Ahmet F Coskun

List of Publications by Year
in descending order

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55 papers	4,421 citations	185998 28 h-index	214527 47 g-index
60 all docs	60 docs citations	60 times ranked	5372 citing authors

#	Article	IF	Citations
1	Single-cell in situ RNA profiling by sequential hybridization. Nature Methods, 2014, 11, 360-361.	9.0	724
2	Imaging without lenses: achievements and remaining challenges of wide-field on-chip microscopy. Nature Methods, 2012, 9, 889-895.	9.0	461
3	Lensfree on-chip microscopy over a wide field-of-view using pixel super-resolution. Optics Express, 2010, 18, 11181.	1.7	381
4	Optofluidic Fluorescent Imaging Cytometry on a Cell Phone. Analytical Chemistry, 2011, 83, 6641-6647.	3.2	365
5	Handheld high-throughput plasmonic biosensor using computational on-chip imaging. Light: Science and Applications, 2014, 3, e122-e122.	7.7	299
6	A personalized food allergen testing platform on a cellphone. Lab on A Chip, 2013, 13, 636-640.	3.1	243
7	Albumin testing in urine using a smart-phone. Lab on A Chip, 2013, 13, 4231.	3.1	180
8	Lensfree optofluidic plasmonic sensor for real-time and label-free monitoring of molecular binding events over a wide field-of-view. Scientific Reports, 2014, 4, 6789.	1.6	134
9	Wide-field optical detection of nanoparticles using on-chip microscopy and self-assembled nanolenses. Nature Photonics, 2013, 7, 247-254.	15.6	133
10	Lensless wide-field fluorescent imaging on a chip using compressive decoding of sparse objects. Optics Express, 2010, 18, 10510.	1.7	130
11	Increased space-bandwidth product in pixel super-resolved lensfree on-chip microscopy. Scientific Reports, 2013, 3, .	1.6	113
12	Smart-phone based computational microscopy using multi-frame contact imaging on a fiber-optic array. Lab on A Chip, 2013, 13, 4015.	3.1	103
13	3D-printed smartphone-based point of care tool for fluorescence- and magnetophoresis-based cytometry. Lab on A Chip, 2017, 17, 2839-2851.	3.1	99
14	Virtual and augmented reality for biomedical applications. Cell Reports Medicine, 2021, 2, 100348.	3.3	99
15	Wide field-of-view lens-free fluorescent imaging on a chip. Lab on A Chip, 2010, 10, 824.	3.1	84
16	Lensfree Fluorescent On-Chip Imaging of Transgenic Caenorhabditis elegans Over an Ultra-Wide Field-of-View. PLoS ONE, 2011, 6, e15955.	1.1	67
17	Dense transcript profiling in single cells by image correlation decoding. Nature Methods, 2016, 13, 657-660.	9.0	66
18	COVID-19 Diagnostics, Tools, and Prevention. Diagnostics, 2020, 10, 409.	1.3	62

