

# Ethan G Hughes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8733517/publications.pdf>

Version: 2024-02-01

27  
papers

8,144  
citations

331670

21  
h-index

552781

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

8057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Miniature structured illumination microscope for in vivo 3D imaging of brain structures with optical sectioning. <i>Biomedical Optics Express</i> , 2022, 13, 2530.	2.9	15
2	Characterization of red fluorescent reporters for dual-color in vivo three-photon microscopy. <i>Neurophotonics</i> , 2022, 9, 031912.	3.3	2
3	Premyelinating Oligodendrocytes: Mechanisms Underlying Cell Survival and Integration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 714169.	3.7	46
4	Special issue editorial: Glial plasticity in health and disease. <i>European Journal of Neuroscience</i> , 2021, 54, 5643-5648.	2.6	0
5	Motor learning promotes remyelination via new and surviving oligodendrocytes. <i>Nature Neuroscience</i> , 2020, 23, 819-831.	14.8	208
6	Neuron-oligodendroglia interactions: Activity-dependent regulation of cellular signaling. <i>Neuroscience Letters</i> , 2020, 727, 134916.	2.1	28
7	Molecularly defined cortical astroglia subpopulation modulates neurons via secretion of Norrin. <i>Nature Neuroscience</i> , 2019, 22, 741-752.	14.8	64
8	Myelin remodeling through experience-dependent oligodendrogenesis in the adult somatosensory cortex. <i>Nature Neuroscience</i> , 2018, 21, 696-706.	14.8	389
9	Three dimensional two-photon brain imaging in freely moving mice using a miniature fiber coupled microscope with active axial-scanning. <i>Scientific Reports</i> , 2018, 8, 8108.	3.3	103
10	Across Species "Natural Ablation" Reveals the Brainstem Source of a Noninvasive Biomarker of Binaural Hearing. <i>Journal of Neuroscience</i> , 2018, 38, 8563-8573.	3.6	22
11	Transient Opening of the Mitochondrial Permeability Transition Pore Induces Microdomain Calcium Transients in Astrocyte Processes. <i>Neuron</i> , 2017, 93, 587-605.e7.	8.1	338
12	Changes in the Excitability of Neocortical Neurons in a Mouse Model of Amyotrophic Lateral Sclerosis Are Not Specific to Corticospinal Neurons and Are Modulated by Advancing Disease. <i>Journal of Neuroscience</i> , 2017, 37, 9037-9053.	3.6	81
13	The cell biology of CNS myelination. <i>Current Opinion in Neurobiology</i> , 2016, 39, 93-100.	4.2	72
14	Cellular plasticity induced by anti- $\alpha$ - $\beta$ - $\gamma$ -aminobutyric acid (GABA) receptor encephalitis antibodies. <i>Annals of Neurology</i> , 2015, 77, 381-398.	3.3	122
15	Hidden Progenitors Replace Microglia in the Adult Brain. <i>Neuron</i> , 2014, 82, 253-255.	8.1	13
16	Oligodendrocyte progenitors balance growth with self-repulsion to achieve homeostasis in the adult brain. <i>Nature Neuroscience</i> , 2013, 16, 668-676.	14.8	639
17	Antibodies to the GABAB receptor in limbic encephalitis with seizures: case series and characterisation of the antigen. <i>Lancet Neurology</i> , The, 2010, 9, 67-76.	10.2	805
18	Mechanisms underlying autoimmune synaptic encephalitis leading to disorders of memory, behavior and cognition: insights from molecular, cellular and synaptic studies. <i>European Journal of Neuroscience</i> , 2010, 32, 298-309.	2.6	104

#	ARTICLE	IF	CITATIONS
19	Cellular and Synaptic Mechanisms of Anti-NMDA Receptor Encephalitis. <i>Journal of Neuroscience</i> , 2010, 30, 5866-5875.	3.6	959
20	Astrocyte secreted proteins selectively increase hippocampal GABAergic axon length, branching, and synaptogenesis. <i>Molecular and Cellular Neurosciences</i> , 2010, 43, 136-145.	2.2	106
21	AMPA receptor antibodies in limbic encephalitis alter synaptic receptor location. <i>Annals of Neurology</i> , 2009, 65, 424-434.	5.3	712
22	Mass spectrometric and computational analysis of cytokine-induced alterations in the astrocyte secretome. <i>Proteomics</i> , 2009, 9, 768-782.	2.2	66
23	Anti-NMDA-receptor encephalitis: case series and analysis of the effects of antibodies. <i>Lancet Neurology</i> , The, 2008, 7, 1091-1098.	10.2	2,696
24	Intracellular and Trans-Synaptic Regulation of Glutamatergic Synaptogenesis by EphB Receptors. <i>Journal of Neuroscience</i> , 2006, 26, 12152-12164.	3.6	198
25	Astrocytes Regulate Inhibitory Synapse Formation via Trk-Mediated Modulation of Postsynaptic GABA <sub>A</sub> Receptors. <i>Journal of Neuroscience</i> , 2005, 25, 3638-3650.	3.6	164
26	Neurotrophin signaling among neurons and glia during formation of tripartite synapses. <i>Neuron Glia Biology</i> , 2004, 1, 339-349.	1.6	41
27	Loss of glial fibrillary acidic protein results in decreased glutamate transport and inhibition of PKA-induced EAAT2 cell surface trafficking. <i>Molecular Brain Research</i> , 2004, 124, 114-123.	2.3	143