Wim Vandenberg

List of Publications by Year in Descending Order

25 papers	337 citations	10 h-index	18 g-index
32 ext. papers	439 ext. citations	6.4 avg, IF	3.69 L-index

#	Paper	IF	Citations
25	Absolute measurement of cellular activities using photochromic single-fluorophore biosensors and intermittent quantification.. *Nature Communications*, **2022**, 13, 1850	17.4	1
24	Model-free pixelation correction in SOFI imaging. *OSA Continuum*, **2021**, 4, 77	1.4	2
23	Structure-Function Dataset Reveals Environment Effects within a Fluorescent Protein Model System*. *Angewandte Chemie - International Edition*, **2021**, 60, 10073-10081	16.4	4
22	Structure-Function Dataset Reveals Environment Effects within a Fluorescent Protein Model System**. *Angewandte Chemie*, **2021**, 133, 10161-10169	3.6	1
21	Simultaneous readout of multiple FRET pairs using photochromism. *Nature Communications*, **2021**, 12, 2005	17.4	7
20	Photochromic Fluorophores Enable Imaging of Lowly Expressed Proteins in the Autofluorescent Fungus Candida albicans. *MSphere*, **2021**, 6,	5	1
19	Design of experiments for the optimization of SOFI super-resolution microscopy imaging. *Biomedical Optics Express*, **2021**, 12, 2617-2630	3.5	3
18	Smoothness correction for better SOFI imaging. *Scientific Reports*, **2021**, 11, 7569	4.9	2
17	Fluorophore unmixing based on bleaching and recovery kinetics using MCR-ALS. *Talanta*, **2021**, 226, 122117	6.7	4
16	Self-contained and modular structured illumination microscope. *Biomedical Optics Express*, **2021**, 12, 4414-4422	3.5	2
15	Separation of spectrally overlapping fluorophores using intra-exposure excitation modulation. *Biophysical Reports*, **2021**, 100026		2
14	SOFIevaluator: a strategy for the quantitative quality assessment of SOFI data. *Biomedical Optics Express*, **2020**, 11, 636-648	3.5	10
13	Quantitative comparison of camera technologies for cost-effective super-resolution optical fluctuation imaging (SOFI). *JPhys Photonics*, **2019**, 1, 044001	2.5	14
12	Spatio-temporal correlation super-resolution optical fluctuation imaging. *Europhysics Letters*, **2019**, 125, 20005	1.6	5
11	An extended quantitative model for super-resolution optical fluctuation imaging (SOFI). *Optics Express*, **2019**, 27, 25749-25766	3.3	9
10	Live-cell monochromatic dual-label sub-diffraction microscopy by mt-pcSOFI. *Chemical Communications*, **2017**, 53, 7242-7245	5.8	18
9	Effect of probe diffusion on the SOFI imaging accuracy. *Scientific Reports*, **2017**, 7, 44665	4.9	14

List of Publications

8	Reduced Fluorescent Protein Switching Fatigue by Binding-Induced Emissive State Stabilization. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	13
7	Correcting for photodestruction in super-resolution optical fluctuation imaging. *Scientific Reports*, **2017**, 7, 10470	4.9	22
6	SOFI Simulation Tool: A Software Package for Simulating and Testing Super-Resolution Optical Fluctuation Imaging. *PLoS ONE*, **2016**, 11, e0161602	3.7	21
5	Model-free uncertainty estimation in stochastical optical fluctuation imaging (SOFI) leads to a doubled temporal resolution. *Biomedical Optics Express*, **2016**, 7, 467-80	3.5	24
4	Complementarity of PALM and SOFI for super-resolution live-cell imaging of focal adhesions. *Nature Communications*, **2016**, 7, 13693	17.4	54
3	Diffraction-unlimited imaging: from pretty pictures to hard numbers. *Cell and Tissue Research*, **2015**, 360, 151-78	4.2	38
2	Expression-Enhanced Fluorescent Proteins Based on Enhanced Green Fluorescent Protein for Super-resolution Microscopy. *ACS Nano*, **2015**, 9, 9528-41	16.7	64
1	Quantitative comparison of camera technologies for cost-effective Super-resolution Optical Fluctuation Imaging (SOFI)		1