

Tong Ye

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7668490/publications.pdf>

Version: 2024-02-01

109
papers

2,697
citations

201674

27
h-index

197818

49
g-index

109
all docs

109
docs citations

109
times ranked

3084
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated chondrocyte viability analysis of articular cartilage based on deep learning segmentation and classification of two-photon microscopic images. , 2022, , .		1
2	A noninvasive fluorescence imaging-based platform measures 3D anisotropic extracellular diffusion. Nature Communications, 2021, 12, 1913.	12.8	14
3	Deep learning provides high accuracy in automated chondrocyte viability assessment in articular cartilage using nonlinear optical microscopy. Biomedical Optics Express, 2021, 12, 2759.	2.9	12
4	In-vivo imaging of melanoma with simultaneous dual-wavelength acoustic-resolution-based photoacoustic/ultrasound microscopy. Applied Optics, 2021, 60, 3772.	1.8	16
5	Nonlabeling and quantitative assessment of chondrocyte viability in articular cartilage with intrinsic nonlinear optical signatures. Experimental Biology and Medicine, 2020, 245, 348-359.	2.4	10
6	Study of the Expression Transition of Cardiac Myosin Using Polarization-Dependent SHG Microscopy. Biophysical Journal, 2020, 118, 1058-1066.	0.5	6
7	Human cardiac organoids for the modelling of myocardial infarction and drug cardiotoxicity. Nature Biomedical Engineering, 2020, 4, 446-462.	22.5	232
8	Deep learning cell segmentation in chondrocyte viability assessment using nonlinear optical microscopy. , 2020, , .		0
9	Study of the sarcomeric addition process in a tissue-like cell construct under mechanical overload via TPEF-SHG imaging system. , 2020, , .		0
10	Multiple Beam Laser Guidance for Patterning Irregularly Shaped Cells. Frontiers in Physics, 2020, 8, .	2.1	1
11	Increasing fluorescence lifetime for resolution improvement in stimulated emission depletion nanoscopy. Journal of Biophotonics, 2019, 12, e201800315.	2.3	9
12	Changes in the crystallographic structures of cardiac myosin filaments detected by polarization-dependent second harmonic generation microscopy. Biomedical Optics Express, 2019, 10, 3183.	2.9	8
13	Nondestructive method for chondrocyte viability assessment in articular cartilage tissues with nonlinear optical microscopy. , 2019, , .		1
14	Rapid wide-field imaging through scattering media by digital holographic wavefront correction. Applied Optics, 2019, 58, 2845.	1.8	4
15	Aberration correction for improving the image quality in STED microscopy using the genetic algorithm. Nanophotonics, 2018, 7, 1971-1980.	6.0	26
16	Quantification of Cardiomyocyte Beating Frequency Using Fourier Transform Analysis. Photonics, 2018, 5, 39.	2.0	5
17	Shaping the on-axis intensity profile of generalized Bessel beams by iterative optimization methods. Journal of Optics (United Kingdom), 2018, 20, 085603.	2.2	16
18	Resolution improvement in STED super-resolution microscopy at low power using a phasor plot approach. Nanoscale, 2018, 10, 16252-16260.	5.6	46

