Steven Finkbeiner

List of Publications by Year in Descending Order

71 papers	10,875 citations	37 h-index	104 g-index
123 ext. papers	12,565 ext. citations	11.2 avg, IF	5.89 L-index

#	Paper	IF	Citations
71	Single-cell transcriptomics of human iPSC differentiation dynamics reveal a core molecular network of Parkinson's disease.. *Communications Biology*, **2022**, 5, 49	6.7	1
70	Answer ALS, a large-scale resource for sporadic and familial ALS combining clinical and multi-omics data from induced pluripotent cell lines.. *Nature Neuroscience*, **2022**, 25, 226-237	25.5	6
69	The E3 ligase TRIM1 ubiquitinates LRRK2 and controls its localization, degradation, and toxicity.. *Journal of Cell Biology*, **2022**, 221,	7.3	1
68	Generation of two human induced pluripotent stem cell lines from fibroblasts of Parkinson's disease patients carrying the ILE368ASN mutation in PINK1 (LCSBi002) and the R275W mutation in Parkin (LCSBI004).. *Stem Cell Research*, **2022**, 61, 102765	1.6	1
67	Generation of two human induced pluripotent stem cell lines (iPSCs) with mutations of the -synuclein (SNCA) gene associated with Parkinson's disease; the A53T mutation (LCSBi003) and a triplication of the SNCA gene (LCSBi007). *Stem Cell Research*, **2021**, 57, 102600	1.6	
66	Generation of two human induced pluripotent stem cell lines from fibroblasts of unrelated Parkinson's patients carrying the G2019S mutation in the LRRK2 gene (LCSBi005, LCSBi006). *Stem Cell Research*, **2021**, 57, 102569	1.6	2
65	Transcriptional signatures in iPSC-derived neurons are reproducible across labs when differentiation protocols are closely matched. *Stem Cell Research*, **2021**, 56, 102558	1.6	
64	An integrated multi-omic analysis of iPSC-derived motor neurons from C9ORF72 ALS patients. *IScience*, **2021**, 24, 103221	6.1	5
63	Longitudinal tracking of neuronal mitochondria delineates PINK1/Parkin-dependent mechanisms of mitochondrial recycling and degradation. *Science Advances*, **2021**, 7,	14.3	1
62	Persistent mRNA localization defects and cell death in ALS neurons caused by transient cellular stress. *Cell Reports*, **2021**, 36, 109685	10.6	1
61	Genetically encoded cell-death indicators (GEDI) to detect an early irreversible commitment to neurodegeneration. *Nature Communications*, **2021**, 12, 5284	17.4	2
60	Superhuman cell death detection with biomarker-optimized neural networks. *Science Advances*, **2021**, 7, eabf8142	14.3	1
59	Approaches to develop therapeutics to treat frontotemporal dementia. *Neuropharmacology*, **2020**, 166, 107948	5.5	6
58	Functional genomics, genetic risk profiling and cell phenotypes in neurodegenerative disease. *Neurobiology of Disease*, **2020**, 146, 105088	7.5	0
57	The endocytic membrane trafficking pathway plays a major role in the risk of Parkinson's disease. *Movement Disorders*, **2019**, 34, 460-468	7	40
56	Cell death assays for neurodegenerative disease drug discovery. *Expert Opinion on Drug Discovery*, **2019**, 14, 901-913	6.2	7
55	Automated four-dimensional long term imaging enables single cell tracking within organotypic brain slices to study neurodevelopment and degeneration. *Communications Biology*, **2019**, 2, 155	6.7	14

