaturized DNA Arrays on Plastic Substrates. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1387-1395.	4.0	39
17	Microfluidic ELISA on non-passivated PDMS chip using magnetic bead transfer inside dual networks of channels. <i>Lab on A Chip</i> , 2007, 7, 1546.	3.1	62
18	Surface modification of thermoplastics towards the plastic biochip for high throughput screening devices. <i>Lab on A Chip</i> , 2007, 7, 856-862.	3.1	101

#	ARTICLE	IF	CITATIONS
19	Fabrication of SOI photonic crystal slabs by soft UV-nanoimprint lithography. <i>Microelectronic Engineering</i> , 2006, 83, 1773-1777.	1.1	16
20	Fabrication of soft nanoimprint stamps and polymer subwavelength gratings by spin coating techniques. , 2005, 5635, 144.		0
21	Using electrochemical coupling between parallel microbands for in situ monitoring of flow rates in microfluidic channels. <i>Journal of Electroanalytical Chemistry</i> , 2004, 573, 333-343.	1.9	64
22	Field Emission from an Array of Free-standing Metallic Nanowires. <i>Chinese Physics Letters</i> , 2002, 19, 1016-1018.	1.3	13
23	Overview of Materials for Microfluidic Applications. , 0, , .		7
24	Molecular Microfluidic Bioanalysis: Recent Progress in Preconcentration, Separation, and Detection. , 0, , .		0