

Hsien-Chang Chang

List of Publications by Year in descending order

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27
papers

388
citations

840776

11
h-index

839539

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28
all docs

28
docs citations

28
times ranked

667
citing authors

#	ARTICLE	IF	CITATIONS
1	An AC electrokinetics-based electrochemical aptasensor for the rapid detection of microRNA-155. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113847.	10.1	12
2	Simple In-House Fabrication of Microwells for Generating Uniform Hepatic Multicellular Cancer Aggregates and Discovering Novel Therapeutics. <i>Materials</i> , 2019, 12, 3308.	2.9	8
3	In situ study of EDC/NHS immobilization on gold surface based on attenuated total reflection surface-enhanced infrared absorption spectroscopy (ATR-SEIRAS). <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 300-305.	5.0	36
4	Chemo-photothermal effects of doxorubicin/silica@carbon hollow spheres on liver cancer. <i>RSC Advances</i> , 2018, 8, 36775-36784.	3.6	14
5	Aptamer-based sensor for quantitative detection of mercury (II) ions by attenuated total reflection surface enhanced infrared absorption spectroscopy. <i>Analytica Chimica Acta</i> , 2018, 1033, 137-147.	5.4	30
6	A bead-based immunofluorescence-assay on a microfluidic dielectrophoresis platform for rapid dengue virus detection. <i>Biosensors and Bioelectronics</i> , 2017, 95, 174-180.	10.1	67
7	Dielectrophoresis System for Testing Antimicrobial Susceptibility of Gram-Negative Bacteria to β -Lactam Antibiotics. <i>Analytical Chemistry</i> , 2017, 89, 4635-4641.	6.5	22
8	The photothermal effect of silica@carbon hollow sphere@concanavalin A on liver cancer cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2447-2454.	5.8	12
9	Characterization of the elastic and viscoelastic properties of dentin by a nanoindentation creep test. <i>Journal of Biomechanics</i> , 2015, 48, 2155-2161.	2.1	30
10	A capillary dielectrophoretic chip for real-time blood cell separation from a drop of whole blood. <i>Biomicrofluidics</i> , 2013, 7, 24110.	2.4	42
11	Screening of Antibiotic Susceptibility to β -Lactam-Induced Elongation of Gram-Negative Bacteria Based on Dielectrophoresis. <i>Analytical Chemistry</i> , 2012, 84, 3347-3354.	6.5	46
12	Stepwise gray-scale light-induced electric field gradient for passive and continuous separation of microparticles. <i>Microfluidics and Nanofluidics</i> , 2012, 12, 95-105.	2.2	9
13	Precisely sized separation of multiple particles based on the dielectrophoresis gradient in the z-direction. <i>Microfluidics and Nanofluidics</i> , 2012, 12, 201-211.	2.2	14
14	Antibiotic susceptibility test based on the dielectrophoretic behavior of elongated <i>Escherichia coli</i> with cephalixin treatment. <i>Biomicrofluidics</i> , 2011, 5, 21102.	2.4	26
15	Continuous monitoring of histamine release from single KU-812 cell with an electrochemical cellular chip. , 2009, , .		0
16	USING IMPEDANCE-SENSING SYSTEM TO EVALUATE THE EFFECT OF WOUND HEALING BEHAVIOR ON CELLS TREATED BY VITAMIN C. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2009, 21, 445-448.	0.6	0
17	A novel SERS active particle with highly bio-organics absorption affinity for the description of bacteria fingerprint. , 2009, , .		0
18	Combining Raman scattering technique with dielectrophoresis chip for clinical isolates <i>Helicobacter pylori</i> analysis. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
19	Development and application of dielectrophoretic chip for rapid detection of food bacteria. , 2008, , .		0
20	Immunogold Nanoparticle Combing Surface-Enhanced Raman Scattering Method for Protein A Detection. , 2007, , .		0
21	Study on the Cell Mechanics of MDCK Cells by Elastic Micro-pillars Arrays. , 2007, , .		1
22	Manipulation of Bioparticles on Electrodeless Dielectrophoretic Chip Based on AC Electrokinetic Control. , 2007, , .		0
23	Study on the Gelsolin Effects in Oral Epithelia Carcinoma (OEC) Cells by Atomic Force Microscopy and Micro-pillars Arrays. , 2007, , .		0
24	Application of Conductometric Capillary Electrophoresis Microchip in Detect Organic and Inorganic Ions. , 2007, , .		0
25	Electrocatalytic Activity of Methanol Oxidation at a Boron-doped Diamond Electrode in Alkaline Solution. Journal of the Chinese Chemical Society, 2006, 53, 1269-1274.	1.4	2
26	Anodic Oxidation Behaviors of Formaldehyde at Boron-doped Diamond Electrodes. Journal of the Chinese Chemical Society, 2006, 53, 839-844.	1.4	7
27	EQCM Studies of Paraquat on Gold Electrode Modified with Electropolymerized Film. Electroanalysis, 1998, 10, 1275-1280.	2.9	7