

Cedric Hurth

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

602
citations

840776

11
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamics of oscillating atomic force microscopy cantilevers in viscous fluids. <i>Journal of Applied Physics</i> , 2005, 97, 074907.	2.5	227
2	Integrated Microfluidic System for Rapid Forensic DNA Analysis: Sample Collection to DNA Profile. <i>Analytical Chemistry</i> , 2010, 82, 6991-6999.	6.5	107
3	Improved acoustic excitation of atomic force microscope cantilevers in liquids. <i>Applied Physics Letters</i> , 2006, 88, 163504.	3.3	49
4	An automated instrument for human STR identification: Design, characterization, and experimental validation. <i>Electrophoresis</i> , 2010, 31, 3510-3517.	2.4	30
5	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
6	Scanning Electrochemical Microscopy #54. Application To The Study Of Heterogeneous Catalytic ReactionsHydrogen Peroxide Decomposition. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9532-9539.	2.6	27
7	Identification of fluid and substrate chemistry based on automatic pattern recognition of stains. <i>Analytical Methods</i> , 2012, 4, 50-57.	2.7	20
8	Second harmonic generation investigations of charge transfer at chemically-modified semiconductor interfaces. <i>Journal of Applied Physics</i> , 2002, 91, 4394-4398.	2.5	16
9	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
10	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
11	A compact LED-based module for DNA capillary electrophoresis. <i>Applied Physics B: Lasers and Optics</i> , 2008, 93, 693-699.	2.2	13
12	An integratable microfluidic cartridge for forensic swab samples lysis. <i>Forensic Science International: Genetics</i> , 2014, 8, 147-158.	3.1	13
13	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
14	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
15	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
16	Clinical diagnostic of pleural effusions using a high-speed viscosity measurement method. <i>Journal of Applied Physics</i> , 2011, 110, 034701.	2.5	5
17	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
18	A tuneable array of unique steady-state microfluidic gradients. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12805.	2.8	3

#	ARTICLE	IF	CITATIONS
19	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
20	Enzymatic activity of immobilized yeast phosphoglycerate kinase. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2449-2455.	10.1	2
21	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
22	Abstract C70: Rapid viscosityâ€based diagnostic for hyperviscosity in leukemia patients. , 2009, , .		0
23	Abstract C69: Elastic properties of highly metastatic cells using nanoâ€capillary wrinkling. , 2009, , .		0