Wim Vandenberg

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5214404/publications.pdf

Version: 2024-02-01

25 papers	495 citations	687220 13 h-index	713332 21 g-index
32 all docs	32 docs citations	32 times ranked	606 citing authors

#	Article	IF	Citations
1	Expression-Enhanced Fluorescent Proteins Based on Enhanced Green Fluorescent Protein for Super-resolution Microscopy. ACS Nano, 2015, 9, 9528-9541.	7.3	82
2	Complementarity of PALM and SOFI for super-resolution live-cell imaging of focal adhesions. Nature Communications, 2016, 7, 13693.	5.8	77
3	Diffraction-unlimited imaging: from pretty pictures to hard numbers. Cell and Tissue Research, 2015, 360, 151-178.	1.5	43
4	SOFI Simulation Tool: A Software Package for Simulating and Testing Super-Resolution Optical Fluctuation Imaging. PLoS ONE, 2016, 11, e0161602.	1.1	41
5	Model-free uncertainty estimation in stochastical optical fluctuation imaging (SOFI) leads to a doubled temporal resolution. Biomedical Optics Express, 2016, 7, 467.	1.5	26
6	Live-cell monochromatic dual-label sub-diffraction microscopy by mt-pcSOFI. Chemical Communications, 2017, 53, 7242-7245.	2.2	26
7	Correcting for photodestruction in super-resolution optical fluctuation imaging. Scientific Reports, 2017, 7, 10470.	1.6	26
8	SOFIevaluator: a strategy for the quantitative quality assessment of SOFI data. Biomedical Optics Express, 2020, 11, 636.	1.5	22
9	Quantitative comparison of camera technologies for cost-effective super-resolution optical fluctuation imaging (SOFI). JPhys Photonics, 2019, 1, 044001.	2.2	21
10	Simultaneous readout of multiple FRET pairs using photochromism. Nature Communications, 2021, 12, 2005.	5.8	19
11	Reduced Fluorescent Protein Switching Fatigue by Binding-Induced Emissive State Stabilization. International Journal of Molecular Sciences, 2017, 18, 2015.	1.8	18
12	Absolute measurement of cellular activities using photochromic single-fluorophore biosensors and intermittent quantification. Nature Communications, 2022, 13, 1850.	5.8	16
13	An extended quantitative model for super-resolution optical fluctuation imaging (SOFI). Optics Express, 2019, 27, 25749.	1.7	15
14	Effect of probe diffusion on the SOFI imaging accuracy. Scientific Reports, 2017, 7, 44665.	1.6	14
15	Design of experiments for the optimization of SOFI super-resolution microscopy imaging. Biomedical Optics Express, 2021, 12, 2617.	1.5	9
16	Spatio-temporal correlation super-resolution optical fluctuation imaging. Europhysics Letters, 2019, 125, 20005.	0.7	7
17	Structureâ€“Function Dataset Reveals Environment Effects within a Fluorescent Protein Model System**. Angewandte Chemie - International Edition, 2021, 60, 10073-10081.	7.2	7
18	Self-contained and modular structured illumination microscope. Biomedical Optics Express, 2021, 12, 4414.	1.5	5

#	Article	IF	Citations
19	Separation of spectrally overlapping fluorophores using intra-exposure excitation modulation. Biophysical Reports, 2021, 1, 100026.	0.7	5
20	Fluorophore unmixing based on bleaching and recovery kinetics using MCR-ALS. Talanta, 2021, 226, 122117.	2.9	4
21	Smoothness correction for better SOFI imaging. Scientific Reports, 2021, 11, 7569.	1.6	3
22	Model-free pixelation correction in SOFI imaging. OSA Continuum, 2021, 4, 77.	1.8	3
23	Structureâ€“Function Dataset Reveals Environment Effects within a Fluorescent Protein Model System**. Angewandte Chemie, 2021, 133, 10161-10169.	1.6	2
24	Photochromic Fluorophores Enable Imaging of Lowly Expressed Proteins in the Autofluorescent Fungus Candida albicans. MSphere, 2021, 6, .	1.3	1
25	Expression-Enhanced Fluorescent Proteins Based on EGFP for Super-Resolution Microscopy. Biophysical Journal, 2016, 110, 484a.	0.2	0