Andy K S Lau

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12082037/publications.pdf

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26	569	840776	1125743
papers	citations	11 h-index	13 g-index

28	28	28	562
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiâ€ATOM: Ultrahighâ€throughput singleâ€cell quantitative phase imaging with subcellular resolution. Journal of Biophotonics, 2019, 12, e201800479.	2.3	34
2	Optofluidic time-stretch imaging â€“ an emerging tool for high-throughput imaging flow cytometry. Lab on A Chip, 2016, 16, 1743-1756.	6.0	83
3	Ultrafast quantitative time-stretch imaging flow cytometry of phytoplankton. Proceedings of SPIE, 2016, , .	0.8	0
4	Optical Time Stretch for High-Speed and High-Throughput Imagingâ€"From Single-Cell to Tissue-Wide Scales. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 89-103.	2.9	14
5	Ultrafast Microfluidic Cellular Imaging by Optical Time-Stretch. Methods in Molecular Biology, 2016, 1389, 23-45.	0.9	5
6	Arbitrary two-dimensional spectrally encoded pattern generationâ€"a new strategy for high-speed patterned illumination imaging. Optica, 2015, 2, 1037.	9.3	22
7	High-throughput intrinsic single-cell phenotyping by quantitative asymmetric-detection time-stretch optical microscopy (Q-ATOM). , 2015, , .		0
8	28 MHz swept source at 10 Î¼m for ultrafast quantitative phase imaging. Biomedical Optics Express, 2015, 6, 3855.	2.9	24
9	Accelerated cell imaging and classification on FPGAs for quantitative-phase asymmetric-detection time-stretch optical microscopy. , 2015, , .		5
10	Optical time-stretch imaging flow cytometry of phytoplankton. , 2015, , .		1
11	High-throughput image-based single-cell analysis by ultrafast asymmetric-detection time-stretch optical microscopy. , 2015, , .		1
12	Versatile Laser and Optical Amplifier for Ultrafast Imaging Applications. , 2015, , .		0
13	Ultrafast swept source at 1.0 Î¼m for high-speed phase sensitive imaging. , 2015, , .		0
14	Breathing laser as an inertia-free swept source for high-quality ultrafast optical bioimaging. Optics Letters, 2014, 39, 6593.	3.3	58
15	Asymmetric-detection time-stretch optical microscopy (ATOM) for high-contrast and high-speed microfluidic cellular imaging. , 2014, , .		1
16	Broadband fiber-optical parametric amplification for ultrafast time-stretch imaging at 10â€‰â€‰Î¼m. Optics Letters, 2014, 39, 5989.	3.3	31
17	Interferometric time-stretch microscopy for ultrafast quantitative cellular and tissue imaging at 1ÂÎ¼m. Journal of Biomedical Optics, 2014, 19, 076001.	2.6	65
18	Coherent Laser Source for High Frame-Rate Optical Time-Stretch Microscopy at 1.0 Î¼m. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 384-389.	2.9	14

#	Article	IF	Citations
19	Asymmetric-detection time-stretch optical microscopy (ATOM) for ultrafast high-contrast cellular imaging in flow. Scientific Reports, 2014, 4, 3656.	3.3	83
20	Quantitative phase asymmetric-detection time-stretch optical microscopy (Q-ATOM) for ultrafast cellular imaging. , 2014, , .		0
21	Interferometric time-stretch microscopy for ultrafast quantitative cellular imaging at 1 Âµm. , 2013, , .		1
22	Ultrafast high-contrast microfluidic cellular imaging by asymmetric-detection time-stretch optical microscopy (ATOM). , 2013, , .		0
23	Megahertz-scan-rate quantitative tissue imaging by interferometric time-stretch microscopy. , 2013, , .		0
24	Ultrafast flow imaging by 1 Î¼m time-stretch microscopy. , 2013, , .		0
25	Optical time-stretch confocal microscopy at 1â€‰â€‰Î¼m. Optics Letters, 2012, 37, 3330.	3.3	126
26	Cost-effective approaches for high-resolution bioimaging by time-stretched confocal microscopy at 1μm. Proceedings of SPIE, 2012, , .	0.8	1