

# Peter Kner

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

3,219  
citations

471509

17  
h-index

713466

21  
g-index

30  
all docs

30  
docs citations

30  
times ranked

3931  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subcellular three-dimensional imaging deep through multicellular thick samples by structured illumination microscopy and adaptive optics. <i>Nature Communications</i> , 2021, 12, 3148.	12.8	25
2	Imaging of In Vitro and In Vivo Neurons in Drosophila Using Stochastic Optical Reconstruction Microscopy. <i>Current Protocols</i> , 2021, 1, e203.	2.9	0
3	Roadmap on Recent Progress in FINCH Technology. <i>Journal of Imaging</i> , 2021, 7, 197.	3.0	51
4	Fundamental precision bounds for three-dimensional optical localization microscopy using self-interference digital holography. <i>Biomedical Optics Express</i> , 2021, 12, 20.	2.9	9
5	Three-dimensional nanoscale localization of point-like objects using self-interference digital holography. <i>Optics Letters</i> , 2020, 45, 591.	3.3	18
6	Three-dimensional super-resolution imaging with self-interference digital holography. , 2020, , .		0
7	Sensorless Adaptive Optics for Light Sheet Microscopy. , 2020, , .		1
8	25th Anniversary of STED Microscopy and the 20th Anniversary of SIM: feature introduction. <i>Biomedical Optics Express</i> , 2020, 11, 1707.	2.9	0
9	Stripe artifact reduction for digital scanned structured illumination light sheet microscopy. <i>Optics Letters</i> , 2019, 44, 2510.	3.3	10
10	Imaging neural events in zebrafish larvae with linear structured illumination light sheet fluorescence microscopy. <i>Neurophotonics</i> , 2019, 6, 1.	3.3	8
11	Imaging a seizure model in zebrafish with structured illumination light sheet microscopy. , 2018, , .		2
12	Charge-Directed Immobilization of Bacteriophage on Nanostructured Electrode for Whole-Cell Electrochemical Biosensors. <i>Analytical Chemistry</i> , 2017, 89, 5734-5741.	6.5	105
13	Adaptive optics stochastic optical reconstruction microscopy (AO-STORM) by particle swarm optimization. <i>Biomedical Optics Express</i> , 2017, 8, 5087.	2.9	30
14	Characterization of wavefront errors in mouse cranial bone using second-harmonic generation. <i>Journal of Biomedical Optics</i> , 2017, 22, 036012.	2.6	17
15	IFT trains in different stages of assembly queue at the ciliary base for consecutive release into the cilium. <i>ELife</i> , 2017, 6, .	6.0	90
16	Single-particle imaging reveals intraflagellar transportâ€“independent transport and accumulation of EB1 in <i>Chlamydomonas</i> flagella. <i>Molecular Biology of the Cell</i> , 2016, 27, 295-307.	2.1	56
17	Tubulin transport by IFT is upregulated during ciliary growth by a cilium-autonomous mechanism. <i>Journal of Cell Biology</i> , 2015, 208, 223-237.	5.2	184
18	Enhanced resolution through thick tissue with structured illumination and adaptive optics. <i>Journal of Biomedical Optics</i> , 2015, 20, 026006.	2.6	52

#	ARTICLE	IF	CITATIONS
19	Multicolor 3D Super-resolution Imaging by Quantum Dot Stochastic Optical Reconstruction Microscopy. ACS Nano, 2015, 9, 2917-2925.	14.6	81
20	Adaptive optics stochastic optical reconstruction microscopy (AO-STORM) using a genetic algorithm. Optics Express, 2015, 23, 13677.	3.4	68
21	A Differential Cargo-Loading Model of Ciliary Length Regulation by IFT. Current Biology, 2013, 23, 2463-2471.	3.9	163
22	Optical sectioning structured illumination microscopy with enhanced sensitivity. Journal of Optics (United Kingdom), 2013, 15, 094004.	2.2	24
23	Super-resolution 3D microscopy of live whole cells using structured illumination. Nature Methods, 2011, 8, 1044-1046.	19.0	462
24	Closed loop adaptive optics for microscopy without a wavefront sensor. , 2010, 7570, .		17
25	Super-resolution video microscopy of live cells by structured illumination. Nature Methods, 2009, 6, 339-342.	19.0	679
26	Subdiffraction Multicolor Imaging of the Nuclear Periphery with 3D Structured Illumination Microscopy. Science, 2008, 320, 1332-1336.	12.6	1,016
27	Modelling the application of adaptive optics to wide-field microscope live imaging. Journal of Microscopy, 2007, 226, 33-42.	1.8	48