

Cedric Hurth

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

602
citations

840776

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713466

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docs citations

24
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	A Sensitive, Portable Microfluidic Device for SARS-CoV-2 Detection from Self-Collected Saliva. <i>Infectious Disease Reports</i> , 2021, 13, 1061-1077.	3.1	10
2	Integrated Microfluidic System for Rapid DNA Fingerprint Analysis: A Miniaturized Integrated DNA Analysis System (MiDAS)â€”Swab Sample-In to DNA Profile-Out. <i>Methods in Molecular Biology</i> , 2019, 1906, 207-224.	0.9	3
3	Surface cytometer for fluorescent detection and growth monitoring of bacteria over a large field-of-view. <i>Biomedical Optics Express</i> , 2019, 10, 2101.	2.9	6
4	Real-time monitoring of viscosity changes triggered by chemical reactions using a high-speed imaging method. <i>Sensing and Bio-Sensing Research</i> , 2015, 5, 8-12.	4.2	4
5	Biomolecular interactions control the shape of stains from drying droplets of complex fluids. <i>Chemical Engineering Science</i> , 2015, 137, 398-403.	3.8	14
6	An integratable microfluidic cartridge for forensic swab samples lysis. <i>Forensic Science International: Genetics</i> , 2014, 8, 147-158.	3.1	13
7	A miniature quantitative PCR device for directly monitoring a sample processing on a microfluidic rapid DNA system. <i>Biomedical Microdevices</i> , 2014, 16, 905-914.	2.8	16
8	A tuneable array of unique steady-state microfluidic gradients. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12805.	2.8	3
9	Direct loading of polymer matrices in plastic microchips for rapid DNA analysis: A comparative study. <i>Electrophoresis</i> , 2012, 33, 2604-2611.	2.4	7
10	Identification of fluid and substrate chemistry based on automatic pattern recognition of stains. <i>Analytical Methods</i> , 2012, 4, 50-57.	2.7	20
11	Clinical diagnostic of pleural effusions using a high-speed viscosity measurement method. <i>Journal of Applied Physics</i> , 2011, 110, 034701.	2.5	5
12	An automated instrument for human STR identification: Design, characterization, and experimental validation. <i>Electrophoresis</i> , 2010, 31, 3510-3517.	2.4	30
13	Integrated Microfluidic System for Rapid Forensic DNA Analysis: Sample Collection to DNA Profile. <i>Analytical Chemistry</i> , 2010, 82, 6991-6999.	6.5	107
14	Dynamic AFM in Liquids: Viscous Damping and Applications to the Study of Confined Liquids. <i>Nanoscience and Technology</i> , 2009, , 149-164.	1.5	1
15	Abstract C70: Rapid viscosityâ€”based diagnostic for hyperviscosity in leukemia patients. , 2009, , .		0
16	Abstract C69: Elastic properties of highly metastatic cells using nanoâ€”capillary wrinkling. , 2009, , .		0
17	A compact LED-based module for DNA capillary electrophoresis. <i>Applied Physics B: Lasers and Optics</i> , 2008, 93, 693-699.	2.2	13
18	Direct Probing of Electrical Double Layers by Scanning Electrochemical Potential Microscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4620-4627.	3.1	29

#	ARTICLE	IF	CITATIONS
19	Enzymatic activity of immobilized yeast phosphoglycerate kinase. Biosensors and Bioelectronics, 2007, 22, 2449-2455.	10.1	2
20	Improved acoustic excitation of atomic force microscope cantilevers in liquids. Applied Physics Letters, 2006, 88, 163504.	3.3	49
21	Hydrodynamics of oscillating atomic force microscopy cantilevers in viscous fluids. Journal of Applied Physics, 2005, 97, 074907.	2.5	227
22	Scanning Electrochemical Microscopy #54. Application To The Study Of Heterogeneous Catalytic ReactionsHydrogen Peroxide Decomposition. Journal of Physical Chemistry B, 2005, 109, 9532-9539.	2.6	27
23	Second harmonic generation investigations of charge transfer at chemically-modified semiconductor interfaces. Journal of Applied Physics, 2002, 91, 4394-4398.	2.5	16