

Charles ffrench-Constant

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

5,188
citations

304743

22
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

7887
citing authors

#	ARTICLE	IF	CITATIONS
1	M2 microglia and macrophages drive oligodendrocyte differentiation during CNS remyelination. <i>Nature Neuroscience</i> , 2013, 16, 1211-1218.	14.8	1,357
2	Altered human oligodendrocyte heterogeneity in multiple sclerosis. <i>Nature</i> , 2019, 566, 543-547.	27.8	522
3	Retinoid X receptor gamma signaling accelerates CNS remyelination. <i>Nature Neuroscience</i> , 2011, 14, 45-53.	14.8	449
4	Regenerating CNS myelin "from mechanisms to experimental medicines. <i>Nature Reviews Neuroscience</i> , 2017, 18, 753-769.	10.2	413
5	Cholangiocytes act as facultative liver stem cells during impaired hepatocyte regeneration. <i>Nature</i> , 2017, 547, 350-354.	27.8	405
6	Disease-specific oligodendrocyte lineage cells arise in multiple sclerosis. <i>Nature Medicine</i> , 2018, 24, 1837-1844.	30.7	351
7	CNS Myelin Sheath Lengths Are an Intrinsic Property of Oligodendrocytes. <i>Current Biology</i> , 2015, 25, 2411-2416.	3.9	266
8	Neuregulin and BDNF Induce a Switch to NMDA Receptor-Dependent Myelination by Oligodendrocytes. <i>PLoS Biology</i> , 2013, 11, e1001743.	5.6	264
9	Extracellular Matrix Regulation of Stem Cell Behavior. <i>Current Stem Cell Reports</i> , 2016, 2, 197-206.	1.6	166
10	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
11	FAT1 mutations cause a glomerulotubular nephropathy. <i>Nature Communications</i> , 2016, 7, 10822.	12.8	99
12	Hypomyelinating leukodystrophies " unravelling myelin biology. <i>Nature Reviews Neurology</i> , 2021, 17, 88-103.	10.1	83
13	Downregulation of the microtubule associated protein tau impairs process outgrowth and myelin basic protein mRNA transport in oligodendrocytes. <i>Glia</i> , 2015, 63, 1621-1635.	4.9	65
14	Endothelin signalling mediates experience-dependent myelination in the CNS. <i>ELife</i> , 2019, 8, .	6.0	64
15	Selective rab11 transport and the intrinsic regenerative ability of CNS axons. <i>ELife</i> , 2017, 6, .	6.0	59
16	Regulation of the neural stem cell compartment by extracellular matrix constituents. <i>Progress in Brain Research</i> , 2014, 214, 3-28.	1.4	56
17	Gelsolin dysfunction causes photoreceptor loss in induced pluripotent cell and animal retinitis pigmentosa models. <i>Nature Communications</i> , 2017, 8, 271.	12.8	52
18	Scaffold-Mediated Sustained, Non-viral Delivery of miR-219/miR-338 Promotes CNS Remyelination. <i>Molecular Therapy</i> , 2019, 27, 411-423.	8.2	44

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19	Safety and efficacy of bexarotene in patients with relapsing-remitting multiple sclerosis (CCMR One): a randomised, double-blind, placebo-controlled, parallel-group, phase 2a study. <i>Lancet Neurology</i> , The, 2021, 20, 709-720.	10.2	44
20	iPSC-derived myelinoids to study myelin biology of humans. <i>Developmental Cell</i> , 2021, 56, 1346-1358.e6.	7.0	34
21	PI3K δ kinase delta enhances axonal PIP ₃ to support axon regeneration in the adult CNS. <i>EMBO Molecular Medicine</i> , 2020, 12, e11674.	6.9	31
22	Biomimicking Fiber Platform with Tunable Stiffness to Study Mechanotransduction Reveals Stiffness Enhances Oligodendrocyte Differentiation but Impedes Myelination through YAP-Dependent Regulation. <i>Small</i> , 2020, 16, e2003656.	10.0	25
23	The Matricellular Protein R-Spondin 2 Promotes Midbrain Dopaminergic Neurogenesis and Differentiation. <i>Stem Cell Reports</i> , 2018, 11, 651-664.	4.8	22
24	The guanine nucleotide exchange factor Vav3 modulates oligodendrocyte precursor differentiation and supports remyelination in white matter lesions. <i>Glia</i> , 2019, 67, 376-392.	4.9	22
25	Microfiber drug/gene delivery platform for study of myelination. <i>Acta Biomaterialia</i> , 2018, 75, 152-160.	8.3	21
26	Oligodendrocyte HCN2 Channels Regulate Myelin Sheath Length. <i>Journal of Neuroscience</i> , 2021, 41, 7954-7964.	3.6	20
27	Disc1 Variation Leads to Specific Alterations in Adult Neurogenesis. <i>PLoS ONE</i> , 2014, 9, e108088.	2.5	19
28	Familial t(1;11) translocation is associated with disruption of white matter structural integrity and oligodendrocyte myelin dysfunction. <i>Molecular Psychiatry</i> , 2019, 24, 1641-1654.	7.9	18
29	Hippocampal Neurogenesis Requires Cell-Autonomous Thyroid Hormone Signaling. <i>Stem Cell Reports</i> , 2020, 14, 845-860.	4.8	18
30	Seeing Is Believing: Myelin Dynamics in the Adult CNS. <i>Neuron</i> , 2018, 98, 684-686.	8.1	15
31	Laminin ± 2 controls mouse and human stem cell behaviour during midbrain dopaminergic neuron development. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	13
32	Age-related loss of axonal regeneration is reflected by the level of local translation. <i>Experimental Neurology</i> , 2021, 339, 113594.	4.1	8
33	Distinct Actions of the Thyroid Hormone Transporters Mct8 and Oatp1c1 in Murine Adult Hippocampal Neurogenesis. <i>Cells</i> , 2022, 11, 524.	4.1	8
34	Use of induced pluripotent stem-cell technology to understand photoreceptor cytoskeletal dynamics in retinitis pigmentosa. <i>Lancet</i> , The, 2015, 385, S69.	13.7	7
35	Combinatorial ECM Arrays Identify Cooperative Roles for Matricellular Proteins in Enhancing the Generation of TH+ Neurons From Human Pluripotent Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 755406.	3.7	5
36	Oligodendrocyte-Neuron Myelinating Coculture. <i>Methods in Molecular Biology</i> , 2019, 1936, 111-128.	0.9	4

#	ARTICLE	IF	CITATIONS
37	Establishing an Adult Mouse Brain Hippocampal Organotypic Slice Culture System that Allows for Tracing and Pharmacological Manipulation of ex vivo Neurogenesis. Bio-protocol, 2021, 11, e3869.	0.4	4
38	Neural stem cell quiescence comes to an un-sticky end. Nature Cell Biology, 2014, 16, 625-627.	10.3	2
39	Can the Irradiated Brain Be Salvaged by Oligodendrocyte Precursor Transplantation?. Cell Stem Cell, 2015, 16, 113-114.	11.1	2
40	Oriented and sustained protein expression on biomimicking electrospun fibers for evaluating functionality of cells. Materials Science and Engineering C, 2021, 118, 111407.	7.3	2
41	Staining and Quantitative Analysis of Myelinating Oligodendrocytes in the Mouse Grey Matter. Bio-protocol, 2020, 10, e3792.	0.4	2
42	Transplanted t(1;11) patient-derived OPCs form shorter myelin internodes in the hypomyelinated shiverer mice. Molecular Psychiatry, 2019, 24, 1567-1567.	7.9	0