Sharon H Kim

List of Publications by Year
in descending order

13 papers	709 citations	1478280 6 h-index	1872570 6 g-index
15 all docs	15 docs citations	15 times ranked	1034 citing authors

#	Article	IF	Citations
1	Resting-state hemodynamics are spatiotemporally coupled to synchronized and symmetric neural activity in excitatory neurons. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8463-E8471.	3.3	269
2	Wide-field optical mapping of neural activity and brain haemodynamics: considerations and novel approaches. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150360.	1.8	243
3	Rapid Postnatal Expansion of Neural Networks Occurs in an Environment of Altered Neurovascular and Neurometabolic Coupling. Journal of Neuroscience, 2016, 36, 6704-6717.	1.7	63
4	Glioma-Induced Alterations in Neuronal Activity and Neurovascular Coupling during Disease Progression. Cell Reports, 2020, 31, 107500.	2.9	61
5	Localized semi-nonnegative matrix factorization (LocaNMF) of widefield calcium imaging data. PLoS Computational Biology, 2020, 16, e1007791.	1.5	52
6	Neurovascular dynamics of repeated cortical spreading depolarizations after acute brain injury. Cell Reports, 2021, 37, 109794.	2.9	15
7	Wide-field optical mapping of neural activity in awake mice and the importance of hemodynamic correction. , 2017, , .		2
8	Optical Imaging and Microscopy of the Living Brain. , 2012, , .		0
9	Simultaneous Multi-Region Imaging Of Neuronal Activity, Hemodynamics And Speckle Flow In Awake Mice. , 2015, , .		0
10	Localized semi-nonnegative matrix factorization (LocaNMF) of widefield calcium imaging data. , 2020, 16, e1007791.		0
11	Localized semi-nonnegative matrix factorization (LocaNMF) of widefield calcium imaging data. , 2020, 16, e1007791.		0
12	Localized semi-nonnegative matrix factorization (LocaNMF) of widefield calcium imaging data. , 2020, 16, e1007791.		0
13	Localized semi-nonnegative matrix factorization (LocaNMF) of widefield calcium imaging data. , 2020, 16, e1007791.		0