

Lucien E Weiss

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2860298/publications.pdf>

Version: 2024-02-01

24
papers

1,733
citations

567281

15
h-index

610901

24
g-index

29
all docs

29
docs citations

29
times ranked

2364
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic cells with self-activating optogenetic proteins communicate with natural cells. Nature Communications, 2022, 13, 2328.	12.8	23
2	THY1-mediated mechanisms converge to drive YAP activation in skin homeostasis and repair. Nature Cell Biology, 2022, 24, 1049-1063.	10.3	12
3	3D printable diffractive optical elements by liquid immersion. Nature Communications, 2021, 12, 3067.	12.8	13
4	Automated Analysis of Fluorescence Kinetics in Single-Molecule Localization Microscopy Data Reveals Protein Stoichiometry. Journal of Physical Chemistry B, 2021, 125, 5716-5721.	2.6	7
5	Multiplexed PSF Engineering for Three-Dimensional Multicolor Particle Tracking. Nano Letters, 2021, 21, 5888-5895.	9.1	13
6	Microscopic scan-free surface profiling over extended axial ranges by point-spread-function engineering. Science Advances, 2020, 6, .	10.3	9
7	DeepSTORM3D: dense 3D localization microscopy and PSF design by deep learning. Nature Methods, 2020, 17, 734-740.	19.0	194
8	Three-dimensional localization microscopy in live flowing cells. Nature Nanotechnology, 2020, 15, 500-506.	31.5	37
9	VIPR: vectorial implementation of phase retrieval for fast and accurate microscopic pixel-wise pupil estimation. Optics Express, 2020, 28, 10179.	3.4	31
10	Revealing Nanoscale Morphology of the Primary Cilium Using Super-Resolution Fluorescence Microscopy. Biophysical Journal, 2019, 116, 319-329.	0.5	21
11	Multicolor localization microscopy and point-spread-function engineering by deep learning. Optics Express, 2019, 27, 6158.	3.4	87
12	Multicolor localization microscopy and point-spread-function engineering by deep learning. Optics Express, 2019, 27, 6147.	3.4	14
13	Ultrasensitive Refractometry <i>via</i> Supercritical Angle Fluorescence. ACS Nano, 2018, 12, 11892-11898.	14.6	16
14	Deep-STORM: super-resolution single-molecule microscopy by deep learning. Optica, 2018, 5, 458.	9.3	430
15	Observing DNA in live cells. Biochemical Society Transactions, 2018, 46, 729-740.	3.4	41
16	Experimental Demonstration of Sparsity-Based Single-Shot Fluorescence Imaging at Sub-wavelength Resolution. , 2017, , .		1
17	Delayed emergence of subdiffraction-sized mutant huntingtin fibrils following inclusion body formation. Quarterly Reviews of Biophysics, 2016, 49, e2.	5.7	39
18	Multicolour localization microscopy by point-spread-function engineering. Nature Photonics, 2016, 10, 590-594.	31.4	128

#	ARTICLE	IF	CITATIONS
19	Single-molecule imaging of Hedgehog pathway protein Smoothed in primary cilia reveals binding events regulated by Patched1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8320-8325.	7.1	89
20	Precise Three-Dimensional Scan-Free Multiple-Particle Tracking over Large Axial Ranges with Tetrapod Point Spread Functions. Nano Letters, 2015, 15, 4194-4199.	9.1	210
21	Robust hypothesis tests for detecting statistical evidence of two-dimensional and three-dimensional interactions in single-molecule measurements. Physical Review E, 2014, 89, 052705.	2.1	7
22	Cellular Inclusion Bodies of Mutant Huntingtin Exon 1 Obscure Small Fibrillar Aggregate Species. Scientific Reports, 2012, 2, 895.	3.3	74
23	Flexible electrical recording from cells using nanowire transistor arrays. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7309-7313.	7.1	206
24	Engineering motility as a phenotypic response to LuxI/Rà€-dependent quorum sensing in <i>Escherichia coli</i>. Biotechnology and Bioengineering, 2008, 100, 1251-1255.	3.3	27