Jared Sterneckert

List of Publications by Year
in descending order

50 papers	4,649 citations	159585 30 h-index	182427 51 g-index
55 all docs	55 docs citations	55 times ranked	7881 citing authors

#	Article	IF	Citations
1	Alteration of Mitochondrial Integrity as Upstream Event in the Pathophysiology of SOD1-ALS. Cells, 2022, 11, 1246.	4.1	11
2	Concomitant gain and loss of function pathomechanisms in C9ORF72 amyotrophic lateral sclerosis. Life Science Alliance, 2021, 4, e202000764.	2.8	11
3	Hsp90â€mediated regulation of DYRK3 couples stress granule disassembly and growth via mTORC1 signaling. EMBO Reports, 2021, 22, e51740.	4.5	41
4	FUS Is Not Mislocalized in Spinal Motor Neurons Derived From Human Induced Pluripotent Stem Cells of Main Non-FUS ALS Subtypes. Journal of Neuropathology and Experimental Neurology, 2021, 80, 720-722.	1.7	1
5	A selectable all-in-one CRISPR prime editing piggyBac transposon allows for highly efficient gene editing in human cell lines. Scientific Reports, 2021, 11, 22154.	3.3	19
6	Genome Wide Analysis Points towards Subtype-Specific Diseases in Different Genetic Forms of Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2020, 21, 6938.	4.1	11
7	Combined Dendritic and Axonal Deterioration Are Responsible for Motoneuronopathy in Patient-Derived Neuronal Cell Models of Chorea-Acanthocytosis. International Journal of Molecular Sciences, 2020, 21, 1797.	4.1	12
8	Knocking out C9ORF72 Exacerbates Axonal Trafficking Defects Associated with Hexanucleotide Repeat Expansion and Reduces Levels of Heat Shock Proteins. Stem Cell Reports, 2020, 14, 390-405.	4.8	48
9	Human Spinal Motor Neurons Are Particularly Vulnerable to Cerebrospinal Fluid of Amyotrophic Lateral Sclerosis Patients. International Journal of Molecular Sciences, 2020, 21, 3564.	4.1	7
10	A customizable microfluidic platform for medium-throughput modeling of neuromuscular circuits. Biomaterials, 2019, 225, 119537.	11.4	24
11	Viral Infections Exacerbate FUS-ALS Phenotypes in iPSC-Derived Spinal Neurons in a Virus Species-Specific Manner. Frontiers in Cellular Neuroscience, 2019, 13, 480.	3.7	19
12	Discovery of the Hedgehog Pathway Inhibitor Pipinib that Targets PI4KIIIÃŸ. Angewandte Chemie - International Edition, 2019, 58, 16617-16628.	13.8	10
13	Discovery of the Hedgehog Pathway Inhibitor Pipinib that Targets PI4KIIIÃŸ. Angewandte Chemie, 2019, 131, 16770-16781.	2.0	4
14	Altered calcium dynamics and glutamate receptor properties in iPSC-derived motor neurons from ALS patients with C9orf72, FUS, SOD1 or TDP43 mutations. Human Molecular Genetics, 2019, 28, 2835-2850.	2.9	39
15	FUS pathology in ALS is linked to alterations in multiple ALS-associated proteins and rescued by drugs stimulating autophagy. Acta Neuropathologica, 2019, 138, 67-84.	7.7	94
16	Dual Inhibition of GSK3Î² and CDK5 Protects the Cytoskeleton of Neurons from Neuroinflammatory-Mediated Degeneration InÂVitro and InÂVivo. Stem Cell Reports, 2019, 12, 502-517.	4.8	45
17	Muscleblind acts as a modifier of FUS toxicity by modulating stress granule dynamics and SMN localization. Nature Communications, 2019, 10, 5583.	12.8	31
18	Phenotypic Screening Using Mouse and Human Stem Cell-Based Models of Neuroinflammation and Gene Expression Analysis to Study Drug Responses. Methods in Molecular Biology, 2019, 1888, 21-43.	0.9	3