#	ARTICLE	IF	CITATIONS
19	Engineering the on-axis intensity of Bessel beam by a feedback tuning loop. , 2018, , .		0
20	Interleaved segment correction achieves higher improvement factors in using genetic algorithm to optimize light focusing through scattering media. Journal of Optics (United Kingdom), 2017, 19, 105602.	2.2	17
21	Coherent optical adaptive technique improves the spatial resolution of STED microscopy in thick samples. Photonics Research, 2017, 5, 176.	7.0	36
22	Multiple-Beam Laser Guidance-Based Microscope for Patterning Adult Cardiomyocytes. Microscopy and Microanalysis, 2016, 22, 1030-1031.	0.4	1
23	Aberration correction for stimulated emission depletion microscopy with coherent optical adaptive technique. Proceedings of SPIE, 2016, , .	0.8	4
24	Two-Photon Laser Scanning Stereomicroscopy for Fast Volumetric Imaging. PLoS ONE, 2016, 11, e0168885.	2.5	13
25	Voltage and Calcium Dual Channel Optical Mapping of Cultured HL-1 Atrial Myocyte Monolayer. Journal of Visualized Experiments, 2015, , .	0.3	6
26	Fluorescence microendoscopy imaging based on GRIN lenses with one- and two-photon excitation modes. Frontiers of Optoelectronics, 2015, 8, 177-182.	3.7	10
27	Two-photon excited fluorescence microendoscopic imaging using a GRIN lens. Proceedings of SPIE, 2015, , .	0.8	0
28	Scanning stereomicroscopy with two-photon excitation and scanned Bessel beams. , 2015, , .		0
29	Vibrational phase imaging in wide-field CARS for nonresonant background suppression. Optics Express, 2015, 23, 10756.	3.4	9
30	Laser scanning stereomicroscopy for fast volumetric imaging with two-photon excitation and scanned Bessel beams. Proceedings of SPIE, 2015, , .	0.8	0
31	Fast frame scanning camera system for light-sheet microscopy. Applied Optics, 2015, 54, 8632.	2.1	5
32	Double-Exposure Optical Sectioning Structured Illumination Microscopy Based on Hilbert Transform Reconstruction. PLoS ONE, 2015, 10, e0120892.	2.5	27
33	Experimental analysis of focal fields in laser scanning fluorescence stereomicroscopy. Proceedings of SPIE, 2014, , .	0.8	1
34	Remote-focusing microscopy with long working distance objective lenses. Applied Optics, 2014, 53, 3473.	1.8	7
35	Digital holographic microscopy with phase-shift-free structured illumination. Photonics Research, 2014, 2, 87.	7.0	31
36	Selective plane illumination microscopy with structured illumination based on spatial light modulators. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
37	Wilms' tumor 1 (Wt1) regulates pleural mesothelial cell plasticity and transition into myofibroblasts in idiopathic pulmonary fibrosis. <i>FASEB Journal</i> , 2014, 28, 1122-1131.	0.5	80
38	Polarization-sensitive diffractive optical elements fabricated in BR films with femtosecond laser. <i>Applied Physics B: Lasers and Optics</i> , 2014, 115, 365-369.	2.2	4
39	Generation of three-dimensional optical structures by dynamic holograms displayed on a twisted nematic liquid crystal display. <i>Applied Physics B: Lasers and Optics</i> , 2013, 110, 531-537.	2.2	17
40	LRRK2 secretion in exosomes is regulated by 14-3-3. <i>Human Molecular Genetics</i> , 2013, 22, 4988-5000.	2.9	142
41	DMD-based LED-illumination Super-resolution and optical sectioning microscopy. <i>Scientific Reports</i> , 2013, 3, 1116.	3.3	218
42	Two-photon fluorescence stereomicroscopy with Bessel beams. , 2013, , .		3
43	Off-axis digital holographic microscopy with LED illumination based on polarization filtering. <i>Applied Optics</i> , 2013, 52, 8233.	1.8	33
44	Parallel on-axis phase-shifting holographic phase microscopy based on reflective point-diffraction interferometer with long-term stability. <i>Applied Optics</i> , 2013, 52, 3484.	1.8	24
45	Long-Term In Vivo Imaging of Multiple Organs at the Single Cell Level. <i>PLoS ONE</i> , 2013, 8, e52087.	2.5	18
46	Long-Distance Axial Trapping with Focused Annular Laser Beams. <i>PLoS ONE</i> , 2013, 8, e57984.	2.5	22
47	Investigation of Bessel beam propagation in scattering media with scalar diffraction method. <i>Chinese Optics Letters</i> , 2013, 11, 112601.	2.9	9
48	Autofocusing based on wavelength dependence of diffraction in two-wavelength digital holographic microscopy. <i>Optics Letters</i> , 2012, 37, 1172.	3.3	48
49	Autofocusing of digital holographic microscopy based on off-axis illuminations. <i>Optics Letters</i> , 2012, 37, 3630.	3.3	66
50	Phase contrast microscopy with fringe contrast adjustable by using grating-based phase-shifter. <i>Optics Express</i> , 2012, 20, 16077.	3.4	3
51	Fluorescence volume imaging with an axicon: simulation study based on scalar diffraction method. <i>Applied Optics</i> , 2012, 51, 7236.	1.8	23
52	Dual-wavelength slightly off-axis digital holographic microscopy. <i>Applied Optics</i> , 2012, 51, 191.	1.8	48
53	Wave-front curvature compensation of polarization phase-shifting digital holography. <i>Optik</i> , 2012, 123, 1525-1529.	2.9	8
54	Dual-channel phase-shifting interferometry for microscopy with second wavelength assistance. <i>Chinese Optics Letters</i> , 2012, 10, 010901-10904.	2.9	1

