

Jeffrey K Huang

List of Publications by Year in descending order

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43
papers

2,864
citations

304743

22
h-index

302126

39
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docs citations

43
times ranked

4087
citing authors

#	ARTICLE	IF	CITATIONS
1	Retinoid X receptor gamma signaling accelerates CNS remyelination. <i>Nature Neuroscience</i> , 2011, 14, 45-53.	14.8	449
2	The Presynaptic Particle Web. <i>Neuron</i> , 2001, 32, 63-77.	8.1	428
3	An Oligodendrocyte Cell Adhesion Molecule at the Site of Assembly of the Paranodal Axo-Glial Junction. <i>Journal of Cell Biology</i> , 2000, 150, 657-666.	5.2	280
4	Demyelination Causes Adult CNS Progenitors to Revert to an Immature State and Express Immune Cues That Support Their Migration. <i>Journal of Neuroscience</i> , 2015, 35, 4-20.	3.6	218
5	Organizing Principles of the Axoglial Apparatus. <i>Neuron</i> , 2001, 30, 335-344.	8.1	167
6	Overcoming remyelination failure in multiple sclerosis and other myelin disorders. <i>Experimental Neurology</i> , 2010, 225, 18-23.	4.1	161
7	Glial Membranes at the Node of Ranvier Prevent Neurite Outgrowth. <i>Science</i> , 2005, 310, 1813-1817.	12.6	147
8	Vitamin D receptor-retinoid X receptor heterodimer signaling regulates oligodendrocyte progenitor cell differentiation. <i>Journal of Cell Biology</i> , 2015, 211, 975-985.	5.2	118
9	Metabolism and mis-metabolism of the neuropathological signature protein TDP-43. <i>Journal of Cell Science</i> , 2014, 127, 3024-38.	2.0	78
10	Oligodendrocyte Bioenergetics in Health and Disease. <i>Neuroscientist</i> , 2019, 25, 334-343.	3.5	72
11	Oligodendrocyte regeneration: Its significance in myelin replacement and neuroprotection in multiple sclerosis. <i>Neuropharmacology</i> , 2016, 110, 633-643.	4.1	66
12	Products of alternatively spliced transcripts of the Wilms' tumor suppressor gene, wt1, have altered DNA binding specificity and regulate transcription in different ways. <i>Oncogene</i> , 1995, 10, 415-22.	5.9	63
13	IL411 augments CNS remyelination and axonal protection by modulating T cell driven inflammation. <i>Brain</i> , 2016, 139, 3121-3136.	7.6	56
14	Myelin Regeneration in Multiple Sclerosis: Targeting Endogenous Stem Cells. <i>Neurotherapeutics</i> , 2011, 8, 650-658.	4.4	47
15	A proteome map of axoglial specializations isolated and purified from human central nervous system. <i>Glia</i> , 2010, 58, 1949-1960.	4.9	46
16	WT1, the Wilms' tumor suppressor gene product, represses transcription through an interactive nuclear protein. <i>Oncogene</i> , 1995, 10, 1243-7.	5.9	46
17	Disposition of axonal caspr with respect to glial cell membranes: Implications for the process of myelination. <i>Journal of Neuroscience Research</i> , 2009, 87, 3480-3491.	2.9	45
18	Inhibition of phosphodiesterase-4 promotes oligodendrocyte precursor cell differentiation and enhances CNS remyelination. <i>EMBO Molecular Medicine</i> , 2013, 5, 1918-1934.	6.9	44

