Giorgio Tortarolo

List of Publications by Year
in descending order

21	598	932766 10	940134 16
papers	citations	h-index	g-index

29	29	29	557
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PRRT2 modulates presynaptic Ca2+ influx by interacting with P/Q-type channels. Cell Reports, 2021, 35, 109248.	2.9	15
2	Pixel reassignment in image scanning microscopy with a doughnut beam: example of maximum likelihood restoration. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 1075.	0.8	4
3	Cooled SPAD array detector for low light-dose fluorescence laser scanning microscopy. Biophysical Reports, 2021, 1, 100025.	0.7	7
4	Super-Resolution Imaging through Laser-Scanning Microscopy. , 2021, , 1-28.		0
5	Time-Resolved STED Microscopy with Single-Photon Detector Array: a Perfect Synergy. , 2021, , .		0
6	Improving SPLIT-STED super-resolution imaging with tunable depletion and excitation power. Journal Physics D: Applied Physics, 2020, 53, 234003.	1.3	13
7	Two-photon image-scanning microscopy with SPAD array and blind image reconstruction. Biomedical Optics Express, 2020, 11, 2905.	1.5	33
8	Pixel reassignment in image scanning microscopy: a re-evaluation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 154.	0.8	31
9	Image scanning microscopy with multiphoton excitation or Bessel beam illumination. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 1639.	0.8	11
10	SPAD-based asynchronous-readout array detectors for image-scanning microscopy. Optica, 2020, 7, 755.	4.8	37
11	Fourier ring correlation simplifies image restoration in fluorescence microscopy. Nature Communications, 2019, 10, 3103.	5.8	94
12	Photon-separation to enhance the spatial resolution of pulsed STED microscopy. Nanoscale, 2019, 11, 1754-1761.	2.8	38
13	A robust and versatile platform for image scanning microscopy enabling super-resolution FLIM. Nature Methods, 2019, 16, 175-178.	9.0	132
14	Efficient two-photon excitation stimulated emission depletion nanoscope exploiting spatiotemporal information. Neurophotonics, 2019, 6, 1.	1.7	12
15	The SPLIT approach for enhancing the spatial resolution in pulsed STED microscopy with FastFLIM and phasor plots. , 2019, , .		1
16	Evaluating image resolution in stimulated emission depletion microscopy. Optica, 2018, 5, 32.	4.8	84
17	Image scanning microscopy (ISM) with a single photon avalanche diode (SPAD) array detector. , 2018, , .		1
18	Improving multiphoton STED nanoscopy with separation of photons by LIfetime Tuning (SPLIT). , 2018, , .		1

#	Article	IF	Citations
19	A novel pulsed STED microscopy method using FastFLIM and the phasor plots. Proceedings of SPIE, 2017, , .	0.8	4
20	Image formation in image scanning microscopy, including the case of two-photon excitation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1339.	0.8	39
21	Gated-sted microscopy with subnanosecond pulsed fiber laser for reducing photobleaching. Microscopy Research and Technique, 2016, 79, 785-791.	1.2	27