

# Emilie MacÃ©

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

2,524  
citations

567281

15  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Hemodynamic Measurements in Cortical Vessels Using Functional Ultrasound Imaging. <i>Frontiers in Neuroscience</i> , 2022, 16, 831650.	2.8	11
2	Functional Ultrasound Neuroimaging. <i>Annual Review of Neuroscience</i> , 2022, 45, 491-513.	10.7	12
3	Whole-brain functional ultrasound imaging in awake head-fixed mice. <i>Nature Protocols</i> , 2021, 16, 3547-3571.	12.0	52
4	Functional ultrasound brain imaging: Bridging networks, neurons, and behavior. <i>Current Opinion in Biomedical Engineering</i> , 2021, 18, 100286.	3.4	11
5	Functional ultrasound imaging: A useful tool for functional connectomics?. <i>NeuroImage</i> , 2021, 245, 118722.	4.2	6
6	Neurons differentiate magnitude and location of mechanical stimuli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 848-856.	7.1	58
7	A Platform for Brain-wide Volumetric Functional Ultrasound Imaging and Analysis of Circuit Dynamics in Awake Mice. <i>Neuron</i> , 2020, 108, 861-875.e7.	8.1	65
8	Whole-Brain Functional Ultrasound Imaging Reveals Brain Modules for Visuomotor Integration. <i>Neuron</i> , 2018, 100, 1241-1251.e7.	8.1	112
9	A New Promoter Allows Optogenetic Vision Restoration with Enhanced Sensitivity in Macaque Retina. <i>Molecular Therapy</i> , 2017, 25, 2546-2560.	8.2	131
10	Red-shifted channelrhodopsin stimulation restores light responses in blind mice, macaque retina, and human retina. <i>EMBO Molecular Medicine</i> , 2016, 8, 1248-1264.	6.9	139
11	Real-time imaging of brain activity in freely moving rats using functional ultrasound. <i>Nature Methods</i> , 2015, 12, 873-878.	19.0	128
12	Targeting Channelrhodopsin-2 to ON-bipolar Cells With Vitreally Administered AAV Restores ON and OFF Visual Responses in Blind Mice. <i>Molecular Therapy</i> , 2015, 23, 7-16.	8.2	166
13	Chronic assessment of cerebral hemodynamics during rat forepaw electrical stimulation using functional ultrasound imaging. <i>NeuroImage</i> , 2014, 101, 138-149.	4.2	71
14	Functional ultrasound imaging of the brain: theory and basic principles. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 492-506.	3.0	232
15	Imaging of Perfusion, Angiogenesis, and Tissue Elasticity after Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1496-1507.	4.3	54
16	Functional ultrasound imaging of the brain. <i>Nature Methods</i> , 2011, 8, 662-664.	19.0	589
17	In Vivo Mapping of Brain Elasticity in Small Animals Using Shear Wave Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 550-558.	8.9	63
18	Viscoelastic and Anisotropic Mechanical Properties of in vivo Muscle Tissue Assessed by Supersonic Shear Imaging. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 789-801.	1.5	577

#	ARTICLE	IF	CITATIONS
19	Molecular Dynamics Simulations of Liquid Condensed to Liquid Expanded Transitions in DPPC Monolayers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1325-1335.	2.6	40
20	A Platform for Brain-Wide Functional Ultrasound Imaging and Analysis of Circuit Dynamics in Behaving Mice. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1