

Neil A Switz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4138314/publications.pdf>

Version: 2024-02-01

15
papers

2,477
citations

759055

12
h-index

996849

15
g-index

19
all docs

19
docs citations

19
times ranked

3151
citing authors

#	ARTICLE	IF	CITATIONS
1	Amplification-free detection of SARS-CoV-2 with CRISPR-Cas13a and mobile phone microscopy. <i>Cell</i> , 2021, 184, 323-333.e9.	13.5	613
2	Mobile Phone Based Clinical Microscopy for Global Health Applications. <i>PLoS ONE</i> , 2009, 4, e6320.	1.1	606
3	Measurement of small forces using an optical trap. <i>Review of Scientific Instruments</i> , 1994, 65, 2762-2768.	0.6	208
4	Low-Cost Mobile Phone Microscopy with a Reversed Mobile Phone Camera Lens. <i>PLoS ONE</i> , 2014, 9, e95330.	1.1	189
5	Point-of-care quantification of blood-borne filarial parasites with a mobile phone microscope. <i>Science Translational Medicine</i> , 2015, 7, 286re4.	5.8	184
6	Quantitative Imaging with a Mobile Phone Microscope. <i>PLoS ONE</i> , 2014, 9, e96906.	1.1	166
7	Accelerated RNA detection using tandem CRISPR nucleases. <i>Nature Chemical Biology</i> , 2021, 17, 982-988.	3.9	135
8	Multi-Contrast Imaging and Digital Refocusing on a Mobile Microscope with a Domed LED Array. <i>PLoS ONE</i> , 2015, 10, e0124938.	1.1	82
9	Cellular softening mediates leukocyte demargination and trafficking, thereby increasing clinical blood counts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1987-1992.	3.3	82
10	A Smartphone-Based Tool for Rapid, Portable, and Automated Wide-Field Retinal Imaging. <i>Translational Vision Science and Technology</i> , 2018, 7, 21.	1.1	66
11	Mobile Digital Fluorescence Microscopy for Diagnosis of Tuberculosis. <i>Journal of Clinical Microbiology</i> , 2013, 51, 1774-1778.	1.8	59
12	Automated Tuberculosis Diagnosis Using Fluorescence Images from a Mobile Microscope. <i>Lecture Notes in Computer Science</i> , 2012, 15, 345-352.	1.0	40
13	Evaluation of mobile digital light-emitting diode fluorescence microscopy in Hanoi, Viet Nam. <i>International Journal of Tuberculosis and Lung Disease</i> , 2015, 19, 1068-1072.	0.6	6
14	Magnetic Penetration Depth Measurements and Inhomogeneity in YBa ₂ Cu ₃ O _{7-δ} Superconducting Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1990, 195, 333.	0.1	2
15	Computational CellScope: Multi-Contrast Imaging on a Smartphone-Based Microscope Using a Domed Programmable LED Array. , 2015, , .		0