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19	Regenerative medicine in multiple sclerosis: Identifying pharmacological targets of adult neural stem cell differentiation. <i>Neurochemistry International</i> , 2011, 59, 329-32.	3.8	38
20	Creatine Enhances Mitochondrial-Mediated Oligodendrocyte Survival After Demyelinating Injury. <i>Journal of Neuroscience</i> , 2017, 37, 1479-1492.	3.6	37
21	Remyelination Pharmacotherapy Investigations Highlight Diverse Mechanisms Underlying Multiple Sclerosis Progression. <i>ACS Pharmacology and Translational Science</i> , 2019, 2, 372-386.	4.9	28
22	BDNF promotes target innervation of <i>Xenopus</i> mandibular trigeminal axons in vivo. <i>BMC Developmental Biology</i> , 2007, 7, 59.	2.1	26
23	Extrinsic Factors Driving Oligodendrocyte Lineage Cell Progression in CNS Development and Injury. <i>Neurochemical Research</i> , 2020, 45, 630-642.	3.3	23
24	Current status of myelin replacement therapies in multiple sclerosis. <i>Progress in Brain Research</i> , 2012, 201, 219-231.	1.4	22
25	Tracking the evolution of CNS remyelinating lesion in mice with neutral red dye. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14290-14299.	7.1	22
26	Peroxisome proliferator-activated receptor gamma-coactivator-1 alpha coordinates sphingolipid metabolism, lipid raft composition and myelin protein synthesis. <i>European Journal of Neuroscience</i> , 2013, 38, 2672-2683.	2.6	19
27	Accelerated Axonal Loss Following Acute CNS Demyelination in Mice Lacking Protein Tyrosine Phosphatase Receptor Type Z. <i>American Journal of Pathology</i> , 2012, 181, 1518-1523.	3.8	17
28	Surface Assembly Configurations and Packing Preferences of Fibrinogen Mediated by the Periodicity and Alignment Control of Block Copolymer Nanodomains. <i>ACS Nano</i> , 2016, 10, 7705-7720.	14.6	16
29	Giant ankyrin-B mediates transduction of axon guidance and collateral branch pruning factor sema 3A. <i>ELife</i> , 2021, 10, .	6.0	15
30	Acute motor deficit and subsequent remyelination-associated recovery following internal capsule demyelination in mice. <i>Journal of Neurochemistry</i> , 2021, 156, 917-928.	3.9	14
31	Neural Stem and Progenitor Cells in Nervous System Function and Therapy. <i>Stem Cells International</i> , 2016, 2016, 1-2.	2.5	13
32	Retinoic Acid Is Required for Oligodendrocyte Precursor Cell Production and Differentiation in the Postnatal Mouse Corpus Callosum. <i>ENeuro</i> , 2020, 7, ENEURO.0270-19.2019.	1.9	11
33	Retinoid X receptors as a potential avenue for regenerative medicine in multiple sclerosis. <i>Expert Review of Neurotherapeutics</i> , 2011, 11, 467-468.	2.8	10
34	The Cellular Senescence Factor Extracellular HMGB1 Directly Inhibits Oligodendrocyte Progenitor Cell Differentiation and Impairs CNS Remyelination. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 833186.	3.7	7
35	Macroscopic detection of demyelinated lesions in mouse PNS with neutral red dye. <i>Scientific Reports</i> , 2021, 11, 16906.	3.3	6
36	Messenger RNAs for Kinesins and Dynein are Located in Neural Processes. <i>Biological Bulletin</i> , 1999, 197, 259-260.	1.8	5

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37	Oligodendrocytes in health and disease. <i>Neuropharmacology</i> , 2016, 110, 537-538.	4.1	2
38	Anti-inflammatory Disease Therapies. <i>Toxicologic Pathology</i> , 2012, 40, 122-125.	1.8	1
39	86583 The role of creatine in developmental myelination and remyelination. <i>Journal of Clinical and Translational Science</i> , 2021, 5, 99-99.	0.6	1
40	2109. <i>Journal of Clinical and Translational Science</i> , 2017, 1, 1-1.	0.6	0
41	4492 The role of creatine in developmental myelination and remyelination. <i>Journal of Clinical and Translational Science</i> , 2020, 4, 103-103.	0.6	0
42	Vitamin D receptor-retinoid X receptor heterodimer signaling regulates oligodendrocyte progenitor cell differentiation. <i>Journal of Experimental Medicine</i> , 2015, 212, 212130IA113.	8.5	0
43	Morphological Studies of the Left Ventricle in the Creatine Deficiency Mice Model. <i>FASEB Journal</i> , 2022, 36, .	0.5	0