Anna Falk

List of Publications by Year
in descending order

71 papers	3,510 citations	186265 28 h-index	149698 56 g-index
78 all docs	78 docs citations	78 times ranked	5748 citing authors

#	Article	IF	Citations
1	Multiple therapeutic effects of human neural stem cells derived from induced pluripotent stem cells in a rat model of post-traumatic syringomyelia. EBioMedicine, 2022, 77, 103882.	6.1	4
2	Glyphosateâ€based herbicide induces longâ€lasting impairment in neuronal and glial differentiation. Environmental Toxicology, 2022, 37, 2044-2057.	4.0	5
3	Depression is associated with delirium after cardiac surgeryâ€"a population-based cohort study. Interactive Cardiovascular and Thoracic Surgery, 2022, 35, .	1.1	6
4	Delirium assessment â€“ Often ignored, always important. Intensive and Critical Care Nursing, 2021, 62, 102958.	2.9	0
5	Transplantation of Human Neural Precursor Cells Reverses Syrinx Growth in a Rat Model of Post-Traumatic Syringomyelia. Neurotherapeutics, 2021, 18, 1257-1272.	4.4	13
6	Protocol for the derivation, culturing, and differentiation of human iPS-cell-derived neuroepithelial stem cells to study neural differentiation inÂvitro. STAR Protocols, 2021, 2, 100528.	1.2	11
7	Crosstalk between astrocytes and microglia results in increased degradation of Î±-synuclein and amyloid-Î² aggregates. Journal of Neuroinflammation, 2021, 18, 124.	7.2	81
8	Broadly Active Antiviral Compounds Disturb Zika Virus Progeny Release Rescuing Virus-Induced Toxicity in Brain Organoids. Viruses, 2021, 13, 37.	3.3	15
9	Depression as a predictor of postoperative delirium after cardiac surgery: a systematic review and meta-analysis. Interactive Cardiovascular and Thoracic Surgery, 2021, 32, 371-379.	1.1	14
10	Partial Monosomy 21 Mirrors Gene Expression of Trisomy 21 in a Patient-Derived Neuroepithelial Stem Cell Model. Frontiers in Genetics, 2021, 12, 803683.	2.3	1
11	DNA methylation changes in Down syndrome derived neural iPSCs uncover co-dysregulation of ZNF and HOX3 families of transcription factors. Clinical Epigenetics, 2020, 12, 9.	4.1	20
12	Prolyl oligopeptidase inhibition by KYP-2407 increases alpha-synuclein fibril degradation in neuron-like cells. Biomedicine and Pharmacotherapy, 2020, 131, 110788.	5.6	11
13	Models of the blood-brain barrier using iPSC-derived cells. Molecular and Cellular Neurosciences, 2020, 107, 103533.	2.2	44
14	Modeling SHH-driven medulloblastoma with patient iPS cell-derived neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20127-20138.	7.1	23
15	Presynaptic dysfunction in CASK-related neurodevelopmental disorders. Translational Psychiatry, 2020, 10, 312.	4.8	28
16	Copy number variants (CNVs): a powerful tool for iPSC-based modelling of ASD. Molecular Autism, 2020, 11, 42.	4.9	14
17	Assembly of FN-silk with laminin-521 to integrate hPSCs into a three-dimensional culture for neural differentiation. Biomaterials Science, 2020, 8, 2514-2525.	5.4	10
18	Three-dimensional single-cell imaging for the analysis of RNA and protein expression in intact tumour biopsies. Nature Biomedical Engineering, 2020, 4, 875-888.	22.5	21

