

# Soyon Hong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5145451/publications.pdf>

Version: 2024-02-01

26  
papers

5,709  
citations

361413

20  
h-index

580821

25  
g-index

38  
all docs

38  
docs citations

38  
times ranked

8939  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complement and microglia mediate early synapse loss in Alzheimer mouse models. <i>Science</i> , 2016, 352, 712-716.	12.6	2,237
2	Soluble Oligomers of Amyloid $\beta^2$ Protein Facilitate Hippocampal Long-Term Depression by Disrupting Neuronal Glutamate Uptake. <i>Neuron</i> , 2009, 62, 788-801.	8.1	818
3	New insights on the role of microglia in synaptic pruning in health and disease. <i>Current Opinion in Neurobiology</i> , 2016, 36, 128-134.	4.2	431
4	Complement C3 deficiency protects against neurodegeneration in aged plaque-rich APP/PS1 mice. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	401
5	Complement C3-Deficient Mice Fail to Display Age-Related Hippocampal Decline. <i>Journal of Neuroscience</i> , 2015, 35, 13029-13042.	3.6	286
6	Microglia modulate neurodegeneration in Alzheimer's and Parkinson's diseases. <i>Science</i> , 2020, 370, 66-69.	12.6	220
7	Soluble $\text{A}\beta^2$ Oligomers Are Rapidly Sequestered from Brain ISF In Vivo and Bind GM1 Ganglioside on Cellular Membranes. <i>Neuron</i> , 2014, 82, 308-319.	8.1	174
8	Dissection of artifactual and confounding glial signatures by single-cell sequencing of mouse and human brain. <i>Nature Neuroscience</i> , 2022, 25, 306-316.	14.8	166
9	Complement component C3 and complement receptor type 3 contribute to the phagocytosis and clearance of fibrillar $\text{A}\beta^2$ by microglia. <i>Glia</i> , 2012, 60, 993-1003.	4.9	136
10	New ELISAs with high specificity for soluble oligomers of amyloid $\beta^2$ protein detect natural $\text{A}\beta^2$ oligomers in human brain but not CSF. <i>Alzheimer's and Dementia</i> , 2013, 9, 99-112.	0.8	103
11	Dynamic Analysis of Amyloid $\beta^2$ -Protein in Behaving Mice Reveals Opposing Changes in ISF versus Parenchymal $\text{A}\beta^2$ during Age-Related Plaque Formation. <i>Journal of Neuroscience</i> , 2011, 31, 15861-15869.	3.6	95
12	LRP promotes endocytosis and degradation, but not transcytosis, of the amyloid- $\beta^2$ peptide in a blood-brain barrier in vitro model. <i>Neurobiology of Disease</i> , 2008, 30, 94-102.	4.4	94
13	Endocannabinoids accumulate in spinal cord of SOD1 G93A transgenic mice. <i>Journal of Neurochemistry</i> , 2004, 89, 1555-1557.	3.9	93
14	Cannabinol delays symptom onset in SOD1 (G93A) transgenic mice without affecting survival. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2005, 6, 182-184.	2.1	86
15	Histone Deacetylase Inhibition Modulates Kynurenine Pathway Activation in Yeast, Microglia, and Mice Expressing a Mutant Huntingtin Fragment. <i>Journal of Biological Chemistry</i> , 2008, 283, 7390-7400.	3.4	86
16	Microglia: Phagocytosing to Clear, Sculpt, and Eliminate. <i>Developmental Cell</i> , 2016, 38, 126-128.	7.0	80
17	Physical and functional interaction between the $\beta^1$ - and $\beta^3$ -secretases: A new model of regulated intramembrane proteolysis. <i>Journal of Cell Biology</i> , 2015, 211, 1157-1176.	5.2	52
18	Understanding microglial diversity and implications for neuronal function in health and disease. <i>Developmental Neurobiology</i> , 2021, 81, 507-523.	3.0	29

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19	Unraveling thrombin's true microglia-activating potential: markedly disparate profiles of pharmaceutical-grade and commercial-grade thrombin preparations. <i>Journal of Neurochemistry</i> , 2005, 95, 1177-1187.	3.9	24
20	New Brain Lymphatic Vessels Drain Old Concepts. <i>EBioMedicine</i> , 2015, 2, 776-777.	6.1	21
21	Insight into the role of phosphatidylserine in complement-mediated synapse loss in Alzheimer's disease. <i>Faculty Reviews</i> , 2021, 10, 19.	3.9	17
22	Structured Illumination Microscopy for the Investigation of Synaptic Structure and Function. <i>Methods in Molecular Biology</i> , 2017, 1538, 155-167.	0.9	13
23	TREM2: Keeping Microglia Fit during Good Times and Bad. <i>Cell Metabolism</i> , 2017, 26, 590-591.	16.2	8
24	The Jekyll and Hyde of TREM2. <i>Trends in Neurosciences</i> , 2020, 43, 739-740.	8.6	8
25	Research priorities for neuroimmunology: identifying the key research questions to be addressed by 2030. <i>Wellcome Open Research</i> , 2021, 6, 194.	1.8	5
26	S4-02-03: COMPLEMENT IN ALZHEIMER'S DISEASE: LESSONS FROM C3-DEFICIENT MICE. , 2014, 10, P240-P240.		0