Emilie MacÃ©

List of Publications by Year
in descending order

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20	2,524	567281 15	794594 19
papers	citations	h-index	g-index

26	26	26	2695
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional ultrasound imaging of the brain. Nature Methods, 2011, 8, 662-664.	19.0	589
2	Viscoelastic and Anisotropic Mechanical Properties of in vivo Muscle Tissue Assessed by Supersonic Shear Imaging. Ultrasound in Medicine and Biology, 2010, 36, 789-801.	1.5	577
3	Functional ultrasound imaging of the brain: theory and basic principles. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 492-506.	3.0	232
4	Targeting Channelrhodopsin-2 to ON-bipolar Cells With Vitreally Administered AAV Restores ON and OFF Visual Responses in Blind Mice. Molecular Therapy, 2015, 23, 7-16.	8.2	166
5	Redâ€shifted channelrhodopsin stimulation restores light responses in blind mice, macaque retina, and human retina. EMBO Molecular Medicine, 2016, 8, 1248-1264.	6.9	139
6	A New Promoter Allows Optogenetic Vision Restoration with Enhanced Sensitivity in Macaque Retina. Molecular Therapy, 2017, 25, 2546-2560.	8.2	131
7	Real-time imaging of brain activity in freely moving rats using functional ultrasound. Nature Methods, 2015, 12, 873-878.	19.0	128
8	Whole-Brain Functional Ultrasound Imaging Reveals Brain Modules for Visuomotor Integration. Neuron, 2018, 100, 1241-1251.e7.	8.1	112
9	Chronic assessment of cerebral hemodynamics during rat forepaw electrical stimulation using functional ultrasound imaging. NeuroImage, 2014, 101, 138-149.	4.2	71
10	A Platform for Brain-wide Volumetric Functional Ultrasound Imaging and Analysis of Circuit Dynamics in Awake Mice. Neuron, 2020, 108, 861-875.e7.	8.1	65
11	In Vivo Mapping of Brain Elasticity in Small Animals Using Shear Wave Imaging. IEEE Transactions on Medical Imaging, 2011, 30, 550-558.	8.9	63
12	Neurons differentiate magnitude and location of mechanical stimuli. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 848-856.	7.1	58
13	Imaging of Perfusion, Angiogenesis, and Tissue Elasticity after Stroke. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1496-1507.	4.3	54
14	Whole-brain functional ultrasound imaging in awake head-fixed mice. Nature Protocols, 2021, 16, 3547-3571.	12.0	52
15	Molecular Dynamics Simulations of Liquid Condensed to Liquid Expanded Transitions in DPPC Monolayers. Journal of Physical Chemistry B, 2010, 114, 1325-1335.	2.6	40
16	Functional Ultrasound Neuroimaging. Annual Review of Neuroscience, 2022, 45, 491-513.	10.7	12
17	Functional ultrasound brain imaging: Bridging networks, neurons, and behavior. Current Opinion in Biomedical Engineering, 2021, 18, 100286.	3.4	11
18	Quantitative Hemodynamic Measurements in Cortical Vessels Using Functional Ultrasound Imaging. Frontiers in Neuroscience, 2022, 16, 831650.	2.8	11

#	Article	IF	Citations
19	Functional ultrasound imaging: A useful tool for functional connectomics?. NeuroImage, 2021, 245, 118722.	4.2	6
20	A Platform for Brain-Wide Functional Ultrasound Imaging and Analysis of Circuit Dynamics in Behaving Mice. SSRN Electronic Journal, 0, , .	0.4	1