#	ARTICLE	IF	CITATIONS
55	Parallel two-step phase-shifting digital holograph microscopy based on a grating pair. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 434.	1.5	40
56	Improvement of the performance of the twisted-nematic liquid-crystal display as a phase modulator. Applied Optics, 2011, 50, 2588.	2.1	4
57	Two-photon excited autofluorescence imaging of freshly isolated frog retinas. Biomedical Optics Express, 2011, 2, 1494.	2.9	15
58	Reflective point-dif fraction microscopic interferometer with long-term stability (Invited Paper). Chinese Optics Letters, 2011, 9, 120002-120004.	2.9	5
59	Parallel two-step phase-shifting point-diffraction interferometry for microscopy based on a pair of cube beamsplitters. Optics Express, 2011, 19, 1930.	3.4	76
60	Parallel two-step phase-shifting microscopic interferometry based on a cube beamsplitter. Optics Communications, 2011, 284, 4136-4140.	2.1	24
61	Myofibrillogenesis in live neonatal cardiomyocytes observed with hybrid two-photon excitation fluorescence-second harmonic generation microscopy. Journal of Biomedical Optics, 2011, 16, 126012.	2.6	13
62	3D myofibril imaging in live cardiomyocytes via hybrid SHG-TPEF microscopy. Proceedings of SPIE, 2011, , .	0.8	9
63	Optical trapping with cylindrical vector beams. , 2011, , .		0
64	Prediction of optical modulation properties of twisted-nematic liquid-crystal display by improved measurement of Jones matrix. Journal of Applied Physics, 2010, 107, 073107.	2.5	14
65	Optical Trapping of Double-Ring Radially Polarized Beam with Improved Axial Trapping Efficiency. Chinese Physics Letters, 2010, 27, 108701.	3.3	7
66	Parallel phase-shifting interferometry based on Michelson-like architecture. Applied Optics, 2010, 49, 6612.	2.1	26
67	Simulation and optimization of spatial light modulation of twisted-nematic liquid crystal display. Chinese Optics Letters, 2010, 8, 960-963.	2.9	5
68	Nonlinear Absorption Microscopy^{â€‹}. Photochemistry and Photobiology, 2009, 85, 631-645.	2.5	64
69	Different Molecular Constituents in Pheomelanin are Responsible for Emission, Transient Absorption and Oxygen Photoconsumption. Photochemistry and Photobiology, 2008, 84, 437-443.	2.5	28
70	Probing skin pigmentation changes with transient absorption imaging of eumelanin and pheomelanin. Journal of Biomedical Optics, 2008, 13, 054036.	2.6	46
71	Two-photon absorption and transient photothermal imaging of pigments in tissues. , 2008, , .		2
72	Label-free in vivo optical imaging of microvasculature and oxygenation level. Journal of Biomedical Optics, 2008, 13, 040503.	2.6	49

#	ARTICLE	IF	CITATIONS
73	Label free high resolution in vivo optical imaging of microvessels. Proceedings of SPIE, 2008, , .	0.8	2
74	Two-Photon Absorption Imaging of Hemoglobin. , 2007, , .		0
75	Two-color excited-state absorption imaging of melanins. , 2007, , .		8
76	Self-phase modulation and two-photon absorption imaging of cells and active neurons. , 2007, , .		2
77	High-resolution in vivo imaging of blood vessels without labeling. Optics Letters, 2007, 32, 2641.	3.3	112
78	Two-color, two-photon, and excited-state absorption microscopy. Journal of Biomedical Optics, 2007, 12, 054004.	2.6	138
79	Ultrafast Energy Transfer from Bound Tetra(4-N,N,N,N-trimethylanilinium)porphyrin to Synthetic Dopa and Cysteinyldopa Melanins. Photochemistry and Photobiology, 2007, 77, 1-4.	2.5	4
80	The Action Spectrum for Generation of the Primary Intermediate Revealed by Ultrafast Absorption Spectroscopy Studies of Pheomelanin. Photochemistry and Photobiology, 2007, 77, 41-45.	2.5	4
81	Tissue imaging with shaped femtosecond laser pulses. Springer Series in Chemical Physics, 2007, , 807-809.	0.2	5
82	Spectroscopy and Photoreactivity of Trichochromes: Molecular Components of Pheomelanins. Photochemistry and Photobiology, 2006, 82, 318.	2.5	17
83	Photoionization Thresholds of Melanins Obtained from Free Electron Laser. Photoelectron Emission Microscopy, Femtosecond Transient Absorption Spectroscopy and Electron Paramagnetic Resonance Measurements of Oxygen Photoconsumption. Photochemistry and Photobiology, 2006, 82, 733-737.	2.5	76
84	Mechanistic Studies on the Photochemical Deprotection of 3,5-Dimethoxybenzoin Esters. Photochemistry and Photobiology, 2006, 82, 1258.	2.5	13
85	Imaging melanin by two-photon absorption microscopy. , 2006, , .		8
86	Two-photon absorption microscopy of tissue. , 2005, , .		0
87	Two-photon absorption and self-phase modulation measurements with shaped femtosecond laser pulses. , 2005, , .		1
88	Two-photon absorption and self-phase modulation measurements with shaped femtosecond laser pulses. Optics Letters, 2005, 30, 1551.	3.3	43
89	The prospects for high resolution optical brain imaging: the magnetic resonance perspective. Magnetic Resonance Imaging, 2003, 21, 1225-1233.	1.8	11
90	Subpicosecond Transient Dynamics in Gold Nanoparticles Encapsulated by a Fluorophore-Terminated Monolayer. Journal of Physical Chemistry B, 2003, 107, 1765-1771.	2.6	29