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19	p53 controls genomic stability and temporal differentiation of human neural stem cells and affects neural organization in human brain organoids. Cell Death and Disease, 2020, 11, 52.	6.3	33
20	Identification of cell surface markers and establishment of monolayer differentiation to retinal pigment epithelial cells. Nature Communications, 2020, 11, 1609.	12.8	26
21	hiPSâ€Derived Astroglia Model Shows Temporal Transcriptomic Profile Related to Human Neural Development and Glia Competence Acquisition of a Maturing Astrocytic Identity. Advanced Biology, 2020, 4, e1900226.	3.0	4
22	Dyslexia Candidate Gene and Ciliary Gene Expression Dynamics During Human Neuronal Differentiation. Molecular Neurobiology, 2020, 57, 2944-2958.	4.0	11
23	Single cell analysis of autism patient with bi-allelic NRXN1-alpha deletion reveals skewed fate choice in neural progenitors and impaired neuronal functionality. Experimental Cell Research, 2019, 383, 111469.	2.6	39
24	Ataxia in Patients With Bi-Allelic NFASC Mutations and Absence of Full-Length NF186. Frontiers in Genetics, 2019, 10, 896.	2.3	7
25	Singleâ€cell study of neural stem cells derived from human iPSCs reveals distinct progenitor populations with neurogenic and gliogenic potential. Genes To Cells, 2019, 24, 836-847.	1.2	24
26	The T-type Ca2+ Channel Cav3.2 Regulates Differentiation of Neural Progenitor Cells during Cortical Development via Caspase-3. Neuroscience, 2019, 402, 78-89.	2.3	9
27	NRXN1 Deletion and Exposure to Methylmercury Increase Astrocyte Differentiation by Different Notch-Dependent Transcriptional Mechanisms. Frontiers in Genetics, 2019, 10, 593.	2.3	11
28	Transcriptome and Proteome Profiling of Neural Induced Pluripotent Stem Cells from Individuals with Down Syndrome Disclose Dynamic Dysregulations of Key Pathways and Cellular Functions. Molecular Neurobiology, 2019, 56, 7113-7127.	4.0	36
29	SQSTM1/p62-Directed Metabolic Reprogramming Is Essential for Normal Neurodifferentiation. Stem Cell Reports, 2019, 12, 696-711.	4.8	32
30	Mutations in the mitochondrial tryptophanylâ€tRNA synthetase cause growth retardation and progressive leukoencephalopathy. Molecular Genetics & Genomic Medicine, 2019, 7, e654.	1.2	13
31	Humanized Stem Cell Models of Pediatric Medulloblastoma Reveal an Oct4/mTOR Axis that Promotes Malignancy. Cell Stem Cell, 2019, 25, 855-870.e11.	11.1	38
32	Oxidative DNA Damage Signalling in Neural Stem Cells in Alzheimerâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-10.	4.0	14
33	Stem cell models of schizophrenia, what have we learned and what is the potential?. Schizophrenia Research, 2019, 210, 3-12.	2.0	17
34	Generation of induced pluripotent stem cell lines from two Neuroblastoma patients carrying a germline ALK R1275Q mutation. Stem Cell Research, 2019, 34, 101356.	0.7	3
35	Human iPS-Derived Astroglia from a Stable Neural Precursor State Show Improved Functionality Compared with Conventional Astrocytic Models. Stem Cell Reports, 2018, 10, 1030-1045.	4.8	81
36	Modeling cancer using patient-derived induced pluripotent stem cells to understand development of childhood malignancies. Cell Death Discovery, 2018, 4, 7.	4.7	27

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37	Overactive BRCA1 Affects Presenilin 1 in Induced Pluripotent Stem Cell-Derived Neurons in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 62, 175-202.	2.6	36
38	An in vitro model of lissencephaly: expanding the role of DCX during neurogenesis. Molecular Psychiatry, 2018, 23, 1674-1684.	7.9	45
39	Barrier Properties and Transcriptome Expression in Human iPSC-Derived Models of the Bloodâ€“Brain Barrier. Stem Cells, 2018, 36, 1816-1827.	3.2	81
40	Quick Access to Human Astrocytic Software that Drives Neuronal Hardware. Stem Cell Reports, 2018, 11, 847-849.	4.8	0
41	Derivation of human iPS cell lines from monozygotic twins in defined and xeno free conditions. Stem Cell Research, 2017, 18, 22-25.	0.7	35
42	TRIM28 Controls a Gene Regulatory Network Based on Endogenous Retroviruses in Human Neural Progenitor Cells. Cell Reports, 2017, 18, 1-11.	6.4	87
43	Acute doses of caffeine shift nervous system cell expression profiles toward promotion of neuronal projection growth. Scientific Reports, 2017, 7, 11458.	3.3	14
44	Integration Free Derivation of Human Induced Pluripotent Stem Cells Using Laminin 521 Matrix. Journal of Visualized Experiments, 2017, , .	0.3	4
45	Lowâ€Pressure Cobaltâ€Catalyzed Enantioselective Hydrovinylation of Vinylarenes. Chemistry - A European Journal, 2016, 22, 7381-7384.	3.3	30
46	Generation of human iPS cell line CTL07-II from human fibroblasts, under defined and xeno-free conditions. Stem Cell Research, 2016, 17, 474-478.	0.7	21
47	A PBX1 transcriptional network controls dopaminergic neuron development and is impaired in Parkinson's disease. EMBO Journal, 2016, 35, 1963-1978.	7.8	85
48	Modeling psychiatric disorders: from genomic findings to cellular phenotypes. Molecular Psychiatry, 2016, 21, 1167-1179.	7.9	92
49	Glucocorticoids alter neuronal differentiation of human neuroepithelial-like cells by inducing long-lasting changes in the reactive oxygen species balance. Neuropharmacology, 2016, 107, 422-431.	4.1	23
50	Induction of sensory neurons from neuroepithelial stem cells by the ISX9 small molecule. American Journal of Stem Cells, 2016, 5, 19-28.	0.4	2
51	Enantioselective Nickelâ€Catalyzed Hydrocyanation using Chiral Phosphineâ€Phosphite Ligands: Recent Improvements and Insights. Advanced Synthesis and Catalysis, 2015, 357, 3317-3320.	4.3	47
52	The Roots of Autism and ADHD Twin Study in Sweden (RATSS). Twin Research and Human Genetics, 2014, 17, 164-176.	0.6	62
53	Spider silk for xeno-free long-term self-renewal and differentiation of human pluripotent stem cells. Biomaterials, 2014, 35, 8496-8502.	11.4	37
54	A 3D Alzheimer's disease culture model and the induction of P21-activated kinase mediated sensing in iPSC derived neurons. Biomaterials, 2014, 35, 1420-1428.	11.4	151

