

Ting-Wei Su

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/11897645/ting-wei-su-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	High-throughput analysis of horse sperms 3D swimming patterns using computational on-chip imaging. <i>Animal Reproduction Science</i> , 2016 , 169, 45-55	2.1	16
35	Automated single-cell motility analysis on a chip using lensfree microscopy. <i>Scientific Reports</i> , 2014 , 4, 4717	4.9	51
34	Lensfree On-Chip Fluorescence Microscopy for High-Throughput Imaging of Bio-Chips. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 9-15	0.2	1
33	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
32	Increased space-bandwidth product in pixel super-resolved lensfree on-chip microscopy. <i>Scientific Reports</i> , 2013 , 3,	4.9	91
31	Sperm trajectories form chiral ribbons. <i>Scientific Reports</i> , 2013 , 3, 1664	4.9	79
30	Lensfree Computational Microscopy Tools for On-Chip Imaging of Biochips 2013 , 71-96		1
29	On-Chip Holographic Microscopy and its Application for Automated Semen Analysis 2013 , 153-171		2
28	Imaging without lenses: achievements and remaining challenges of wide-field on-chip microscopy. <i>Nature Methods</i> , 2012 , 9, 889-95	21.6	315
27	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
26	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
25	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
24	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
23	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
22	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
21	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
20	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

19	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
18	Lensless fluorescent microscopy on a chip. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	3
17	Wide-field lensless fluorescent microscopy using a tapered fiber-optic faceplate on a chip. <i>Analyst, The</i> , 2011 , 136, 3512-8	5	42
16	Lensfree Imaging Cytometry and Diagnostics for Point-of-Care and Telemedicine Applications 2011 , 239-267		3
15	Lensfree sensing on a microfluidic chip using plasmonic nanoapertures. <i>Applied Physics Letters</i> , 2010 , 97, 221107	3.4	20
14	Lensfree on-chip imaging using nanostructured surfaces. <i>Applied Physics Letters</i> , 2010 , 96, 171106	3.4	12
13	High-throughput lens-free blood analysis on a chip. <i>Analytical Chemistry</i> , 2010 , 82, 4621-7	7.8	106
12	Wide field-of-view lens-free fluorescent imaging on a chip. <i>Lab on A Chip</i> , 2010 , 10, 824-7	7.2	68
11	Multi-angle lensless digital holography for depth resolved imaging on a chip. <i>Optics Express</i> , 2010 , 18, 9690-711	3.3	49
10	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
9	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
8	Lensfree Fluorescent On-Chip Imaging using Compressive Sampling. <i>Optics and Photonics News</i> , 2010 , 21, 27	1.9	2
7	Compact and light-weight automated semen analysis platform using lensfree on-chip microscopy. <i>Analytical Chemistry</i> , 2010 , 82, 8307-12	7.8	88
6	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
5	Lensfree holographic imaging for on-chip cytometry and diagnostics. <i>Lab on A Chip</i> , 2009 , 9, 777-87	7.2	171
4	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
3	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
2	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

1 19.1: LCD Visual Quality Analysis by Moving Picture Simulation. *Digest of Technical Papers SID International Symposium*, **2005**, 36, 1010

0.5 7