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19	RNA buffers the phase separation behavior of prion-like RNA binding proteins. Science, 2018, 360, 918-921.	12.6	837
20	Dynarrestin, a Novel Inhibitor of Cytoplasmic Dynein. Cell Chemical Biology, 2018, 25, 357-369.e6.	5.2	56
21	Isogenic FUS-eGFP iPSC Reporter Lines Enable Quantification of FUS Stress Granule Pathology that Is Rescued by Drugs Inducing Autophagy. Stem Cell Reports, 2018, 10, 375-389.	4.8	95
22	Impaired DNA damage response signaling by FUS-NLS mutations leads to neurodegeneration and FUS aggregate formation. Nature Communications, 2018, 9, 335.	12.8	217
23	Defective mitochondrial and lysosomal trafficking in chorea-acanthocytosis is independent of Src-kinase signaling. Molecular and Cellular Neurosciences, 2018, 92, 137-148.	2.2	14
24	Generation of iPSCs carrying a common LRRK2 risk allele for in vitro modeling of idiopathic Parkinson's disease. PLoS ONE, 2018, 13, e0192497.	2.5	20
25	Rapid and efficient generation of oligodendrocytes from human induced pluripotent stem cells using transcription factors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2243-E2252.	7.1	189
26	Astrocyte pathology in a human neural stem cell model of frontotemporal dementia caused by mutant TAU protein. Scientific Reports, 2017, 7, 42991.	3.3	76
27	HDAC6 inhibition reverses axonal transport defects in motor neurons derived from FUS-ALS patients. Nature Communications, 2017, 8, 861.	12.8	275
28	Discovery of a Novel Inhibitor of the Hedgehog Signaling Pathway through Cellâ€based Compound Discovery and Target Prediction. Angewandte Chemie, 2017, 129, 13201-13205.	2.0	7
29	Discovery of a Novel Inhibitor of the Hedgehog Signaling Pathway through Cellâ€based Compound Discovery and Target Prediction. Angewandte Chemie - International Edition, 2017, 56, 13021-13025.	13.8	22
30	Primary Spinal OPC Culture System from Adult Zebrafish to Study Oligodendrocyte Differentiation In Vitro. Frontiers in Cellular Neuroscience, 2017, 11, 284.	3.7	11
31	4-Aminopyridine Induced Activity Rescues Hypoexcitable Motor Neurons from Amyotrophic Lateral Sclerosis Patient-Derived Induced Pluripotent Stem Cells. Stem Cells, 2016, 34, 1563-1575.	3.2	109
32	C9ORF72 interaction with cofilin modulates actin dynamics in motor neurons. Nature Neuroscience, 2016, 19, 1610-1618.	14.8	131
33	Neuronal Dysfunction in iPSC-Derived Medium Spiny Neurons from Chorea-Acanthocytosis Patients Is Reversed by Src Kinase Inhibition and F-Actin Stabilization. Journal of Neuroscience, 2016, 36, 12027-12043.	3.6	40
34	Leucine-Rich Repeat Kinase 2 Influences Fate Decision of Human Monocytes Differentiated from Induced Pluripotent Stem Cells. PLoS ONE, 2016, 11, e0165949.	2.5	18
35	Distinct Neurodegenerative Changes in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia Linked to Mutant TAU Protein. Stem Cell Reports, 2015, 5, 83-96.	4.8	82
36	Stepwise acquirement of hallmark neuropathology in FUS-ALS iPSC models depends on mutation type and neuronal aging. Neurobiology of Disease, 2015, 82, 420-429.	4.4	59

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37	Origin-Dependent Neural Cell Identities in Differentiated Human iPSCs InÂVitro and after Transplantation into the Mouse Brain. Cell Reports, 2014, 8, 1697-1703.	6.4	41
38	Human iPSC models of neuronal ceroid lipofuscinosis capture distinct effects of TPP1 and CLN3 mutations on the endocytic pathway. Human Molecular Genetics, 2014, 23, 2005-2022.	2.9	121
39	iPS cell derived neuronal cells for drug discovery. Trends in Pharmacological Sciences, 2014, 35, 510-519.	8.7	57
40	Molecular and Functional Analyses of Motor Neurons Generated from Human Cord-Blood-Derived Induced Pluripotent Stem Cells. Stem Cells and Development, 2014, 23, 3011-3020.	2.1	20
41	Highly Enantioselective Catalytic Synthesis of Neurite Growth-Promoting Secoyohimbanes. Chemistry and Biology, 2013, 20, 500-509.	6.0	47
42	Genetic Correction of a LRRK2 Mutation in Human iPSCs Links Parkinsonian Neurodegeneration to ERK-Dependent Changes in Gene Expression. Cell Stem Cell, 2013, 12, 354-367.	11.1	448
43	Discovery of Neuritogenic Compound Classes Inspired by Natural Products. Angewandte Chemie - International Edition, 2013, 52, 9576-9581.	13.8	72
44	Derivation and Expansion Using Only Small Molecules of Human Neural Progenitors for Neurodegenerative Disease Modeling. PLoS ONE, 2013, 8, e59252.	2.5	370
45	Discovery of Inhibitors of Microglial Neurotoxicity Acting Through Multiple Mechanisms Using a Stem-Cell-Based Phenotypic Assay. Cell Stem Cell, 2012, 11, 620-632.	11.1	75
46	Concise Review: Oct4 and More: The Reprogramming Expressway. Stem Cells, 2012, 30, 15-21.	3.2	98
47	Distinct Developmental Ground States of Epiblast Stem Cell Lines Determine Different Pluripotency Features. Stem Cells, 2011, 29, 1496-1503.	3.2	98
48	Neural Induction Intermediates Exhibit Distinct Roles of Fgf Signaling. Stem Cells, 2010, 28, 1772-1781.	3.2	35
49	Conserved and Divergent Roles of FGF Signaling in Mouse Epiblast Stem Cells and Human Embryonic Stem Cells. Cell Stem Cell, 2010, 6, 215-226.	11.1	308
50	Assimilation of Nicotinamide Mononucleotide Requires Periplasmic AphA Phosphatase in Salmonella enterica. Journal of Bacteriology, 2005, 187, 4521-4530.	2.2	31