

Florian Lapierre

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

680
citations

687220

13
h-index

794469

19
g-index

28
all docs

28
docs citations

28
times ranked

1061
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme Resistance of Superhydrophobic Surfaces to Impalement: Reversible Electrowetting Related to the Impacting/Bouncing Drop Test. <i>Langmuir</i> , 2008, 24, 11203-11208.	1.6	82
2	EWOD driven cleaning of bioparticles on hydrophobic and superhydrophobic surfaces. <i>Lab on A Chip</i> , 2011, 11, 490-496.	3.1	80
3	High sensitive matrix-free mass spectrometry analysis of peptides using silicon nanowires-based digital microfluidic device. <i>Lab on A Chip</i> , 2011, 11, 1620.	3.1	74
4	Versatile SERS sensing based on black silicon. <i>Optics Express</i> , 2015, 23, 6763.	1.7	71
5	Reversible Electrowetting on Superhydrophobic Double-Nanotextured Surfaces. <i>Langmuir</i> , 2009, 25, 6551-6558.	1.6	55
6	Positioning an individual metal-organic framework particle using a magnetic field. <i>Journal of Materials Chemistry C</i> , 2013, 1, 42-45.	2.7	51
7	To grate a liquid into tiny droplets by its impact on a hydrophobic microgrid. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	50
8	Precise, accurate and user-independent blood collection system for dried blood spot sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3315-3323.	1.9	44
9	Electro-(de)wetting on Superhydrophobic Surfaces. <i>Langmuir</i> , 2013, 29, 13346-13351.	1.6	41
10	Electrowetting and droplet impalement experiments on superhydrophobic multiscale structures. <i>Faraday Discussions</i> , 2010, 146, 125.	1.6	33
11	Split and flow: reconfigurable capillary connection for digital microfluidic devices. <i>Lab on A Chip</i> , 2014, 14, 3589-3593.	3.1	18
12	Ready-to-use, flow: simple fabrication of microdroplet generators and their use in the synthesis of PolyHIPE microspheres. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 035011.	1.5	15
13	Droplet transport by electrowetting: lets get rough!. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 327-336.	1.0	13
14	A rapid assay for Hendra virus IgG antibody detection and its titre estimation using magnetic nanoparticles and phycoerythrin. <i>Journal of Virological Methods</i> , 2015, 222, 170-177.	1.0	13
15	Principles around Accurate Blood Volume Collection Using Capillary Action. <i>Langmuir</i> , 2017, 33, 14220-14225.	1.6	9
16	<i>In vitro</i> testing of the hemaPEN microsampling device for the quantification of acetaminophen in human blood. <i>Bioanalysis</i> , 2020, 12, 1725-1737.	0.6	9
17	Validation of high-throughput, semiquantitative solid-phase SARS-CoV-2 serology assays in serum and dried blood spot matrices. <i>Bioanalysis</i> , 2021, 13, 1183-1193.	0.6	7
18	Influence of flow rate on the droplet generation process in a microfluidic chip. <i>Proceedings of SPIE</i> , 2011, , .	0.8	5

#	ARTICLE	IF	CITATIONS
19	Arrays of polyacrylamide hydrogels using a carbodiimide-mediated crosslinking reaction. Journal of Applied Polymer Science, 2014, 131, .	1.3	5
20	An EWOD driven millimeter-wave phase shifter using a movable ultrasoft metalized PDMS ground plane. , 2011, , .		2
21	Artificial Antibacterial Surfaces that are Simple to Fabricate. , 2015, , 27-39.		2
22	Enzyme Assay in Microfluidics. , 2014, , 1-8.		1
23	Droplet based lab-on-chip microfluidic Microsystems integrated nanostructured surfaces for high sensitive mass spectrometry analysis. , 2013, , .		0
24	Integrated microdroplet-based system for enzyme synthesis and sampling. , 2013, , .		0
25	How to fabricate robust microfluidic systems for a dollar. Proceedings of SPIE, 2013, , .	0.8	0
26	Nanotextured CuO: sensing and light harvesting platform. Proceedings of SPIE, 2015, , .	0.8	0
27	Enzyme Assay in Microfluidics. , 2015, , 1035-1042.		0