54	Small-Molecule Modulation of TDP-43 Recruitment to Stress Granules Prevents Persistent TDP-43 Accumulation in ALS/FTD. *Neuron*, **2019**, 103, 802-819.e11	13.9	88
53	In Silico Labeling: Predicting Fluorescent Labels in Unlabeled Images. *Cell*, **2018**, 173, 792-803.e19	56.2	276
52	Assessing microscope image focus quality with deep learning. *BMC Bioinformatics*, **2018**, 19, 77	3.6	81
51	Genome-wide Analyses Identify KIF5A as a Novel ALS Gene. *Neuron*, **2018**, 97, 1268-1283.e6	13.9	296
50	The Arc of cognition: Signaling cascades regulating Arc and implications for cognitive function and disease. *Seminars in Cell and Developmental Biology*, **2018**, 77, 63-72	7.5	20
49	The Psychiatric Cell Map Initiative: A Convergent Systems Biological Approach to Illuminating Key Molecular Pathways in Neuropsychiatric Disorders. *Cell*, **2018**, 174, 505-520	56.2	69
48	Deubiquitinase Usp12 functions noncatalytically to induce autophagy and confer neuroprotection in models of Huntington□s disease. *Nature Communications*, **2018**, 9, 3191	17.4	28
47	The Receptor-interacting Serine/Threonine Protein Kinase 1 (RIPK1) Regulates Progranulin Levels. *Journal of Biological Chemistry*, **2017**, 292, 3262-3272	5.4	11
46	Egocentric and allocentric visuospatial working memory in premotor Huntington□s disease: A double dissociation with caudate and hippocampal volumes. *Neuropsychologia*, **2017**, 101, 57-64	3.2	8
45	Nrf2 mitigates LRRK2- and □synuclein-induced neurodegeneration by modulating proteostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 1165-1170	11.5	73
44	Identification of hepta-histidine as a candidate drug for Huntington□s disease by in silico-in vitro- in vivo-integrated screens of chemical libraries. *Scientific Reports*, **2016**, 6, 33861	4.9	4
43	Protein-RNA Networks Regulated by Normal and ALS-Associated Mutant HNRNPA2B1 in the Nervous System. *Neuron*, **2016**, 92, 780-795	13.9	94
42	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
41	□B-Crystallin overexpression in astrocytes modulates the phenotype of the BACHD mouse model of Huntington□s disease. *Human Molecular Genetics*, **2016**, 25, 1677-89	5.6	22
40	Clinical Trials in a Dish: The Potential of Pluripotent Stem Cells to Develop Therapies for Neurodegenerative Diseases. *Annual Review of Pharmacology and Toxicology*, **2016**, 56, 489-510	17.9	60
39	A three-groups model for high-throughput survival screens. *Biometrics*, **2016**, 72, 936-44	1.8	5
38	Potential Transfer of Polyglutamine and CAG-Repeat RNA in Extracellular Vesicles in Huntington□s Disease: Background and Evaluation in Cell Culture. *Cellular and Molecular Neurobiology*, **2016**, 36, 459-70	4.6	48
37	Going retro: ancient viral origins of cognition. *Neuron*, **2015**, 86, 346-8	13.9	6

36	Cell-based screening: extracting meaning from complex data. *Neuron*, **2015**, 86, 160-74	13.9	33
35	Amelioration of toxicity in neuronal models of amyotrophic lateral sclerosis by hUPF1. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7821-6	11.5	79
34	Mutant LRRK2 toxicity in neurons depends on LRRK2 levels and synuclein but not kinase activity or inclusion bodies. *Journal of Neuroscience*, **2014**, 34, 418-33	6.6	115
33	Targeting the low-hanging fruit of neurodegeneration. *Neurology*, **2014**, 83, 1470-3	6.5	15
32	Potential function for the Huntingtin protein as a scaffold for selective autophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16889-94	11.5	183
31	Autophagy induction enhances TDP43 turnover and survival in neuronal ALS models. *Nature Chemical Biology*, **2014**, 10, 677-85	11.7	298
30	Targeting the intrinsically disordered structural ensemble of □synuclein by small molecules as a potential therapeutic strategy for Parkinson□s disease. *PLoS ONE*, **2014**, 9, e87133	3.7	98
29	Dexpramipexole is ineffective in two models of ALS related neurodegeneration. *PLoS ONE*, **2014**, 9, e91608	3.7	20
28	Proteostasis in striatal cells and selective neurodegeneration in Huntington□s disease. *Frontiers in Cellular Neuroscience*, **2014**, 8, 218	6.1	35
27	Proteostasis of polyglutamine varies among neurons and predicts neurodegeneration. *Nature Chemical Biology*, **2013**, 9, 586-92	11.7	133
26	Longitudinal measures of proteostasis in live neurons: features that determine fate in models of neurodegenerative disease. *FEBS Letters*, **2013**, 587, 1139-46	3.8	13
25	NUB1 snubs huntingtin toxicity. *Nature Neuroscience*, **2013**, 16, 523-5	25.5	6
24	Astrocyte pathology and the absence of non-cell autonomy in an induced pluripotent stem cell model of TDP-43 proteinopathy. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 4697-702	11.5	238
23	Protein aggregates in Huntington□s disease. *Experimental Neurology*, **2012**, 238, 1-11	5.7	222
22	High-throughput screening in primary neurons. *Methods in Enzymology*, **2012**, 506, 331-60	1.7	30
21	Mutant induced pluripotent stem cell lines recapitulate aspects of TDP-43 proteinopathies and reveal cell-specific vulnerability. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5803-8	11.5	254
20	Identifying polyglutamine protein species in situ that best predict neurodegeneration. *Nature Chemical Biology*, **2011**, 7, 925-34	11.7	152
19	A compact beta model of huntingtin toxicity. *Journal of Biological Chemistry*, **2011**, 286, 8188-8196	5.4	47

