

Larry J Millet

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,906
citations

257450

24
h-index

289244

40
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43
all docs

43
docs citations

43
times ranked

4040
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying Candidate Biomarkers of Ionizing Radiation in Human Pulmonary Microvascular Lumens Using Microfluidics—A Pilot Study. <i>Micromachines</i> , 2021, 12, 904.	2.9	2
2	Quantitative encapsulation and retention of ²²⁷ Th and decay daughters in core-shell lanthanum phosphate nanoparticles. <i>Nanoscale</i> , 2020, 12, 9744-9755.	5.6	10
3	Label-free time- and space-resolved exometabolite sampling of growing plant roots through nanoporous interfaces. <i>Scientific Reports</i> , 2019, 9, 10272.	3.3	12
4	Genetic Selection for Small Molecule Production in Competitive Microfluidic Droplets. <i>ACS Synthetic Biology</i> , 2019, 8, 1737-1743.	3.8	6
5	Microfluidics and Metabolomics Reveal Symbiotic Bacterial-Fungal Interactions Between <i>Mortierella elongata</i> and <i>Burkholderia</i> Include Metabolite Exchange. <i>Frontiers in Microbiology</i> , 2019, 10, 2163.	3.5	37
6	Microfluidics-based separation of actinium-225 from radium-225 for medical applications. <i>Separation Science and Technology</i> , 2019, 54, 1994-2002.	2.5	0
7	Increasing access to microfluidics for studying fungi and other branched biological structures. <i>Fungal Biology and Biotechnology</i> , 2019, 6, 1.	5.1	17
8	Bacterial-fungal interactions: ecology, mechanisms and challenges. <i>FEMS Microbiology Reviews</i> , 2018, 42, 335-352.	8.6	468
9	Accessing microfluidics through feature-based design software for 3D printing. <i>PLoS ONE</i> , 2018, 13, e0192752.	2.5	15
10	Phase correlation imaging of unlabeled cell dynamics. <i>Scientific Reports</i> , 2016, 6, 32702.	3.3	36
11	Nanofluidic interfaces in microfluidic networks. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, 06FM01.	1.2	2
12	Modular microfluidics for point-of-care protein purifications. <i>Lab on A Chip</i> , 2015, 15, 1799-1811.	6.0	58
13	Material-mediated proangiogenic factor release pattern modulates quality of regenerated blood vessels. <i>Journal of Controlled Release</i> , 2014, 196, 363-369.	9.9	13
14	Micro-patterning of mammalian cells on suspended MEMS resonant sensors for long-term growth measurements. <i>Lab on A Chip</i> , 2014, 14, 1401.	6.0	21
15	Measuring Physical Properties of Neuronal and Glial Cells with Resonant Microsensors. <i>Analytical Chemistry</i> , 2014, 86, 4864-4872.	6.5	22
16	Ultra-localized single cell electroporation using silicon nanowires. <i>Lab on A Chip</i> , 2013, 13, 336-339.	6.0	55
17	Micromechanical properties of hydrogels measured with MEMS resonant sensors. <i>Biomedical Microdevices</i> , 2013, 15, 311-319.	2.8	28
18	New perspectives on neuronal development via microfluidic environments. <i>Trends in Neurosciences</i> , 2012, 35, 752-761.	8.6	123

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19	Hydrogel Microstructures: Characterization of Mass and Swelling of Hydrogel Microstructures using MEMS Resonant Mass Sensor Arrays (Small 16/2012). Small, 2012, 8, 2450-2450.	10.0	3
20	Characterization of Mass and Swelling of Hydrogel Microstructures using MEMS Resonant Mass Sensor Arrays. Small, 2012, 8, 2555-2562.	10.0	19
21	Peptidomic Analyses of Mouse Astrocytic Cell Lines and Rat Primary Cultured Astrocytes. Journal of Proteome Research, 2012, 11, 3965-3973.	3.7	32
22	Over a century of neuron culture: from the hanging drop to microfluidic devices. Yale Journal of Biology and Medicine, 2012, 85, 501-21.	0.2	59
23	Patterning the differentiation of C2C12 skeletal myoblasts. Integrative Biology (United Kingdom), 2011, 3, 897.	1.3	164
24	Pattern analysis and spatial distribution of neurons in culture. Integrative Biology (United Kingdom), 2011, 3, 1167.	1.3	27
25	Spatial light interference microscopy (SLIM). Optics Express, 2011, 19, 1016.	3.4	608
26	Spatial light interference tomography (SLIT). Optics Express, 2011, 19, 19907.	3.4	71
27	Dispersion-relation phase spectroscopy of intracellular transport. Optics Express, 2011, 19, 20571.	3.4	80
28	Separating Beads and Cells in Multi-channel Microfluidic Devices Using Dielectrophoresis and Laminar Flow. Journal of Visualized Experiments, 2011, , .	0.3	7
29	One-dimensional deterministic transport in neurons measured by dispersion-relation phase spectroscopy. Journal of Physics Condensed Matter, 2011, 23, 374107.	1.8	21
30	Label-free intracellular transport measured by spatial light interference microscopy. Journal of Biomedical Optics, 2011, 16, 1.	2.6	40
31	Fourier Transform Light Scattering (FTLS) of Cells and Tissues. Journal of Computational and Theoretical Nanoscience, 2010, 7, 2501-2511.	0.4	22
32	Fourier Transform Light Scattering of Biological Structure and Dynamics. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 909-918.	2.9	25
33	Measurement of adherent cell mass and growth. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20691-20696.	7.1	186
34	Rapid thermal lysis of cells using silicon-diamond microcantilever heaters. Lab on A Chip, 2010, 10, 1135.	6.0	53
35	Actin-driven cell dynamics probed by Fourier transform light scattering. Biomedical Optics Express, 2010, 1, 260.	2.9	26
36	Topography and refractometry of nanostructures using spatial light interference microscopy. Optics Letters, 2010, 35, 208.	3.3	55

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37	Guiding neuron development with planar surface gradients of substrate cues deposited using microfluidic devices. <i>Lab on A Chip</i> , 2010, 10, 1525.	6.0	144
38	Direct Cellular Peptidomics of Supraoptic Magnocellular and Hippocampal Neurons in Low-Density Cocultures. <i>ACS Chemical Neuroscience</i> , 2010, 1, 36-48.	3.5	19
39	Jones phase microscopy of transparent and anisotropic samples. <i>Optics Letters</i> , 2008, 33, 1270.	3.3	77
40	Neuropeptidomics of the Supraoptic Rat Nucleus. <i>Journal of Proteome Research</i> , 2008, 7, 4992-5003.	3.7	59
41	Microfluidic devices for culturing primary mammalian neurons at low densities. <i>Lab on A Chip</i> , 2007, 7, 987.	6.0	179