

Terence Tsz Wai Wong

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,421
citations

566801

15
h-index

580395

25
g-index

33
all docs

33
docs citations

33
times ranked

1540
citing authors

#	ARTICLE	IF	CITATIONS
1	High-speed label-free functional photoacoustic microscopy of mouse brain in action. <i>Nature Methods</i> , 2015, 12, 407-410.	9.0	555
2	Fast label-free multilayered histology-like imaging of human breast cancer by photoacoustic microscopy. <i>Science Advances</i> , 2017, 3, e1602168.	4.7	187
3	High-resolution, high-contrast mid-infrared imaging of fresh biological samples with ultraviolet-localized photoacoustic microscopy. <i>Nature Photonics</i> , 2019, 13, 609-615.	15.6	158
4	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. <i>Nature Communications</i> , 2017, 8, 1386.	5.8	104
5	Compressed Ultrafast Spectral-Temporal Photography. <i>Physical Review Letters</i> , 2019, 122, 193904.	2.9	54
6	<i>In vivo</i> deep brain imaging of rats using oral-cavity illuminated photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2015, 20, 016019.	1.4	46
7	A Review of Endogenous and Exogenous Contrast Agents Used in Photoacoustic Tomography with Different Sensing Configurations. <i>Sensors</i> , 2020, 20, 5595.	2.1	32
8	Dichroism-sensitive photoacoustic computed tomography. <i>Optica</i> , 2018, 5, 495.	4.8	29
9	Label-free cell nuclear imaging by Gr ^{1/4} neisen relaxation photoacoustic microscopy. <i>Optics Letters</i> , 2018, 43, 947.	1.7	26
10	High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	26
11	Dual-view photoacoustic microscopy for quantitative cell nuclear imaging. <i>Optics Letters</i> , 2018, 43, 4875.	1.7	25
12	High-speed label-free ultraviolet photoacoustic microscopy for histology-like imaging of unprocessed biological tissues. <i>Optics Letters</i> , 2020, 45, 5401.	1.7	23
13	Deep learning enables ultraviolet photoacoustic microscopy based histological imaging with near real-time virtual staining. <i>Photoacoustics</i> , 2022, 25, 100308.	4.4	23
14	High-speed high-resolution laser diode-based photoacoustic microscopy for in vivo microvasculature imaging. <i>Visual Computing for Industry, Biomedicine, and Art</i> , 2021, 4, 1.	2.2	21
15	Deep-learning-assisted microscopy with ultraviolet surface excitation for rapid slide-free histological imaging. <i>Biomedical Optics Express</i> , 2021, 12, 5920.	1.5	19
16	High-throughput, Label-free and Slide-free Histological Imaging by Computational Microscopy and Unsupervised Learning. <i>Advanced Science</i> , 2022, 9, e2102358.	5.6	19
17	Multifocal photoacoustic microscopy using a single-element ultrasonic transducer through an ergodic relay. <i>Light: Science and Applications</i> , 2020, 9, 135.	7.7	17
18	Use of a single xenon flash lamp for photoacoustic computed tomography of multiple-centimeter-thick biological tissue <i>ex vivo</i> and a whole mouse body <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2016, 22, 041003.	1.4	13

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19	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	10
20	Ultraviolet photoacoustic microscopy with tissue clearing for high-contrast histological imaging. <i>Photoacoustics</i> , 2022, 25, 100313.	4.4	10
21	Dual-axis illumination for virtually augmenting the detection view of optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	8
22	Three-dimensional label-free histological imaging of whole organs by microtomy-assisted autofluorescence tomography. <i>IScience</i> , 2022, 25, 103721.	1.9	5
23	Advances in optical microscopy revolutionize the practice of surgical pathology with rapid and non-destructive tissue assessment. <i>European Physical Journal: Special Topics</i> , 2022, 231, 763-779.	1.2	4
24	Rapid slide-free and non-destructive histological imaging using wide-field optical-sectioning microscopy. <i>Biomedical Optics Express</i> , 2022, 13, 2782.	1.5	3
25	High-Speed Ultraviolet Photoacoustic Microscopy for Histological Imaging with Virtual-Staining assisted by Deep Learning. <i>Journal of Visualized Experiments</i> , 2022, , .	0.2	1
26	Whole-organ atlas imaged by label-free high-resolution photoacoustic microscopy assisted by a microtome. , 2018, , .		0
27	Photoacoustic microscopy enables multilayered histological imaging of human breast cancer without staining. , 2018, , .		0
28	Quantitative cell nuclear imaging by dual-view optical-resolution photoacoustic microscopy. , 2019, , .		0
29	Three-dimensional histological imaging without labels by microtomy-assisted autofluorescence tomography. , 2022, , .		0