Wen-Hsin Hsieh

List of Publications by Year
in descending order

19	172	1307594 7	1125743 13
papers	citations	h-index	g-index

20	20	20	216
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A New Correlation Equation for Calculating the Frictional Torque of the Nut at Different Feed Velocities and Nut Temperatures. International Journal of Precision Engineering and Manufacturing, 2021, 22, 41-50.	2.2	2
2	Rapid and Highly Sensitive Detection of C-Reaction Protein Using Robust Self-Compensated Guided-Mode Resonance BioSensing System for Point-of-Care Applications. Biosensors, 2021, 11, 523.	4.7	6
3	Grating Coupler Biosensor with a Low Refractive Index Buffer Layer for Bulk and Surface Sensitivity Enhancements. , 2019, , .		0
4	DOE-FEM based design improvement to minimize thermal errors of a high speed spindle system. Thermal Science and Engineering Progress, 2018, 8, 525-536.	2.7	14
5	Exteriorâ€electrode electrically driven microconcentrator. Electrophoresis, 2018, 39, 2460-2470.	2.4	1
6	AC electroosmotic microconcentrator using a face-to-face, asymmetric electrode pair with expanded sections in the bottom electrode. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	2
7	A new double-sided grating coupled optical sensor using a cross-shaped microchannel for minimizing the dispersion effect. Chemical Engineering Journal, 2016, 302, 707-716.	12.7	2
8	Heat-transfer characteristics of aluminum-foam heat sinks with a solid aluminum core. International Journal of Heat and Mass Transfer, 2016, 97, 742-750.	4.8	25
9	A low cost, label-free biosensor based on a novel double-sided grating waveguide coupler with sub-surface cavities. Sensors and Actuators B: Chemical, 2015, 206, 371-380.	7.8	28
10	Biosensors: Onâ€line SERS Detection of Single Bacterium Using Novel SERS Nanoprobes and A Microfluidic Dielectrophoresis Device (Small 22/2014). Small, 2014, 10, 4414-4414.	10.0	2
11	Absorbent-force-driven microflow cytometer. Sensors and Actuators B: Chemical, 2014, 202, 1078-1087.	7.8	10
12	Measuring transport properties of cell membranes by a PDMS microfluidic device with controllability over changing rate of extracellular solution. Sensors and Actuators B: Chemical, 2014, 197, 28-34.	7.8	13
13	Forced-convective vitrification with liquid cryogens. Cryobiology, 2013, 66, 318-325.	0.7	5
14	A microflow cytometer chip driven by the absorbent force of on-chip superabsorbent materials. , 2013, , .		1
15	μ-TAS for label-free biosensing with double-sided grating waveguide. , 2012, , .		0
16	Low cost, rapid fabrication of durable molds of grating arrays for nanoimprint lithography. Microelectronic Engineering, 2011, 88, 3062-3066.	2.4	4
17	Calculation of temperature distributions in the rotors of oil-injected screw compressors. International Journal of Thermal Sciences, 2011, 50, 1271-1284.	4.9	26
18	Three-dimensional non-linear AC electro-osmotic flow induced by a face-to-face, asymmetric pair of planar electrodes. Microfluidics and Nanofluidics, 2010, 9, 579-584.	2.2	6

#	Article	IF	Citations
19	Hydrodynamic focusing investigation in a micro-flow cytometer. Biomedical Microdevices, 2007, 9, 113-122.	2.8	25