Onur Mudanyali

List of Publications by Year
in descending order

		394421	677142
30 papers	**3,369** citations	**19** h-index	**22** g-index
30 all docs	**30** docs citations	**30** times ranked	**3140** citing authors

#	Article	IF	Citations
1	A Smartphone-Based Rapid Telemonitoring System for Ebola and Marburg Disease Surveillance. ACS Sensors, 2019, 4, 61-68.	7.8	23
2	Cellphone-based devices for bioanalytical sciences. Analytical and Bioanalytical Chemistry, 2014, 406, 3263-3277.	3.7	268
3	Automated single-cell motility analysis on a chip using lensfree microscopy. Scientific Reports, 2014, 4, 4717.	3.3	63
4	Optical Detection and Sizing of Single Nanoparticles Using Continuous Wetting Films. ACS Nano, 2013, 7, 7601-7609.	14.6	32
5	Optical imaging techniques for point-of-care diagnostics. Lab on A Chip, 2013, 13, 51-67.	6.0	320
6	Wide-field optical detection of nanoparticles using on-chip microscopy and self-assembled nanolenses. Nature Photonics, 2013, 7, 247-254.	31.4	133
7	Toward giga-pixel nanoscopy on a chip: a computational wide-field look at the nano-scale without the use of lenses. Lab on A Chip, 2013, 13, 2028.	6.0	52
8	Giga-pixel nanoimaging using computational on-chip microscopy. , 2013, , .		0
9	High-throughput Imaging of Single Viruses using Self-assembled Nano-lenses and On-Chip Holography. , 2013, , .		0
10	Lensfree Computational Microscopy Tools for On-Chip Imaging of Biochips. Biological and Medical Physics Series, 2013, , 71-96.	0.4	1
11	Self-Assembled Nanolens Formation for Widefield Computational Imaging of Nanoparticles on a Chip. , 2013, , .		0
12	Smart rapid diagnostics test reader running on a cell-phone for real-time mapping of epidemics. , 2012, , .		5
13	Lensfree On-Chip Microscopy and Tomography for Biomedical Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1059-1072.	2.9	38
14	Integrated rapid-diagnostic-test reader platform on a cellphone. Lab on A Chip, 2012, 12, 2678.	6.0	371
15	Imaging without lenses: achievements and remaining challenges of wide-field on-chip microscopy. Nature Methods, 2012, 9, 889-895.	19.0	461
16	Modern Trends in Imaging VIII: Lensfree Computational Microscopy Tools for Cell and Tissue Imaging at the Point-of-Care and in Low-Resource Settings. Analytical Cellular Pathology, 2012, 35, 229-247.	1.4	21
17	Compact and Cost-Effective Lensless Telemedicine Microscopy for Global Health Applications. , 2011, , .		1
18	Portable and cost-effective pixel super-resolution on-chip microscope for telemedicine applications. , 2011, 2011, 8207-10.		2

#	Article	IF	Citations
19	Holographic pixel super-resolution in portable lensless on-chip microscopy using a fiber-optic array. Lab on A Chip, 2011, 11, 1276.	6.0	238
20	Lensfree super-resolution holographic microscopy using wetting films on a chip. Optics Express, 2011, 19, 17378.	3.4	52
21	Field-Portable Lensless Holographic Microscope using Pixel Super-Resolution. , 2011, , .		1
22	Compact, light-weight and cost-effective microscope based on lensless incoherent holography for telemedicine applications. Lab on A Chip, 2010, 10, 1417.	6.0	420
23	Color and monochrome lensless on-chip imaging of Caenorhabditis elegans over a wide field-of-view. Lab on A Chip, 2010, 10, 1109.	6.0	52
24	High-Throughput Lens-Free Blood Analysis on a Chip. Analytical Chemistry, 2010, 82, 4621-4627.	6.5	127
25	Lensfree microscopy on a cellphone. Lab on A Chip, 2010, 10, 1787.	6.0	448
26	Detection of waterborne parasites using field-portable and cost-effective lensfree microscopy. Lab on A Chip, 2010, 10, 2419.	6.0	130
27	Lensfree Holographic Imaging of Antibody Microarrays for High-Throughput Detection of Leukocyte Numbers and Function. Analytical Chemistry, 2010, 82, 3736-3744.	6.5	88
28	Lensfree on-chip holography facilitates novel microscopy applications. SPIE Newsroom, 2010, , .	0.1	2
29	Lensless On-chip Imaging of Cells Provides a New Tool for High-throughput Cell-Biology and Medical Diagnostics. Journal of Visualized Experiments, 2009, , .	0.3	18
30	High-sensitivity, imaging-based immunoassay analysis for mobile applications. SPIE Newsroom, 0, , .	0.1	2