18	Direct membrane association drives mitochondrial fission by the Parkinson disease-associated protein alpha-synuclein. *Journal of Biological Chemistry*, **2011**, 286, 20710-26	5.4	423
17	Huntington's Disease. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3,	10.2	122
16	Bridging the Valley of Death of therapeutics for neurodegeneration. *Nature Medicine*, **2010**, 16, 1227-32	50.5	47
15	Quantitative relationships between huntingtin levels, polyglutamine length, inclusion body formation, and neuronal death provide novel insight into huntington's disease molecular pathogenesis. *Journal of Neuroscience*, **2010**, 30, 10541-50	6.6	135
14	A small-molecule scaffold induces autophagy in primary neurons and protects against toxicity in a Huntington disease model. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 16982-7	11.5	224
13	Cytoplasmic mislocalization of TDP-43 is toxic to neurons and enhanced by a mutation associated with familial amyotrophic lateral sclerosis. *Journal of Neuroscience*, **2010**, 30, 639-49	6.6	347
12	Protein turnover and inclusion body formation. *Autophagy*, **2009**, 5, 1037-8	10.2	42
11	Single neuron ubiquitin-proteasome dynamics accompanying inclusion body formation in huntington disease. *Journal of Biological Chemistry*, **2009**, 284, 4398-403	5.4	75
10	High-content screening of primary neurons: ready for prime time. *Current Opinion in Neurobiology*, **2009**, 19, 537-43	7.6	44
9	Disease-modifying pathways in neurodegeneration. *Journal of Neuroscience*, **2006**, 26, 10349-57	6.6	50
8	Automated microscope system for determining factors that predict neuronal fate. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 3840-5	11.5	96
7	Inclusion body formation reduces levels of mutant huntingtin and the risk of neuronal death. *Nature*, **2004**, 431, 805-10	50.4	1581
6	An evaluation of specificity in activity-dependent gene expression in neurons. *Progress in Neurobiology*, **2002**, 67, 469-77	10.9	22
5	Calcium regulation of the brain-derived neurotrophic factor gene. *Cellular and Molecular Life Sciences*, **2000**, 57, 394-401	10.3	77
4	CREB couples neurotrophin signals to survival messages. *Neuron*, **2000**, 25, 11-4	13.9	391
3	Sending signals from the synapse to the nucleus: Possible roles for CaMK, Ras/ERK, and SAPK pathways in the regulation of synaptic plasticity and neuronal growth. *Journal of Neuroscience Research*, **1999**, 58, 88-95	4.4	103
2	Sending signals from the synapse to the nucleus: Possible roles for CaMK, Ras/ERK, and SAPK pathways in the regulation of synaptic plasticity and neuronal growth **1999**, 58, 88		1
1	Answer ALS: A Large-Scale Resource for Sporadic and Familial ALS Combining Clinical Data with Multi-Omics Data from Induced Pluripotent Cell Lines		2