#	ARTICLE	IF	CITATIONS
91	Ultrafast absorption and photothermal studies of decarboxytrichochrome C in solution Dedicated to Professor Silvia Braslavsky, to mark her great contribution to photochemistry and photobiology particularly in the field of photothermal methods.. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 821.	2.9	13
92	Comparison of the Ultrafast Absorption Dynamics of Eumelanin and Pheomelanin. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11240-11244.	2.6	51
93	Ultrafast Energy Transfer from Bound Tetra(4-N,N,N,N-trimethylanilinium)porphyrin to Synthetic Dopa and Cysteinyldopa Melanins. <i>Photochemistry and Photobiology</i> , 2003, 77, 1.	2.5	21
94	The Action Spectrum for Generation of the Primary Intermediate Revealed by Ultrafast Absorption Spectroscopy Studies of Pheomelanin. <i>Photochemistry and Photobiology</i> , 2003, 77, 41.	2.5	9
95	Ultrafast energy transfer from bound tetra(4-N,N,N,N-trimethylanilinium)porphyrin to synthetic dopa and cysteinyldopa melanins. <i>Photochemistry and Photobiology</i> , 2003, 77, 1-4.	2.5	3
96	Photogeneration and Quenching of Reactive Oxygen Species by Urocanic Acid. <i>Journal of the American Chemical Society</i> , 2002, 124, 3461-3468.	13.7	38
97	Ultrafast Spectroscopic Study of Pheomelanin: Implications on the Mechanism of Superoxide Anion Formation. <i>Journal of Physical Chemistry B</i> , 2002, 106, 6133-6135.	2.6	16
98	Time-Resolved Spectroscopic Studies of Radiationless Decay Processes in Photoexcited Hemocyanins. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1478-1483.	2.6	8
99	Ultrafast Nonradiative Relaxation Dynamics of Eumelanin. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2864-2866.	2.6	82
100	Primary Photophysical Properties of A2E in Solution. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11507-11512.	2.6	39
101	Non-isomerizable artificial pigments: implications for the primary light-induced events in bacteriorhodopsin. <i>Biochemistry (Moscow)</i> , 2001, 66, 1210-1219.	1.5	21
102	Resolving the primary dynamics of bacteriorhodopsin, and Locked analogs in the reactive excited state.. <i>Springer Series in Chemical Physics</i> , 2001, , 683-685.	0.2	0
103	Resolving the primary dynamics of bacteriorhodopsin, and of a 'C13=C14 locked' analog, in the reactive excited state. <i>Chemical Physics Letters</i> , 1999, 314, 429-434.	2.6	45
104	On the Nature of the Primary Light-Induced Events in Bacteriorhodopsin: Ultrafast Spectroscopy of Native and C13=C14 Locked Pigments. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5122-5130.	2.6	87
105	Studies on fluorescent species of spiro-indolinonaphthooxazines and their fluorescence spectra. <i>Research on Chemical Intermediates</i> , 1998, 24, 961-971.	2.7	7
106	Energy transfer kinetics of phycoerythrocyanin trimer from cyanobacterium <i>Anabaena variabilis</i> (II). <i>Science in China Series C: Life Sciences</i> , 1998, 41, 133-138.	1.3	2
107	Energy transfer kinetics of phycoerythrocyanins (PECs) from the cyanobacterium <i>Anabaena variabilis</i> (I). <i>Science in China Series B: Chemistry</i> , 1997, 40, 286-293.	0.8	4
108	Kinetics of charge separation and energy transfer in photosystem II reaction center. <i>Science Bulletin</i> , 1997, 42, 337-340.	1.7	4

#	ARTICLE	IF	CITATIONS
109	?-Conjugated soluble palladium poly-yne: Synthesis and fluorescence properties. Journal of Applied Polymer Science, 1997, 64, 1657-1665.	2.6	4