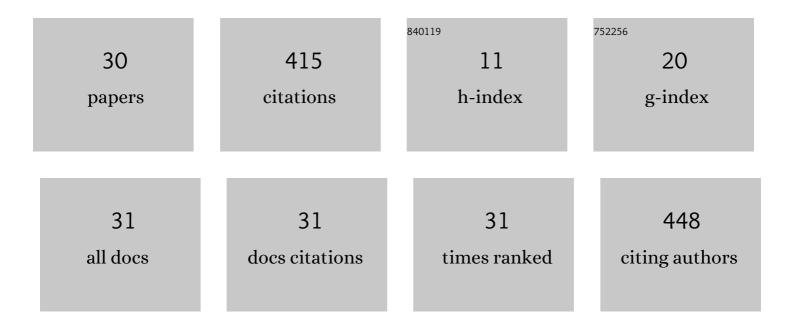
IvÃ;n Coto HernÃ;ndez

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Encoding and decoding spatio-temporal information for super-resolution microscopy. Nature Communications, 2015, 6, 6701.	5.8	95
2	Gated CW-STED microscopy: A versatile tool for biological nanometer scale investigation. Methods, 2014, 66, 124-130.	1.9	60
3	A new filtering technique for removing anti‣tokes emission background in gated CW‣TED microscopy. Journal of Biophotonics, 2014, 7, 376-380.	1.1	36
4	Gated-sted microscopy with subnanosecond pulsed fiber laser for reducing photobleaching. Microscopy Research and Technique, 2016, 79, 785-791.	1.2	27
5	Two-Photon Excitation STED Microscopy with Time-Gated Detection. Scientific Reports, 2016, 6, 19419.	1.6	27
6	Gated STED microscopy with time-gated single-photon avalanche diode. Biomedical Optics Express, 2015, 6, 2258.	1.5	26
7	Removal of anti-Stokes emission background in STED microscopy by FPGA-based synchronous detection. Review of Scientific Instruments, 2017, 88, 053701.	0.6	25
8	Fluorescent Reporter Mice for Nerve Guidance Conduit Assessment: A Highâ€Throughput in vivo Model. Laryngoscope, 2018, 128, E386-E392.	1.1	18
9	A Rapid Protocol for Intraoperative Assessment of Peripheral Nerve Myelinated Axon Count and Its Application to Cross-Facial Nerve Grafting. Plastic and Reconstructive Surgery, 2019, 143, 771-778.	0.7	16
10	Influence of laser intensity noise on gated CW-STED microscopy. Laser Physics Letters, 2014, 11, 095603.	0.6	14
11	Chromium, Cobalt and Nickel Contents in Urban Soils of Moa, Northeastern Cuba. Bulletin of Environmental Contamination and Toxicology, 2011, 86, 189-193.	1.3	13
12	Efficient two-photon excitation stimulated emission depletion nanoscope exploiting spatiotemporal information. Neurophotonics, 2019, 6, 1.	1.7	12
13	Labelâ€free histomorphometry of peripheral nerve by stimulated Raman spectroscopy. Muscle and Nerve, 2020, 62, 137-142.	1.0	11
14	Stain-Free Resolution of Unmyelinated Axons in Transgenic Mice Using Fluorescence Microscopy. Journal of Neuropathology and Experimental Neurology, 2019, 78, 1178-1180.	0.9	10
15	Supercritical angle fluorescence for enhanced axial sectioning in STED microscopy. Methods, 2020, 174, 20-26.	1.9	7
16	Implantable wireless device for study of entrapment neuropathy. Journal of Neuroscience Methods, 2020, 329, 108461.	1.3	3
17	Two-photon excitation fluorescent spectral and decay properties of retrograde neuronal tracer Fluoro-Gold. Scientific Reports, 2021, 11, 18053.	1.6	3
18	Gamma radiation effects on molecular characteristic of vegetable tannins. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 1787-1792.	0.7	2

#	Article	IF	CITATIONS
19	The Importance of Photon Arrival Times in STED Microscopy. Springer Series on Fluorescence, 2014, , 283-301.	0.8	2
20	Theoretical study of laser intensity noise effect on CW-STED microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, 702.	0.8	2
21	STED Microscopy with Time-Gated Detection:Benefits and Limitations. Biophysical Journal, 2013, 104, 667a-668a.	0.2	1
22	A New Efficient Implementation of 2PE-STED Microscopy. Biophysical Journal, 2014, 106, 605a.	0.2	1
23	A Novel STED Microscope with Nanometer Axial Sectioning. Biophysical Journal, 2017, 112, 140a-141a.	0.2	1
24	Improving multiphoton STED nanoscopy with separation of photons by Lifetime Tuning (SPLIT). , 2018, , .		1
25	Multiharmonic Imaging of Human Peripheral Nerves using a 1300 nm Ultrafast Fiber Laser. , 2020, , .		1
26	Automated stain-free histomorphometry of peripheral nerve by contrast-enhancing techniques and artificial intelligence. Journal of Neuroscience Methods, 2022, 375, 109598.	1.3	1
27	Characterization of Scattering Effects in Phantom Samples using Single and Two-Photon Excitation Light Sheet Microscopy. Biophysical Journal, 2012, 102, 195a-196a.	0.2	0
28	Background-Free Super-Resolution Microscopy of Subcellular Structures by Lifetime Tuning and Photons Separation. Biophysical Journal, 2015, 108, 359a.	0.2	0
29	The importance of the photon arrival times in STED microscopy. Proceedings of SPIE, 2015, , .	0.8	0
30	Advances in Gated CW STED Microscopy: Toward a Versatile Implementation. Biophysical Journal, 2016, 110, 162a.	0.2	0