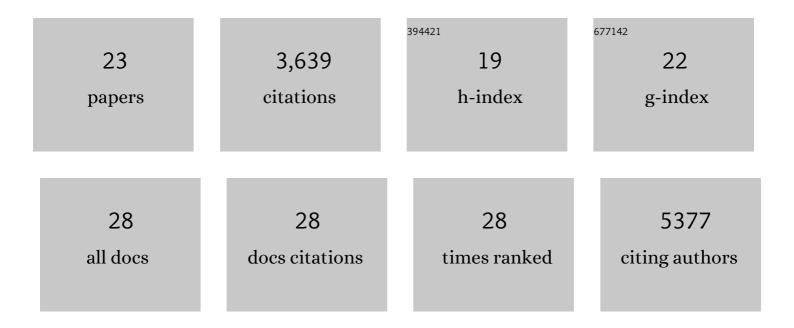
Aiman S Saab

List of Publications by Year in descending order

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AIMAN S SAAR

#	Article	IF	CITATIONS
1	Glycolytic oligodendrocytes maintain myelin and long-term axonal integrity. Nature, 2012, 485, 517-521.	27.8	1,120
2	Neurotransmitter-Triggered Transfer of Exosomes Mediates Oligodendrocyte–Neuron Communication. PLoS Biology, 2013, 11, e1001604.	5.6	663
3	Oligodendroglial NMDA Receptors Regulate Glucose Import and Axonal Energy Metabolism. Neuron, 2016, 91, 119-132.	8.1	381
4	The role of myelin and oligodendrocytes in axonal energy metabolism. Current Opinion in Neurobiology, 2013, 23, 1065-1072.	4.2	258
5	Bergmann Glial AMPA Receptors Are Required for Fine Motor Coordination. Science, 2012, 337, 749-753.	12.6	191
6	Myelin dynamics: protecting and shaping neuronal functions. Current Opinion in Neurobiology, 2017, 47, 104-112.	4.2	156
7	Monitoring ATP dynamics in electrically active white matter tracts. ELife, 2017, 6, .	6.0	102
8	Electron Microscopy of the Mouse Central Nervous System. Methods in Cell Biology, 2010, 96, 475-512.	1.1	92
9	Phosphatidylinositol 4,5-Bisphosphate-Dependent Interaction of Myelin Basic Protein with the Plasma Membrane in Oligodendroglial Cells and Its Rapid Perturbation by Elevated Calcium. Journal of Neuroscience, 2009, 29, 4794-4807.	3.6	90
10	Long-term In Vivo Calcium Imaging of Astrocytes Reveals Distinct Cellular Compartment Responses to Sensory Stimulation. Cerebral Cortex, 2018, 28, 184-198.	2.9	86
11	Arousal-induced cortical activity triggers lactate release from astrocytes. Nature Metabolism, 2020, 2, 179-191.	11.9	82
12	Non-Canonical Control of Neuronal Energy Status by the Na+ Pump. Cell Metabolism, 2019, 29, 668-680.e4.	16.2	79
13	Design and performance of an ultra-flexible two-photon microscope for in vivo research. Biomedical Optics Express, 2015, 6, 4228.	2.9	55
14	Shear-stress sensing by PIEZO1 regulates tendon stiffness in rodents and influences jumping performance in humans. Nature Biomedical Engineering, 2021, 5, 1457-1471.	22.5	54
15	Direct vascular contact is a hallmark of cerebral astrocytes. Cell Reports, 2022, 39, 110599.	6.4	47
16	Decoupling astrocytes in adult mice impairs synaptic plasticity and spatial learning. Cell Reports, 2022, 38, 110484.	6.4	43
17	Distinct signatures of calcium activity in brain mural cells. ELife, 2021, 10, .	6.0	31
18	Why do oligodendrocyte lineage cells express glutamate receptors?. F1000 Biology Reports, 2010, 2, 57.	4.0	28

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# Ar	RTICLE	IF	CITATIONS
19 Dif Co	ifferences in glutamate uptake between cortical regions impact neuronal NMDA receptor activation. ommunications Biology, 2019, 2, 127.	4.4	25
	enetic Background Affects Human Glial Fibrillary Acidic Protein Promoter Activity. PLoS ONE, 2013, 8, 56873.	2.5	19
21 A r	mechanism for myelin injury. Nature, 2016, 529, 474-475.	27.8	16
22 Int an	travitreal AAV-Delivery of Genetically Encoded Sensors Enabling Simultaneous Two-Photon Imaging nd Electrophysiology of Optic Nerve Axons. Frontiers in Cellular Neuroscience, 2018, 12, 377.	3.7	14
	ia-neuron metabolic interaction in the light of in vivo two-photon imaging: Astrocytes release ctate upon arousal-induced cortical activity. , 2019, , .		0