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55	Enantioselective Nickelâ€Catalyzed Hydrocyanation of Vinylarenes Using Chiral Phosphineâ€“Phosphite Ligands and TMSâ€CN as a Source of HCN. Angewandte Chemie - International Edition, 2013, 52, 1576-1580.	13.8	119
56	A Scalable Synthesis of Chiral Modular Phosphine-Phosphite Ligands. Synthesis, 2013, 45, 527-535.	2.3	13
57	Stem Cells Expanded from the Human Embryonic Hindbrain Stably Retain Regional Specification and High Neurogenic Potency. Journal of Neuroscience, 2013, 33, 12407-12422.	3.6	74
58	Automated Large-Scale Culture and Medium-Throughput Chemical Screen for Modulators of Proliferation and Viability of Human Induced Pluripotent Stem Cellâ€“Derived Neuroepithelial-like Stem Cells. Journal of Biomolecular Screening, 2013, 18, 258-268.	2.6	38
59	Generation of anti-Notch antibodies and their application in blocking Notch signalling in neural stem cells. Methods, 2012, 58, 69-78.	3.8	55
60	Capture of Neuroepithelial-Like Stem Cells from Pluripotent Stem Cells Provides a Versatile System for In Vitro Production of Human Neurons. PLoS ONE, 2012, 7, e29597.	2.5	254
61	Treatment of a Mouse Model of Spinal Cord Injury by Transplantation of Human Induced Pluripotent Stem Cell-Derived Long-Term Self-Renewing Neuroepithelial-Like Stem Cells. Stem Cells, 2012, 30, 1163-1173.	3.2	209
62	Non-immortalized human neural stem (NS) cells as a scalable platform for cellular assays. Neurochemistry International, 2011, 59, 432-444.	3.8	22
63	Imaging-based chemical screens using normal and glioma-derived neural stem cells. Biochemical Society Transactions, 2010, 38, 1067-1071.	3.4	28
64	CD133 (Prominin) Negative Human Neural Stem Cells Are Clonogenic and Tripotent. PLoS ONE, 2009, 4, e5498.	2.5	115
65	Long-term tripotent differentiation capacity of human neural stem (NS) cells in adherent culture. Molecular and Cellular Neurosciences, 2008, 38, 245-258.	2.2	199
66	High-Throughput Identification of Genes Promoting Neuron Formation and Lineage Choice in Mouse Embryonic Stem Cells. Stem Cells, 2007, 25, 1539-1545.	3.2	13
67	New neurons in old brains. Annals of Medicine, 2005, 37, 480-486.	3.8	21
68	Cross-talk between the Notch and TGF-Î² signaling pathways mediated by interaction of the Notch intracellular domain with Smad3. Journal of Cell Biology, 2003, 163, 723-728.	5.2	345
69	Functional Notch signaling is required for BMP4-induced inhibition of myogenic differentiation. Development (Cambridge), 2003, 130, 6089-6099.	2.5	230
70	Gene Delivery to Adult Neural Stem Cells. Experimental Cell Research, 2002, 279, 34-39.	2.6	80
71	Amphiregulin is a mitogen for adult neural stem cells. Journal of Neuroscience Research, 2002, 69, 757-762.	2.9	72