

Giorgio Tortarolo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

598
citations

932766

10
h-index

940134

16
g-index

29
all docs

29
docs citations

29
times ranked

557
citing authors

#	ARTICLE	IF	CITATIONS
1	A robust and versatile platform for image scanning microscopy enabling super-resolution FLIM. <i>Nature Methods</i> , 2019, 16, 175-178.	9.0	132
2	Fourier ring correlation simplifies image restoration in fluorescence microscopy. <i>Nature Communications</i> , 2019, 10, 3103.	5.8	94
3	Evaluating image resolution in stimulated emission depletion microscopy. <i>Optica</i> , 2018, 5, 32.	4.8	84
4	Image formation in image scanning microscopy, including the case of two-photon excitation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017, 34, 1339.	0.8	39
5	Photon-separation to enhance the spatial resolution of pulsed STED microscopy. <i>Nanoscale</i> , 2019, 11, 1754-1761.	2.8	38
6	SPAD-based asynchronous-readout array detectors for image-scanning microscopy. <i>Optica</i> , 2020, 7, 755.	4.8	37
7	Two-photon image-scanning microscopy with SPAD array and blind image reconstruction. <i>Biomedical Optics Express</i> , 2020, 11, 2905.	1.5	33
8	Pixel reassignment in image scanning microscopy: a re-evaluation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, 154.	0.8	31
9	Gated-sted microscopy with subnanosecond pulsed fiber laser for reducing photobleaching. <i>Microscopy Research and Technique</i> , 2016, 79, 785-791.	1.2	27
10	PRRT2 modulates presynaptic Ca ²⁺ influx by interacting with P/Q-type channels. <i>Cell Reports</i> , 2021, 35, 109248.	2.9	15
11	Improving SPLIT-STED super-resolution imaging with tunable depletion and excitation power. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 234003.	1.3	13
12	Efficient two-photon excitation stimulated emission depletion nanoscope exploiting spatiotemporal information. <i>Neurophotonics</i> , 2019, 6, 1.	1.7	12
13	Image scanning microscopy with multiphoton excitation or Bessel beam illumination. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, 1639.	0.8	11
14	Cooled SPAD array detector for low light-dose fluorescence laser scanning microscopy. <i>Biophysical Reports</i> , 2021, 1, 100025.	0.7	7
15	A novel pulsed STED microscopy method using FastFLIM and the phasor plots. <i>Proceedings of SPIE</i> , 2017, , .	0.8	4
16	Pixel reassignment in image scanning microscopy with a doughnut beam: example of maximum likelihood restoration. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021, 38, 1075.	0.8	4
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	The SPLIT approach for enhancing the spatial resolution in pulsed STED microscopy with FastFLIM and phasor plots. , 2019, , .		1
20	Super-Resolution Imaging through Laser-Scanning Microscopy. , 2021, , 1-28.		0
21	Time-Resolved STED Microscopy with Single-Photon Detector Array: a Perfect Synergy. , 2021, , .		0