

# Ting-Ting Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

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	FDISCO: Advanced solvent-based clearing method for imaging whole organs. <i>Science Advances</i> , 2019, 5, eaau8355.	10.3	171
2	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
3	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
4	A large, switchable optical clearing skull window for cerebrovascular imaging. <i>Theranostics</i> , 2018, 8, 2696-2708.	10.0	76
5	Optical clearing for multiscale biological tissues. <i>Journal of Biophotonics</i> , 2018, 11, e201700187.	2.3	75
6	Evaluation of seven optical clearing methods in mouse brain. <i>Neurophotonics</i> , 2018, 5, 1.	3.3	70
7	Physical and chemical mechanisms of tissue optical clearing. <i>IScience</i> , 2021, 24, 102178.	4.1	63
8	RTF: a rapid and versatile tissue optical clearing method. <i>Scientific Reports</i> , 2018, 8, 1964.	3.3	53
9	Quantitative assessment of optical clearing methods in various intact mouse organs. <i>Journal of Biophotonics</i> , 2019, 12, e201800134.	2.3	53
10	MACS: Rapid Aqueous Clearing System for 3D Mapping of Intact Organs. <i>Advanced Science</i> , 2020, 7, 1903185.	11.2	52
11	Flufenamic acid inhibits secondary hemorrhage and BSCB disruption after spinal cord injury. <i>Theranostics</i> , 2018, 8, 4181-4198.	10.0	51
12	Spatial Distribution of Motor Endplates and its Adaptive Change in Skeletal Muscle. <i>Theranostics</i> , 2019, 9, 734-746.	10.0	39
13	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
14	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
15	Optimization of GFP Fluorescence Preservation by a Modified uDISCO Clearing Protocol. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 67.	1.7	33
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Elevated-temperature-induced acceleration of PACT clearing process of mouse brain tissue. Scientific Reports, 2017, 7, 38848.	3.3	28
20	Minutes-timescale 3D isotropic imaging of entire organs at subcellular resolution by content-aware compressed-sensing light-sheet microscopy. Nature Communications, 2021, 12, 107.	12.8	27
21	Transmissive-detected laser speckle contrast imaging for blood flow monitoring in thick tissue: from Monte Carlo simulation to experimental demonstration. Light: Science and Applications, 2021, 10, 241.	16.6	27
22	Brain Mechanisms of COVID-19-Sleep Disorders. International Journal of Molecular Sciences, 2021, 22, 6917.	4.1	26
23	Comparison of cerebral and cutaneous microvascular dysfunction with the development of type 1 diabetes. Theranostics, 2019, 9, 5854-5868.	10.0	25
24	Fast, 3D Isotropic Imaging of Whole Mouse Brain Using Multiangle-Resolved Subvoxel SPIM. Advanced Science, 2020, 7, 1901891.	11.2	22
25	In vivo monitoring blood-brain barrier permeability using spectral imaging through optical clearing skull window. Journal of Biophotonics, 2019, 12, e201800330.	2.3	20
26	In vivo injection of $\alpha$ -bungarotoxin to improve the efficiency of motor endplate labeling. Brain and Behavior, 2016, 6, e00468.	2.2	19
27	Deep-learning super-resolution light-sheet add-on microscopy (Deep-SLAM) for easy isotropic volumetric imaging of large biological specimens. Biomedical Optics Express, 2020, 11, 7273.	2.9	19
28	Lookup-table-based inverse model for mapping oxygen concentration of cutaneous microvessels using hyperspectral imaging. Optics Express, 2017, 25, 3481.	3.4	18
29	Sugar-Induced Skin Optical Clearing: From Molecular Dynamics Simulation to Experimental Demonstration. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 256-262.	2.9	17
30	Visible-near infrared skull optical clearing window for in vivo cortical vasculature imaging and targeted manipulation. Journal of Biophotonics, 2020, 13, e202000142.	2.3	17
31	Visualization of skin microvascular dysfunction of type 1 diabetic mice using in vivo skin optical clearing method. Journal of Biomedical Optics, 2018, 24, 1.	2.6	16
32	Photostimulation of Extravasation of Beta-Amyloid through the Model of Blood-Brain Barrier. Electronics (Switzerland), 2020, 9, 1056.	3.1	15
33	Age differences in photodynamic therapy-mediated opening of the blood-brain barrier through the optical clearing skull window in mice. Lasers in Surgery and Medicine, 2019, 51, 625-633.	2.1	13
34	Tissue optical clearing for 3D visualization of vascular networks: A review. Vascular Pharmacology, 2021, 141, 106905.	2.1	10
35	Efficient and cost-effective 3D cellular imaging by sub-voxel-resolving light-sheet add-on microscopy. Journal of Biophotonics, 2020, 13, e201960243.	2.3	9
36	Three-dimensional visualization of intramuscular innervation in intact adult skeletal muscle by a modified iDISCO method. Neurophotonics, 2020, 7, 1.	3.3	8

#	ARTICLE	IF	CITATIONS
37	In vivo imaging the motility of monocyte/macrophage during inflammation in diabetic mice. <i>Journal of Biophotonics</i> , 2018, 11, e201700205.	2.3	7
38	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
39	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
40	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
41	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
42	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
43	FDISCO+: a clearing method for robust fluorescence preservation of cleared samples. <i>Neurophotonics</i> , 2021, 8, 035007.	3.3	3
44	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
45	Clarity and Immunofluorescence on Mouse Brain Tissue. <i>Current Protocols in Neuroscience</i> , 2018, 83, e46.	2.6	2
46	A simple optical clearing method for tissue block. , 2015, , .		1
47	Three-Dimensional Mapping of Retrograde Multi-Labeled Motor Neuron Columns in the Spinal Cord. <i>Photonics</i> , 2021, 8, 145.	2.0	1
48	An applicable whole-mount immunolabeling method for volume imaging of skeletal muscle. , 2019, , .		1
49	A simple and rapid optical clearing method for improving optical imaging depth. , 2015, , .		0
50	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
51	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
52	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
53	Optimized 3DISCO for imaging of heme-rich tissues by decolorization. , 2019, , .		0
54	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