

# Wei-Feng Fang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6979435/publications.pdf>

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18  
papers

293  
citations

1040056

9  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

400  
citing authors

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