

# Philip G Haydon

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

6,309  
citations

304743

22  
h-index

414414

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

7085  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuronal activity drives pathway-specific depolarization of peripheral astrocyte processes. <i>Nature Neuroscience</i> , 2022, 25, 607-616.	14.8	30
2	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021, 24, 312-325.	14.8	1,098
3	Behaviorally consequential astrocytic regulation of neural circuits. <i>Neuron</i> , 2021, 109, 576-596.	8.1	150
4	Mechanosensory Signaling in Astrocytes. <i>Journal of Neuroscience</i> , 2020, 40, 9364-9371.	3.6	61
5	23.1 ASTROCYTIC $\alpha 7$ NICOTINIC RECEPTORS MODULATE D-SERINE AND NMDA RECEPTOR FUNCTION. <i>Schizophrenia Bulletin</i> , 2019, 45, S125-S126.	4.3	0
6	BACE1 partial deletion induces synaptic plasticity deficit in adult mice. <i>Scientific Reports</i> , 2019, 9, 19877.	3.3	25
7	BACE1 elevation engendered by GGA3 deletion increases $\beta 2$ -amyloid pathology in association with APP elevation and decreased CHL1 processing in 5XFAD mice. <i>Molecular Neurodegeneration</i> , 2018, 13, 6.	10.8	24
8	A purinergic P2Y6 receptor agonist prodrug modulates airway inflammation, remodeling, and hyperreactivity in a mouse model of asthma. <i>Journal of Asthma and Allergy</i> , 2018, Volume 11, 159-171.	3.4	15
9	Astrocytes and the modulation of sleep. <i>Current Opinion in Neurobiology</i> , 2017, 44, 28-33.	4.2	88
10	Astrocytic control of synaptic function. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160154.	4.0	170
11	Septal Cholinergic Neuromodulation Tunes the Astrocyte-Dependent Gating of Hippocampal NMDA Receptors to Wakefulness. <i>Neuron</i> , 2017, 94, 840-854.e7.	8.1	179
12	Suppression of SNARE-dependent exocytosis in retinal glial cells and its effect on ischemia-induced neurodegeneration. <i>Glia</i> , 2017, 65, 1059-1071.	4.9	17
13	Connexin 43-Mediated Astroglial Metabolic Networks Contribute to the Regulation of the Sleep-Wake Cycle. <i>Neuron</i> , 2017, 95, 1365-1380.e5.	8.1	146
14	Astrocytic IP3/Ca2+ Signaling Modulates Theta Rhythm and REM Sleep. <i>Frontiers in Neural Circuits</i> , 2017, 11, 3.	2.8	41
15	Genetic Deletion of the Clathrin Adaptor GGA3 Reduces Anxiety and Alters GABAergic Transmission. <i>PLoS ONE</i> , 2016, 11, e0155799.	2.5	6
16	Molecular analysis of acute and chronic reactive astrocytes in the pilocarpine model of temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2016, 91, 315-325.	4.4	15
17	How Do Astrocytes Participate in Neural Plasticity?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a020438.	5.5	113
18	Purinergic receptor activation facilitates astrocytic GABAB receptor calcium signalling. <i>Neuropharmacology</i> , 2015, 88, 74-81.	4.1	11

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19	Extracellular Adenosine Protects against Streptococcus pneumoniae Lung Infection by Regulating Pulmonary Neutrophil Recruitment. PLoS Pathogens, 2015, 11, e1005126.	4.7	75
20	Glutamine Synthetase Stability and Subcellular Distribution in Astrocytes Are Regulated by $\beta$ -Aminobutyric Type B Receptors. Journal of Biological Chemistry, 2014, 289, 28808-28815.	3.4	17
21	Exocytosis of ATP From Astrocytes Modulates Phasic and Tonic Inhibition in the Neocortex. PLoS Biology, 2014, 12, e1001747.	5.6	222
22	Connexin 30 controls the extension of astrocytic processes into the synaptic cleft through an unconventional non-channel function. Neuroscience Bulletin, 2014, 30, 1045-1048.	2.9	10
23	Glutamate Travel in Time and Space. Neuron, 2014, 81, 728-739.	8.1	1,010
24	Chronic Sleep Restriction Disrupts Sleep Homeostasis and Behavioral Sensitivity to Alcohol by Reducing the Extracellular Accumulation of Adenosine. Journal of Neuroscience, 2014, 34, 1879-1891.	3.6	63
25	Bioengineered functional brain-like cortical tissue. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13811-13816.	7.1	255
26	Astrocytic adenosine: from synapses to psychiatric disorders. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130594.	4.0	47
27	Wakefulness Affects Synaptic and Network Activity by Increasing Extracellular Astrocyte-Derived Adenosine. Journal of Neuroscience, 2012, 32, 4417-4425.	3.6	129
28	Astrocyte-Derived Adenosine and A <sub>1</sub> Receptor Activity Contribute to Sleep Loss-Induced Deficits in Hippocampal Synaptic Plasticity and Memory in Mice. Journal of Neuroscience, 2011, 31, 6956-6962.	3.6	169
29	Astrocytes and epilepsy. Epilepsia, 2010, 51, 53-53.	5.1	20
30	Mechanically Induced Reactive Gliosis Causes ATP-Mediated Alterations in Astrocyte Stiffness. Journal of Neurotrauma, 2009, 26, 789-797.	3.4	56
31	Astrocytic Modulation of Sleep Homeostasis and Cognitive Consequences of Sleep Loss. Neuron, 2009, 61, 213-219.	8.1	746
32	Astrocytic Purinergic Signaling Coordinates Synaptic Networks. Science, 2005, 310, 113-116.	12.6	1,137