

# Ting-Ting Yu

## List of Publications by Year in descending order

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54  
papers

1,475  
citations

304743

22  
h-index

345221

36  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical angiography for diabetes-induced pathological changes in microvascular structure and function: An overview. <i>Journal of Innovative Optical Health Sciences</i> , 2022, 15, .	1.0	6
2	Introduction to the Special Issue on Advances in Biophotonics and Biomedical Optics: Part II. <i>Journal of Innovative Optical Health Sciences</i> , 2022, 15, .	1.0	0
3	Optical clearing imaging assisted evaluation of urokinase thrombolytic therapy on cerebral vessels with different sizes. <i>Biomedical Optics Express</i> , 2022, 13, 3243.	2.9	3
4	In vivo tissue optical clearing assisted through-skull targeted photothrombotic ischemic stroke model in mice. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.6	5
5	Tissue Optical Clearing for Biomedical Imaging: From In Vitro to In Vivo. <i>Advances in Experimental Medicine and Biology</i> , 2021, 3233, 217-255.	1.6	0
6	Minutes-timescale 3D isotropic imaging of entire organs at subcellular resolution by content-aware compressed-sensing light-sheet microscopy. <i>Nature Communications</i> , 2021, 12, 107.	12.8	27
7	Physical and chemical mechanisms of tissue optical clearing. <i>IScience</i> , 2021, 24, 102178.	4.1	63
8	Three-Dimensional Mapping of Retrograde Multi-Labeled Motor Neuron Columns in the Spinal Cord. <i>Photonics</i> , 2021, 8, 145.	2.0	1
9	Brain Mechanisms of COVID-19-Sleep Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6917.	4.1	26
10	An Approach to Maximize Retrograde Transport Based on the Spatial Distribution of Motor Endplates in Mouse Hindlimb Muscles. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 707982.	3.7	6
11	Dec-DISCO: decolorization DISCO clearing for seeing through the biological architectures of heme-rich organs. <i>Biomedical Optics Express</i> , 2021, 12, 5499.	2.9	3
12	FDISCO+: a clearing method for robust fluorescence preservation of cleared samples. <i>Neurophotonics</i> , 2021, 8, 035007.	3.3	3
13	Tissue optical clearing for 3D visualization of vascular networks: A review. <i>Vascular Pharmacology</i> , 2021, 141, 106905.	2.1	10
14	Introduction to the Special Issue on Advances in Biophotonics and Biomedical Optics. <i>Journal of Innovative Optical Health Sciences</i> , 2021, 14, .	1.0	0
15	Night Photostimulation of Clearance of Beta-Amyloid from Mouse Brain: New Strategies in Preventing Alzheimer's Disease. <i>Cells</i> , 2021, 10, 3289.	4.1	29
16	Transmissive-detected laser speckle contrast imaging for blood flow monitoring in thick tissue: from Monte Carlo simulation to experimental demonstration. <i>Light: Science and Applications</i> , 2021, 10, 241.	16.6	27
17	Fast, 3D Isotropic Imaging of Whole Mouse Brain Using Multiangle-Resolved Subvoxel SPIM. <i>Advanced Science</i> , 2020, 7, 1901891.	11.2	22
18	Photostimulation of Extravasation of Beta-Amyloid through the Model of Blood-Brain Barrier. <i>Electronics (Switzerland)</i> , 2020, 9, 1056.	3.1	15

