

Ting-Wei Su

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36

papers

2,416

citations

20

h-index

45

g-index

45

ext. papers

2,997

ext. citations

4.5

avg, IF

4.79

L-index

#	Paper	IF	Citations
36	Imaging without lenses: achievements and remaining challenges of wide-field on-chip microscopy. <i>Nature Methods</i> , 2012 , 9, 889-95	21.6	315
35	Lensfree on-chip microscopy over a wide field-of-view using pixel super-resolution. <i>Optics Express</i> , 2010 , 18, 11181-91	3.3	265
34	Cost-effective and compact wide-field fluorescent imaging on a cell-phone. <i>Lab on A Chip</i> , 2011 , 11, 315-22	7.2	251
33	High-throughput lensfree 3D tracking of human sperms reveals rare statistics of helical trajectories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16018-22	11.5	230
32	Holographic pixel super-resolution in portable lensless on-chip microscopy using a fiber-optic array. <i>Lab on A Chip</i> , 2011 , 11, 1276-9	7.2	191
31	Lensfree holographic imaging for on-chip cytometry and diagnostics. <i>Lab on A Chip</i> , 2009 , 9, 777-87	7.2	171
30	High-throughput lens-free blood analysis on a chip. <i>Analytical Chemistry</i> , 2010 , 82, 4621-7	7.8	106
29	Lensless wide-field fluorescent imaging on a chip using compressive decoding of sparse objects. <i>Optics Express</i> , 2010 , 18, 10510-23	3.3	97
28	Increased space-bandwidth product in pixel super-resolved lensfree on-chip microscopy. <i>Scientific Reports</i> , 2013 , 3,	4.9	91
27	Compact and light-weight automated semen analysis platform using lensfree on-chip microscopy. <i>Analytical Chemistry</i> , 2010 , 82, 8307-12	7.8	88
26	Sperm trajectories form chiral ribbons. <i>Scientific Reports</i> , 2013 , 3, 1664	4.9	79
25	Wide field-of-view lens-free fluorescent imaging on a chip. <i>Lab on A Chip</i> , 2010 , 10, 824-7	7.2	68
24	High-throughput lensfree imaging and characterization of a heterogeneous cell solution on a chip. <i>Biotechnology and Bioengineering</i> , 2009 , 102, 856-868	4.9	60
23	Lensfree fluorescent on-chip imaging of transgenic <i>Caenorhabditis elegans</i> over an ultra-wide field-of-view. <i>PLoS ONE</i> , 2011 , 6, e15955	3.7	58
22	Automated single-cell motility analysis on a chip using lensfree microscopy. <i>Scientific Reports</i> , 2014 , 4, 4717	4.9	51
21	Multi-angle lensless digital holography for depth resolved imaging on a chip. <i>Optics Express</i> , 2010 , 18, 9690-711	3.3	49
20	Wide-field lensless fluorescent microscopy using a tapered fiber-optic faceplate on a chip. <i>Analyst, The</i> , 2011 , 136, 3512-8	5	42

19	Multi-color LUCAS: Lensfree On-chip Cytometry Using Tunable Monochromatic Illumination and Digital Noise Reduction. <i>Cellular and Molecular Bioengineering</i> , 2008 , 1, 146-156	3.9	35
18	Optoelectronic tweezers integrated with lensfree holographic microscopy for wide-field interactive cell and particle manipulation on a chip. <i>Lab on A Chip</i> , 2013 , 13, 2278-84	7.2	30
17	Lensfree On-Chip Microscopy and Tomography for Bio-Medical Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011 , 18, 1059-1072	3.8	29
16	Lensfree sensing on a microfluidic chip using plasmonic nanoapertures. <i>Applied Physics Letters</i> , 2010 , 97, 221107	3.4	20
15	Modern Trends in Imaging VIII: Lensfree Computational Microscopy Tools for Cell and Tissue Imaging at the Point-of-Care and in Low-Resource Settings. <i>Analytical Cellular Pathology</i> , 2012 , 35, 229-247	3.4	17
14	High-throughput analysis of horse spermsd3D swimming patterns using computational on-chip imaging. <i>Animal Reproduction Science</i> , 2016 , 169, 45-55	2.1	16
13	Lensfree on-chip imaging using nanostructured surfaces. <i>Applied Physics Letters</i> , 2010 , 96, 171106	3.4	12
12	Lensless on-chip imaging of cells provides a new tool for high-throughput cell-biology and medical diagnostics. <i>Journal of Visualized Experiments</i> , 2009 ,	1.6	11
11	19.1: LCD Visual Quality Analysis by Moving Picture Simulation. <i>Digest of Technical Papers SID International Symposium</i> , 2005 , 36, 1010	0.5	7
10	Lensfree computational microscopy tools for cell and tissue imaging at the point-of-care and in low-resource settings. <i>Analytical Cellular Pathology</i> , 2012 , 35, 229-47	3.4	7
9	Lensless fluorescent microscopy on a chip. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	3
8	Lensfree Imaging Cytometry and Diagnostics for Point-of-Care and Telemedicine Applications 2011 , 239-267		3
7	Lensfree Fluorescent On-Chip Imaging using Compressive Sampling. <i>Optics and Photonics News</i> , 2010 , 21, 27	1.9	2
6	Multi-angle LUCAS for high-throughput on-chip cytometry. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2008 , 2008, 1854-5	0.9	2
5	On-Chip Holographic Microscopy and its Application for Automated Semen Analysis 2013 , 153-171		2
4	Lensless fluorescent on-chip microscopy using a fiber-optic taper. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 5981-4	0.9	1
3	Portable and cost-effective pixel super-resolution on-chip microscope for telemedicine applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 8207-10	0.9	1
2	Lensfree Computational Microscopy Tools for On-Chip Imaging of Biochips 2013 , 71-96		1

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Lensfree On-Chip Fluorescence Microscopy for High-Throughput Imaging of Bio-Chips. *Lecture Notes in Electrical Engineering*, **2014**, 9-15

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