

# Clare Howarth

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5583442/publications.pdf>

Version: 2024-02-01

18  
papers

2,289  
citations

840585

11  
h-index

887953

17  
g-index

24  
all docs

24  
docs citations

24  
times ranked

3710  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of neurovascular coupling and cortical spreading depression in mixed mouse models of atherosclerosis and Alzheimer's disease. <i>ELife</i> , 2022, 11, .	2.8	12
2	The effects of locomotion on sensory-evoked haemodynamic responses in the cortex of awake mice. <i>Scientific Reports</i> , 2022, 12, 6236.	1.6	4
3	More than just summed neuronal activity: how multiple cell types shape the BOLD response. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190630.	1.8	34
4	Key relationships between non-invasive functional neuroimaging and the underlying neuronal activity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190622.	1.8	9
5	The effect of hyperglycemia on neurovascular coupling and cerebrovascular patterning in zebrafish. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 298-313.	2.4	16
6	Key Aspects of Neurovascular Control Mediated by Specific Populations of Inhibitory Cortical Interneurons. <i>Cerebral Cortex</i> , 2020, 30, 2452-2464.	1.6	46
7	Neurovascular coupling preserved in a chronic mouse model of Alzheimer's disease: Methodology is critical. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2289-2303.	2.4	11
8	Enhanced Cerebral Blood Volume under Normobaric Hyperoxia in the J20-hAPP Mouse Model of Alzheimer's Disease. <i>Scientific Reports</i> , 2020, 10, 7518.	1.6	12
9	Sodium nitroprusside prevents the detrimental effects of glucose on the neurovascular unit and behaviour in zebrafish. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	8
10	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. <i>Journal of Neuroscience</i> , 2017, 37, 2403-2414.	1.7	58
11	Editorial: Neural Signal Estimation in the Human Brain. <i>Frontiers in Neuroscience</i> , 2016, 10, 185.	1.4	0
12	Bidirectional Control of Blood Flow by Astrocytes: A Role for Tissue Oxygen and Other Metabolic Factors. <i>Advances in Experimental Medicine and Biology</i> , 2016, 903, 209-219.	0.8	12
13	Interpreting BOLD: towards a dialogue between cognitive and cellular neuroscience. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150348.	1.8	46
14	Neurovascular and neuroimaging effects of the hallucinogenic serotonin receptor agonist psilocin in the rat brain. <i>Neuropharmacology</i> , 2015, 99, 210-220.	2.0	29
15	The contribution of astrocytes to the regulation of cerebral blood flow. <i>Frontiers in Neuroscience</i> , 2014, 8, 103.	1.4	140
16	Oxidative Phosphorylation, Not Glycolysis, Powers Presynaptic and Postsynaptic Mechanisms Underlying Brain Information Processing. <i>Journal of Neuroscience</i> , 2012, 32, 8940-8951.	1.7	353
17	Updated Energy Budgets for Neural Computation in the Neocortex and Cerebellum. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1222-1232.	2.4	542
18	Bidirectional control of CNS capillary diameter by pericytes. <i>Nature</i> , 2006, 443, 700-704.	13.7	953