#	ARTICLE	IF	CITATIONS
19	Deep-learning super-resolution light-sheet add-on microscopy (Deep-SLAM) for easy isotropic volumetric imaging of large biological specimens. <i>Biomedical Optics Express</i> , 2020, 11, 7273.	2.9	19
20	MACS: Rapid Aqueous Clearing System for 3D Mapping of Intact Organs. <i>Advanced Science</i> , 2020, 7, 1903185.	11.2	52
21	Visible near infrared skull optical clearing window for in vivo cortical vasculature imaging and targeted manipulation. <i>Journal of Biophotonics</i> , 2020, 13, e202000142.	2.3	17
22	Efficient and cost-effective 3D cellular imaging by subvoxel-resolving light-sheet add-on microscopy. <i>Journal of Biophotonics</i> , 2020, 13, e201960243.	2.3	9
23	High-throughput Imaging: Fast, 3D Isotropic Imaging of Whole Mouse Brain Using Multiangle-Resolved Subvoxel SPIM (Adv. Sci. 3/2020). <i>Advanced Science</i> , 2020, 7, 2070015.	11.2	0
24	Three-dimensional visualization of intramuscular innervation in intact adult skeletal muscle by a modified iDISCO method. <i>Neurophotonics</i> , 2020, 7, 1.	3.3	8
25	Comparison of cerebral and cutaneous microvascular dysfunction with the development of type 1 diabetes. <i>Theranostics</i> , 2019, 9, 5854-5868.	10.0	25
26	Spatial Distribution of Motor Endplates and its Adaptive Change in Skeletal Muscle. <i>Theranostics</i> , 2019, 9, 734-746.	10.0	39
27	Age differences in photodynamic therapy-mediated opening of the blood-brain barrier through the optical clearing skull window in mice. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 625-633.	2.1	13
28	FDISCO: Advanced solvent-based clearing method for imaging whole organs. <i>Science Advances</i> , 2019, 5, eaau8355.	10.3	171
29	Quantitative assessment of optical clearing methods in various intact mouse organs. <i>Journal of Biophotonics</i> , 2019, 12, e201800134.	2.3	53
30	In vivo monitoring blood-brain barrier permeability using spectral imaging through optical clearing skull window. <i>Journal of Biophotonics</i> , 2019, 12, e201800330.	2.3	20
31	Subvoxel light-sheet microscopy for high-resolution high-throughput volumetric imaging of large biomedical specimens. <i>Advanced Photonics</i> , 2019, 1, 1.	11.8	37
32	Quantitative evaluation of skin disorders in type 1 diabetic mice by in vivo optical imaging. <i>Biomedical Optics Express</i> , 2019, 10, 2996.	2.9	7
33	An applicable whole-mount immunolabeling method for volume imaging of skeletal muscle. , 2019, , .		1
34	Optimized 3DISCO for imaging of heme-rich tissues by decolorization. , 2019, , .		0
35	Skull optical clearing window for in vivo imaging of the mouse cortex at synaptic resolution. <i>Light: Science and Applications</i> , 2018, 7, 17153-17153.	16.6	101
36	RTF: a rapid and versatile tissue optical clearing method. <i>Scientific Reports</i> , 2018, 8, 1964.	3.3	53

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37	Clarity and Immunofluorescence on Mouse Brain Tissue. <i>Current Protocols in Neuroscience</i> , 2018, 83, e46.	2.6	2
38	Optical clearing for multiscale biological tissues. <i>Journal of Biophotonics</i> , 2018, 11, e201700187.	2.3	75
39	In vivo imaging the motility of monocyte/macrophage during inflammation in diabetic mice. <i>Journal of Biophotonics</i> , 2018, 11, e201700205.	2.3	7
40	Photodynamic opening of the blood-brain barrier to high weight molecules and liposomes through an optical clearing skull window. <i>Biomedical Optics Express</i> , 2018, 9, 4850.	2.9	34
41	A large, switchable optical clearing skull window for cerebrovascular imaging. <i>Theranostics</i> , 2018, 8, 2696-2708.	10.0	76
42	Flufenamic acid inhibits secondary hemorrhage and BSCB disruption after spinal cord injury. <i>Theranostics</i> , 2018, 8, 4181-4198.	10.0	51
43	Optimization of GFP Fluorescence Preservation by a Modified uDISCO Clearing Protocol. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 67.	1.7	33
44	Visualization of skin microvascular dysfunction of type 1 diabetic mice using in vivo skin optical clearing method. <i>Journal of Biomedical Optics</i> , 2018, 24, 1.	2.6	16
45	Evaluation of seven optical clearing methods in mouse brain. <i>Neurophotonics</i> , 2018, 5, 1.	3.3	70
46	Elevated-temperature-induced acceleration of PACT clearing process of mouse brain tissue. <i>Scientific Reports</i> , 2017, 7, 38848.	3.3	28
47	Lookup-table-based inverse model for mapping oxygen concentration of cutaneous microvessels using hyperspectral imaging. <i>Optics Express</i> , 2017, 25, 3481.	3.4	18
48	Three-dimensional, isotropic imaging of mouse brain using multi-view deconvolution light sheet microscopy. <i>Journal of Innovative Optical Health Sciences</i> , 2017, 10, 1743006.	1.0	31
49	In vivo injection of $\alpha$ -bungarotoxin to improve the efficiency of motor endplate labeling. <i>Brain and Behavior</i> , 2016, 6, e00468.	2.2	19
50	Rapid and prodium iodide-compatible optical clearing method for brain tissue based on sugar/sugar-alcohol. <i>Journal of Biomedical Optics</i> , 2016, 21, 081203.	2.6	29
51	A simple optical clearing method for tissue block. , 2015, , .		1
52	A simple and rapid optical clearing method for improving optical imaging depth. , 2015, , .		0
53	Sugar-Induced Skin Optical Clearing: From Molecular Dynamics Simulation to Experimental Demonstration. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 256-262.	2.9	17
54	Quantitative analysis of dehydration in porcine skin for assessing mechanism of optical clearing. <i>Journal of Biomedical Optics</i> , 2011, 16, 095002.	2.6	86