Peter Kner

List of Publications by Year
in descending order

27	3,219	471509 17	713466 21
papers	citations	h-index	g-index

30	30	30	3931
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Subdiffraction Multicolor Imaging of the Nuclear Periphery with 3D Structured Illumination Microscopy. Science, 2008, 320, 1332-1336.	12.6	1,016
2	Super-resolution video microscopy of live cells by structured illumination. Nature Methods, 2009, 6, 339-342.	19.0	679
3	Super-resolution 3D microscopy of live whole cells using structured illumination. Nature Methods, 2011, 8, 1044-1046.	19.0	462
4	Tubulin transport by IFT is upregulated during ciliary growth by a cilium-autonomous mechanism. Journal of Cell Biology, 2015, 208, 223-237.	5.2	184
5	A Differential Cargo-Loading Model of Ciliary Length Regulation by IFT. Current Biology, 2013, 23, 2463-2471.	3.9	163
6	Charge-Directed Immobilization of Bacteriophage on Nanostructured Electrode for Whole-Cell Electrochemical Biosensors. Analytical Chemistry, 2017, 89, 5734-5741.	6.5	105
7	IFT trains in different stages of assembly queue at the ciliary base for consecutive release into the cilium. ELife, 2017, 6, .	6.0	90
8	Multicolor 3D Super-resolution Imaging by Quantum Dot Stochastic Optical Reconstruction Microscopy. ACS Nano, 2015, 9, 2917-2925.	14.6	81
9	Adaptive optics stochastic optical reconstruction microscopy (AO-STORM) using a genetic algorithm. Optics Express, 2015, 23, 13677.	3.4	68
10	Single-particle imaging reveals intraflagellar transportâ€“independent transport and accumulation of EB1 inChlamydomonasflagella. Molecular Biology of the Cell, 2016, 27, 295-307.	2.1	56
11	Enhanced resolution through thick tissue with structured illumination and adaptive optics. Journal of Biomedical Optics, 2015, 20, 026006.	2.6	52
12	Roadmap on Recent Progress in FINCH Technology. Journal of Imaging, 2021, 7, 197.	3.0	51
13	Modelling the application of adaptive optics to wideâ€field microscope live imaging. Journal of Microscopy, 2007, 226, 33-42.	1.8	48
14	Adaptive optics stochastic optical reconstruction microscopy (AO-STORM) by particle swarm optimization. Biomedical Optics Express, 2017, 8, 5087.	2.9	30
15	Subcellular three-dimensional imaging deep through multicellular thick samples by structured illumination microscopy and adaptive optics. Nature Communications, 2021, 12, 3148.	12.8	25
16	Optical sectioning structured illumination microscopy with enhanced sensitivity. Journal of Optics (United Kingdom), 2013, 15, 094004.	2.2	24
17	Three-dimensional nanoscale localization of point-like objects using self-interference digital holography. Optics Letters, 2020, 45, 591.	3.3	18
18	Closed loop adaptive optics for microscopy without a wavefront sensor. , 2010, 7570, .		17

#	Article	IF	Citations
19	Characterization of wavefront errors in mouse cranial bone using second-harmonic generation. Journal of Biomedical Optics, 2017, 22, 036012.	2.6	17
20	Stripe artifact reduction for digital scanned structured illumination light sheet microscopy. Optics Letters, 2019, 44, 2510.	3.3	10
21	Fundamental precision bounds for three-dimensional optical localization microscopy using self-interference digital holography. Biomedical Optics Express, 2021, 12, 20.	2.9	9
22	Imaging neural events in zebrafish larvae with linear structured illumination light sheet fluorescence microscopy. Neurophotonics, 2019, 6, 1.	3.3	8
23	Imaging a seizure model in zebrafish with structured illumination light sheet microscopy. , 2018, , .		2
24	Sensorless Adaptive Optics for Light Sheet Microscopy. , 2020, , .		1
25	Imaging of In Vitro and In Vivo Neurons in Drosophila Using Stochastic Optical Reconstruction Microscopy. Current Protocols, 2021, 1, e203.	2.9	0
26	Three-dimensional super-resolution imaging with self-interference digital holography. , 2020, , .		0
27	25th Anniversary of STED Microscopy and the 20th Anniversary of SIM: feature introduction. Biomedical Optics Express, 2020, 11, 1707.	2.9	0