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19	Wide-field lensless fluorescent microscopy using a tapered fiber-optic faceplate on a chip. Analyst, The, 2011, 136, 3512.	1.7	56
20	Multiplex bioimaging of single-cell spatial profiles for precision cancer diagnostics and therapeutics. Npj Precision Oncology, 2020, 4, 11.	2.3	53
21	Giga-Pixel Lensfree Holographic Microscopy and Tomography Using Color Image Sensors. PLoS ONE, 2012, 7, e45044.	1.1	52
22	High-throughput screening of large volumes of whole blood using structured illumination and fluorescent on-chip imaging. Lab on A Chip, 2012, 12, 4968.	3.1	50
23	Single-cell analysis reveals effective siRNA delivery in brain tumors with microbubble-enhanced ultrasound and cationic nanoparticles. Science Advances, 2021, 7, .	4.7	47
24	Computational imaging, sensing and diagnostics for global health applications. Current Opinion in Biotechnology, 2014, 25, 8-16.	3.3	38
25	Art on the Nanoscale and Beyond. Advanced Materials, 2016, 28, 1724-1742.	11.1	37
26	Spectral tuning of liquid microdroplets standing on a superhydrophobic surface using electrowetting. Applied Physics Letters, 2008, 92, .	1.5	36
27	Bioart. Trends in Biotechnology, 2015, 33, 724-734.	4.9	34
28	Subcellular localization of biomolecules and drug distribution by high-definition ion beam imaging. Nature Communications, 2021, 12, 4628.	5.8	33
29	Spatially resolved 3D metabolomic profiling in tissues. Science Advances, 2021, 7, .	4.7	29
30	Entrepreneurship. Lab on A Chip, 2015, 15, 3638-3660.	3.1	28
31	Spectral Demultiplexing in Holographic and Fluorescent On-chip Microscopy. Scientific Reports, 2014, 4, 3760.	1.6	25
32	Extracellular Matrix in Synthetic Hydrogelâ€Based Prostate Cancer Organoids Regulate Therapeutic Response to EZH2 and DRD2 Inhibitors. Advanced Materials, 2022, 34, e2100096.	11.1	24
33	Lensfree sensing on a microfluidic chip using plasmonic nanoapertures. Applied Physics Letters, 2010, 97, 221107.	1.5	22
34	Lensfree on-chip imaging using nanostructured surfaces. Applied Physics Letters, 2010, 96, 171106.	1.5	22
35	Cellular identity at the single-cell level. Molecular BioSystems, 2016, 12, 2965-2979.	2.9	17
36	Portable Multiplex Optical Assays. Advanced Optical Materials, 2019, 7, 1801109.	3.6	17

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37	Nanoscopic subcellular imaging enabled by ion beam tomography. Nature Communications, 2021, 12, 789.	5.8	9
38	Multiplex Spatial Bioimaging for Combination Therapy Design. Trends in Cancer, 2020, 6, 813-818.	3.8	7
39	Spatially visualized single-cell pathology of highly multiplexed protein profiles in health and disease. Communications Biology, 2021, 4, 632.	2.0	5
40	Cellular sociology regulates the hierarchical spatial patterning and organization of cells in organisms. Open Biology, 2020, 10, 200300.	1.5	5
41	Lensfree Fluorescent On-Chip Imaging Using Compressive Sampling. Optics and Photonics News, 2010, 21, 27.	0.4	4
42	Lensless Fluorescent Microscopy on a Chip. Journal of Visualized Experiments, 2011, , .	0.2	3
43	Digital posters for interactive cellular media and bioengineering education. Communications Biology, 2019, 2, 455.	2.0	3
44	Lensless fluorescent on-chip microscopy using a fiber-optic taper. , 2011, 2011, 5981-4.		2
45	Isotopically Encoded Nanotags for Multiplexed Ion Beam Imaging. Advanced Materials Technologies, 2020, 5, 2000098.	3.0	2
46	Cell-Phone Based Food Allergen Testing. , 2013, , .		1
47	Analysis of solid-state saturable absorbers with temperature dependent absorption cross-sections. Optical Materials, 2009, 31, 598-603.	1.7	0
48	Wide-field Lensless Fluorescent Imaging of Transgenic Caenorhabditis Elegans On a Chip. , 2011, , .		0
49	Enhanced space-bandwidth product in lensfree on-chip microscopy. , 2013, , .		0
50	High-throughput Imaging of Single Viruses using Self-assembled Nano-lenses and On-Chip Holography. , 2013, , .		0
51	Field-portable optofluidic plasmonic biosensor for wide-field and label-free monitoring of molecular interactions. , 2015, , .		0
52	Plasmonic Nano-Apertures for Lensfree On-chip Sensing. , 2011, , .		0
53	Self-Assembled Nanolens Formation for Widefield Computational Imaging of Nanoparticles on a Chip. , 2013, , .		0
54	High-throughput Lensfree Ion-Track Analysis for Laser-Driven Accelerators. , 2015, , .		0

#	Article	IF	Citations
55	Lab on a Cellphone. , 2017, , 43-61.		0