

Andy K S Lau

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

569
citations

840776

11
h-index

1125743

13
g-index

28
all docs

28
docs citations

28
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical time-stretch confocal microscopy at $1\ \mu\text{m}$. Optics Letters, 2012, 37, 3330.	3.3	126
2	Asymmetric-detection time-stretch optical microscopy (ATOM) for ultrafast high-contrast cellular imaging in flow. Scientific Reports, 2014, 4, 3656.	3.3	83
3	Optofluidic time-stretch imaging – an emerging tool for high-throughput imaging flow cytometry. Lab on A Chip, 2016, 16, 1743-1756.	6.0	83
4	Interferometric time-stretch microscopy for ultrafast quantitative cellular and tissue imaging at $1\ \mu\text{m}$. Journal of Biomedical Optics, 2014, 19, 076001.	2.6	65
5	Breathing laser as an inertia-free swept source for high-quality ultrafast optical bioimaging. Optics Letters, 2014, 39, 6593.	3.3	58
6	Multi-ATOM: Ultrahigh-throughput single-cell quantitative phase imaging with subcellular resolution. Journal of Biophotonics, 2019, 12, e201800479.	2.3	34
7	Broadband fiber-optical parametric amplification for ultrafast time-stretch imaging at $10\ \mu\text{m}$. Optics Letters, 2014, 39, 5989.	3.3	31
8	28 MHz swept source at $10\ \mu\text{m}$ for ultrafast quantitative phase imaging. Biomedical Optics Express, 2015, 6, 3855.	2.9	24
9	Arbitrary two-dimensional spectrally encoded pattern generation – a new strategy for high-speed patterned illumination imaging. Optica, 2015, 2, 1037.	9.3	22
10	Coherent Laser Source for High Frame-Rate Optical Time-Stretch Microscopy at $1.0\ \mu\text{m}$. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 384-389.	2.9	14
11	Optical Time Stretch for High-Speed and High-Throughput Imaging – From Single-Cell to Tissue-Wide Scales. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 89-103.	2.9	14
12	Accelerated cell imaging and classification on FPGAs for quantitative-phase asymmetric-detection time-stretch optical microscopy. , 2015, , .		5
13	Ultrafast Microfluidic Cellular Imaging by Optical Time-Stretch. Methods in Molecular Biology, 2016, 1389, 23-45.	0.9	5
14	Cost-effective approaches for high-resolution bioimaging by time-stretched confocal microscopy at $1\ \mu\text{m}$. Proceedings of SPIE, 2012, , .	0.8	1
15	Interferometric time-stretch microscopy for ultrafast quantitative cellular imaging at $1\ \mu\text{m}$. , 2013, , .		1
16	Asymmetric-detection time-stretch optical microscopy (ATOM) for high-contrast and high-speed microfluidic cellular imaging. , 2014, , .		1
17	Optical time-stretch imaging flow cytometry of phytoplankton. , 2015, , .		1
18	High-throughput image-based single-cell analysis by ultrafast asymmetric-detection time-stretch optical microscopy. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	High-throughput intrinsic single-cell phenotyping by quantitative asymmetric-detection time-stretch optical microscopy (Q-ATOM). , 2015, , .		0
20	Ultrafast quantitative time-stretch imaging flow cytometry of phytoplankton. Proceedings of SPIE, 2016, , .	0.8	0
21	Ultrafast high-contrast microfluidic cellular imaging by asymmetric-detection time-stretch optical microscopy (ATOM). , 2013, , .		0
22	Megahertz-scan-rate quantitative tissue imaging by interferometric time-stretch microscopy. , 2013, , .		0
23	Ultrafast flow imaging by 1 μ m time-stretch microscopy. , 2013, , .		0
24	Quantitative phase asymmetric-detection time-stretch optical microscopy (Q-ATOM) for ultrafast cellular imaging. , 2014, , .		0
25	Versatile Laser and Optical Amplifier for Ultrafast Imaging Applications. , 2015, , .		0
26	Ultrafast swept source at 1.0 μ m for high-speed phase sensitive imaging. , 2015, , .		0