IvÃ¡n Coto HernÃ¡ndez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8910005/publications.pdf

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30	415	840119 11	752256 20
papers	citations	h-index	g-index

31	31	31	448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Automated stain-free histomorphometry of peripheral nerve by contrast-enhancing techniques and artificial intelligence. Journal of Neuroscience Methods, 2022, 375, 109598.	1.3	1
3	Two-photon excitation fluorescent spectral and decay properties of retrograde neuronal tracer Fluoro-Gold. Scientific Reports, 2021, 11, 18053.	1.6	3
4	Supercritical angle fluorescence for enhanced axial sectioning in STED microscopy. Methods, 2020, 174, 20-26.	1.9	7
5	Implantable wireless device for study of entrapment neuropathy. Journal of Neuroscience Methods, 2020, 329, 108461.	1.3	3
6	Labelâ€free histomorphometry of peripheral nerve by stimulated Raman spectroscopy. Muscle and Nerve, 2020, 62, 137-142.	1.0	11
7	Multiharmonic Imaging of Human Peripheral Nerves using a 1300 nm Ultrafast Fiber Laser. , 2020, , .		1
8	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
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	Efficient two-photon excitation stimulated emission depletion nanoscope exploiting spatiotemporal information. Neurophotonics, 2019, 6, 1.	1.7	12
11	Fluorescent Reporter Mice for Nerve Guidance Conduit Assessment: A Highâ€Throughput in vivo Model. Laryngoscope, 2018, 128, E386-E392.	1.1	18
12	Improving multiphoton STED nanoscopy with separation of photons by LIfetime Tuning (SPLIT). , 2018, , .		1
13	A Novel STED Microscope with Nanometer Axial Sectioning. Biophysical Journal, 2017, 112, 140a-141a.	0.2	1
14	Removal of anti-Stokes emission background in STED microscopy by FPGA-based synchronous detection. Review of Scientific Instruments, 2017, 88, 053701.	0.6	25
15	Gated-sted microscopy with subnanosecond pulsed fiber laser for reducing photobleaching. Microscopy Research and Technique, 2016, 79, 785-791.	1.2	27
16	Two-Photon Excitation STED Microscopy with Time-Gated Detection. Scientific Reports, 2016, 6, 19419.	1.6	27
17	Advances in Gated CW STED Microscopy: Toward a Versatile Implementation. Biophysical Journal, 2016, 110, 162a.	0.2	0
18	Background-Free Super-Resolution Microscopy of Subcellular Structures by Lifetime Tuning and Photons Separation. Biophysical Journal, 2015, 108, 359a.	0.2	0

#	Article	IF	Citations
19	The importance of the photon arrival times in STED microscopy. Proceedings of SPIE, 2015, , .	0.8	0
20	Encoding and decoding spatio-temporal information for super-resolution microscopy. Nature Communications, 2015, 6, 6701.	5.8	95
21	Gated STED microscopy with time-gated single-photon avalanche diode. Biomedical Optics Express, 2015, 6, 2258.	1.5	26
22	Influence of laser intensity noise on gated CW-STED microscopy. Laser Physics Letters, 2014, 11, 095603.	0.6	14
23	Gamma radiation effects on molecular characteristic of vegetable tannins. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 1787-1792.	0.7	2
24	Gated CW-STED microscopy: A versatile tool for biological nanometer scale investigation. Methods, 2014, 66, 124-130.	1.9	60
25	A New Efficient Implementation of 2PE-STED Microscopy. Biophysical Journal, 2014, 106, 605a.	0.2	1
26	A new filtering technique for removing antiâ€Stokes emission background in gated CWâ€STED microscopy. Journal of Biophotonics, 2014, 7, 376-380.	1.1	36
27	The Importance of Photon Arrival Times in STED Microscopy. Springer Series on Fluorescence, 2014, , 283-301.	0.8	2
28	STED Microscopy with Time-Gated Detection:Benefits and Limitations. Biophysical Journal, 2013, 104, 667a-668a.	0.2	1
29	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
30	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