

Laurent Griscom

List of Publications by Year in descending order

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18
papers

838
citations

687363

13
h-index

839539

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18
all docs

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docs citations

18
times ranked

1311
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraining the connectivity of neuronal networks cultured on microelectrode arrays with microfluidic techniques: A step towards neuron-based functional chips. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1093-1100.	10.1	126
2	Trends in the development of microfluidic cell biochips for in vitro hepatotoxicity. <i>Toxicology in Vitro</i> , 2007, 21, 535-544.	2.4	99
3	Development of a Renal Microchip for In Vitro Distal Tubule Models. <i>Biotechnology Progress</i> , 2007, 23, 0-0.	2.6	96
4	Behavior of HepG2/C3A cell cultures in a microfluidic bioreactor. <i>Biochemical Engineering Journal</i> , 2011, 53, 172-181.	3.6	95
5	Improvement of HepG2/C3a cell functions in a microfluidic biochip. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1704-1715.	3.3	90
6	Predictive toxicology using systemic biology and liver microfluidic "on chip" approaches: Application to acetaminophen injury. <i>Toxicology and Applied Pharmacology</i> , 2012, 259, 270-280.	2.8	59
7	On-chip multi-electrochemical sensor array platform for simultaneous screening of nitric oxide and peroxynitrite. <i>Lab on A Chip</i> , 2011, 11, 1342.	6.0	51
8	Quantitative full-colour transmitted light microscopy and dyes for concentration mapping and measurement of diffusion coefficients in microfluidic architectures. <i>Lab on A Chip</i> , 2012, 12, 808.	6.0	50
9	Techniques for patterning and guidance of primary culture neurons on micro-electrode arrays. <i>Sensors and Actuators B: Chemical</i> , 2002, 83, 15-21.	7.8	40
10	Guidance of liver and kidney organotypic cultures inside rectangular silicone microchannels. <i>Biomaterials</i> , 2006, 27, 4109-4119.	11.4	31
11	Selective control of liver and kidney cells migration during organotypic cocultures inside fibronectin-coated rectangular silicone microchannels. <i>Biomaterials</i> , 2007, 28, 1820-1829.	11.4	25
12	In Vitro Reconstruction of Neuro-Epidermal Connections. <i>Journal of Investigative Dermatology</i> , 2007, 127, 979-981.	0.7	24
13	Investigation of expression and activity levels of primary rat hepatocyte detoxication genes under various flow rates and cell densities in microfluidic biochips. <i>Biotechnology Progress</i> , 2014, 30, 401-410.	2.6	23
14	Array of ultramicroelectrodes for the simultaneous detection of nitric oxide and peroxynitrite in biological systems. <i>Electrochimica Acta</i> , 2014, 140, 33-36.	5.2	9
15	Micro-ring disc ultramicroelectrodes array for direct detection of NO-release from S-nitrosoglutathione. <i>Electrochemistry Communications</i> , 2011, 13, 681-684.	4.7	8
16	Optical microscopy and spectroscopy of analyte-sensitive functionalized gold nanoparticles in microfluidic systems. <i>Proceedings of SPIE</i> , 2013, , .	0.8	7
17	Manipulation and Optical Detection of Colloidal Functional Plasmonic Nanostructures in Microfluidic Systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 102-114.	2.9	3
18	Comparison of three different configurations of dual ultramicroelectrodes for the decomposition of S-Nitroso-L-glutathione and the direct detection of nitric oxide. <i>Mikrochimica Acta</i> , 2012, 179, 337-343.	5.0	2