

Hun Lee

List of Publications by Year in descending order

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18
papers

606
citations

516710

16
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

934
citing authors

#	ARTICLE	IF	CITATIONS
1	Vacuum-driven power-free microfluidics utilizing the gas solubility or permeability of polydimethylsiloxane (PDMS). <i>Lab on A Chip</i> , 2015, 15, 3962-3979.	6.0	117
2	Whole Blood Manganese Correlates with High Signal Intensities on T1-Weighted MRI in Patients with Liver Cirrhosis. <i>NeuroToxicology</i> , 2003, 24, 909-915.	3.0	62
3	Various On-Chip Sensors with Microfluidics for Biological Applications. <i>Sensors</i> , 2014, 14, 17008-17036.	3.8	52
4	Parallel synchronization of two trains of droplets using a railroad-like channel network. <i>Lab on A Chip</i> , 2011, 11, 3956.	6.0	43
5	A new fabrication process for uniform SU-8 thick photoresist structures by simultaneously removing edge bead and air bubbles. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 125006.	2.6	39
6	Fusion and sorting of two parallel trains of droplets using a railroad-like channel network and guiding tracks. <i>Lab on A Chip</i> , 2012, 12, 3936.	6.0	36
7	Continuous-flow in-droplet magnetic particle separation in a droplet-based microfluidic platform. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 613-623.	2.2	34
8	Droplet-based microfluidic device for multiple-droplet clustering. <i>Lab on A Chip</i> , 2012, 12, 725-730.	6.0	31
9	Droplet-based microfluidic washing module for magnetic particle-based assays. <i>Biomicrofluidics</i> , 2014, 8, 044113.	2.4	31
10	Effect of Manganese Exposure on MPTP Neurotoxicities. <i>NeuroToxicology</i> , 2003, 24, 657-665.	3.0	30
11	Effects of surface density and size of gold nanoparticles in a fiber-optic localized surface plasmon resonance sensor and its application to peptide detection. <i>Measurement Science and Technology</i> , 2010, 21, 085805.	2.6	30
12	Syringe-assisted point-of-care micropumping utilizing the gas permeability of polydimethylsiloxane. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 745-750.	2.2	23
13	Phaseguide-assisted blood separation microfluidic device for point-of-care applications. <i>Biomicrofluidics</i> , 2015, 9, 014106.	2.4	21
14	Guiding, distribution, and storage of trains of shape-dependent droplets. <i>Lab on A Chip</i> , 2011, 11, 3915.	6.0	20
15	cDNA Array Analysis of Gene Expression Profiles in Brain of Mice Exposed to Manganese. <i>Industrial Health</i> , 2004, 42, 315-320.	1.0	18
16	A Simple Method for Fabrication of Microstructures Using a PDMS Stamp. <i>Micromachines</i> , 2016, 7, 173.	2.9	17
17	Maximizing derivable information from cytologic specimens for pathologic and molecular diagnostics. <i>Journal of the American Society of Cytopathology</i> , 2015, 4, 141-147.	0.5	2
18	A journey of trains of droplets in droplet-based microfluidic devices. , 2014, 2014, 778-81.		0