

Wen-Hsin Hsieh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5763646/publications.pdf>

Version: 2024-02-01

19
papers

172
citations

1307594

7
h-index

1125743

13
g-index

20
all docs

20
docs citations

20
times ranked

216
citing authors

#	ARTICLE	IF	CITATIONS
1	A low cost, label-free biosensor based on a novel double-sided grating waveguide coupler with sub-surface cavities. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 371-380.	7.8	28
2	Calculation of temperature distributions in the rotors of oil-injected screw compressors. <i>International Journal of Thermal Sciences</i> , 2011, 50, 1271-1284.	4.9	26
3	Hydrodynamic focusing investigation in a micro-flow cytometer. <i>Biomedical Microdevices</i> , 2007, 9, 113-122.	2.8	25
4	Heat-transfer characteristics of aluminum-foam heat sinks with a solid aluminum core. <i>International Journal of Heat and Mass Transfer</i> , 2016, 97, 742-750.	4.8	25
5	DOE-FEM based design improvement to minimize thermal errors of a high speed spindle system. <i>Thermal Science and Engineering Progress</i> , 2018, 8, 525-536.	2.7	14
6	Measuring transport properties of cell membranes by a PDMS microfluidic device with controllability over changing rate of extracellular solution. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 28-34.	7.8	13
7	Absorbent-force-driven microflow cytometer. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 1078-1087.	7.8	10
8	Three-dimensional non-linear AC electro-osmotic flow induced by a face-to-face, asymmetric pair of planar electrodes. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 579-584.	2.2	6
9	Rapid and Highly Sensitive Detection of C-Reaction Protein Using Robust Self-Compensated Guided-Mode Resonance BioSensing System for Point-of-Care Applications. <i>Biosensors</i> , 2021, 11, 523.	4.7	6
10	Forced-convective vitrification with liquid cryogenes. <i>Cryobiology</i> , 2013, 66, 318-325.	0.7	5
11	Low cost, rapid fabrication of durable molds of grating arrays for nanoimprint lithography. <i>Microelectronic Engineering</i> , 2011, 88, 3062-3066.	2.4	4
12	Biosensors: On-chip SERS Detection of Single Bacterium Using Novel SERS Nanoprobes and A Microfluidic Dielectrophoresis Device (<i>Small</i> 22/2014). <i>Small</i> , 2014, 10, 4414-4414.	10.0	2
13	AC electroosmotic microconcentrator using a face-to-face, asymmetric electrode pair with expanded sections in the bottom electrode. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	2
14	A new double-sided grating coupled optical sensor using a cross-shaped microchannel for minimizing the dispersion effect. <i>Chemical Engineering Journal</i> , 2016, 302, 707-716.	12.7	2
15	A New Correlation Equation for Calculating the Frictional Torque of the Nut at Different Feed Velocities and Nut Temperatures. <i>International Journal of Precision Engineering and Manufacturing</i> , 2021, 22, 41-50.	2.2	2
16	A microflow cytometer chip driven by the absorbent force of on-chip superabsorbent materials. , 2013, , .		1
17	Exteriorâ€electrode electrically driven microconcentrator. <i>Electrophoresis</i> , 2018, 39, 2460-2470.	2.4	1
18	μ-TAS for label-free biosensing with double-sided grating waveguide. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Grating Coupler Biosensor with a Low Refractive Index Buffer Layer for Bulk and Surface Sensitivity Enhancements. , 2019, , .		0