

Wei-Feng Fang

List of Publications by Year in descending order

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18
papers

293
citations

1040056

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940533

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all docs

18
docs citations

18
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	The Visual Colorimetric Detection of Multi-nucleotide Polymorphisms on a Pneumatic Droplet Manipulation Platform. Journal of Visualized Experiments, 2016, , .	0.3	1
2	LCAT pump optimization for an integrated microfluidic droplet generator. Microfluidics and Nanofluidics, 2015, 18, 1265-1275.	2.2	13
3	LCAT pump optimization for an integrated microfluidic droplet generator. Microfluidics and Nanofluidics, 2015, 18, 1265-1275.	2.2	0
4	Colorimetric determination of DNA concentration and mismatches using hybridization-mediated growth of gold nanoparticle probes. Sensors and Actuators B: Chemical, 2014, 192, 77-82.	7.8	25
5	DNA diagnosis in a microseparator based on particle aggregation. Biosensors and Bioelectronics, 2013, 50, 8-13.	10.1	5
6	Droplets coalescence and mixing with identical and distinct surface tension on a wettability gradient surface. Microfluidics and Nanofluidics, 2013, 14, 785-795.	2.2	33
7	Fission and fusion of droplets in a 3-D crossing microstructure. Microfluidics and Nanofluidics, 2012, 13, 239-247.	2.2	9
8	Locally enhanced concentration and detection of oligonucleotides in a plug-based microfluidic device. Lab on A Chip, 2012, 12, 923.	6.0	20
9	Particle chain display “an optofluidic electronic paper. Lab on A Chip, 2012, 12, 4870.	6.0	7
10	Microflow synthesis of saccharide nucleoside diphosphate with cross-coupling reactions of monophosphate components. Chemical Engineering Journal, 2012, 198-199, 33-37.	12.7	5
11	Flash synthesis of carbohydrate derivatives in chaotic microreactors. Chemical Engineering Journal, 2011, 174, 421-424.	12.7	22
12	Analysis of chaos and FRET reaction in split-and-recombine microreactors. Microfluidics and Nanofluidics, 2011, 11, 339-352.	2.2	21
13	Characterization of microfluidic mixing and reaction in microchannels via analysis of cross-sectional patterns. Biomicrofluidics, 2011, 5, 014111.	2.4	11
14	Simultaneous measurement of concentrations and velocities of submicron species using multicolor imaging and microparticle image velocimetry. Biomicrofluidics, 2010, 4, 14109.	2.4	4
15	Enhanced mobile hybridization of gold nanoparticles decorated with oligonucleotide in microchannel devices. Lab on A Chip, 2010, 10, 2583.	6.0	9
16	A novel microreactor with 3D rotating flow to boost fluid reaction and mixing of viscous fluids. Sensors and Actuators B: Chemical, 2009, 140, 629-642.	7.8	58
17	Fluids mixing in devices with connected-groove channels. Chemical Engineering Science, 2008, 63, 1871-1881.	3.8	50
18	Separation of Amino Acids by Aqueous Two-Phase Electrophoresis on the Micro-Pillar Chips. , 2006, , .		0