Madeline A Lancaster

List of Publications by Year
in descending order

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46	14,253	145106	242451
papers	citations	33 h-index	47 g-index

56	56	56	16622
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Androgens increase excitatory neurogenic potential in human brain organoids. Nature, 2022, 602, 112-116.	13.7	47
2	Brain organoids: A new frontier of human neuroscience research. Seminars in Cell and Developmental Biology, 2021, 111, 1-3.	2.3	3
3	Rethinking organoid technology through bioengineering. Nature Materials, 2021, 20, 145-155.	13.3	150
4	Generation and long-term culture of advanced cerebral organoids for studying later stages of neural development. Nature Protocols, 2021, 16, 579-602.	5.5	123
5	Voices of biotech research. Nature Biotechnology, 2021, 39, 281-286.	9.4	3
6	Population-scale single-cell RNA-seq profiling across dopaminergic neuron differentiation. Nature Genetics, 2021, 53, 304-312.	9.4	146
7	An early cell shape transition drives evolutionary expansion of the human forebrain. Cell, 2021, 184, 2084-2102.e19.	13.5	139
8	Building consensus on definition and nomenclature of hepatic, pancreatic, and biliary organoids. Cell Stem Cell, 2021, 28, 816-832.	5.2	133
9	Modeling neurodegeneration with mutant-tau organoids. Cell, 2021, 184, 4377-4379.	13.5	7
10	Breaking the barrier: InÂvitro models to study choroid plexus development. Current Opinion in Cell Biology, 2021, 73, 41-49.	2.6	5
11	Electron cryo-tomography reveals the subcellular architecture of growing axons in human brain organoids. ELife, 2021, 10, .	2.8	21
12	A proteinâ€€centric view of in vitro biological model systems for schizophrenia. Stem Cells, 2021, 39, 1569-1578.	1.4	0
13	Brain Organoids: Human Neurodevelopment in a Dish. Cold Spring Harbor Perspectives in Biology, 2020, 12, a035709.	2.3	65
14	SARS-CoV-2 Infects the Brain Choroid Plexus and Disrupts the Blood-CSF Barrier in Human Brain Organoids. Cell Stem Cell, 2020, 27, 951-961.e5.	5.2	388
15	Brain organoids for the study of human neurobiology at the interface of in vitro and in vivo. Nature Neuroscience, 2020, 23, 1496-1508.	7.1	171
16	Human CNS barrier-forming organoids with cerebrospinal fluid production. Science, 2020, 369, .	6.0	244
17	Cerebral organoids at the airâ€“liquid interface generate diverse nerve tracts with functional output. Nature Neuroscience, 2019, 22, 669-679.	7.1	398
18	Voices in methods development. Nature Methods, 2019, 16, 945-951.	9.0	5

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19	Disease modelling in human organoids. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	254
20	An Electric Take on Neural Fate and Cortical Development. Developmental Cell, 2019, 48, 1-2.	3.1	18
21	Crinkle-Cut Brain Organoids. Cell Stem Cell, 2018, 22, 616-618.	5.2	5
22	Exploring landscapes of brain morphogenesis with organoids. Development (Cambridge), 2018, 145, .	1.2	20
23	Brain organoids get vascularized. Nature Biotechnology, 2018, 36, 407-408.	9.4	34
24	Comprehensive comparative analysis of 5â€²-end RNA-sequencing methods. Nature Methods, 2018, 15, 505-511.	9.0	90
25	Probing human brain evolution and development in organoids. Current Opinion in Cell Biology, 2017, 44, 36-43.	2.6	90
26	Selfâ€organized developmental patterning and differentiation in cerebral organoids. EMBO Journal, 2017, 36, 1316-1329.	3.5	300
27	Guided self-organization and cortical plate formation in human brain organoids. Nature Biotechnology, 2017, 35, 659-666.	9.4	606
28	A Simple Method of Generating 3D Brain Organoids Using Standard Laboratory Equipment. Methods in Molecular Biology, 2017, 1576, 1-12.	0.4	24
29	Induction of Expansion and Folding in Human Cerebral Organoids. Cell Stem Cell, 2017, 20, 385-396.e3.	5.2	346
30	Non-model model organisms. BMC Biology, 2017, 15, 55.	1.7	164
31	Cerebral Organoids Recapitulate Epigenomic Signatures of the Human Fetal Brain. Cell Reports, 2016, 17, 3369-3384.	2.9	296
32	Dishing out mini-brains: Current progress and future prospects in brain organoid research. Developmental Biology, 2016, 420, 199-209.	0.9	256
33	Stem Cell Models of Human Brain Development. Cell Stem Cell, 2016, 18, 736-748.	5.2	290
34	Creating Patient-Specific Neural Cells for the InÂVitro Study of Brain Disorders. Stem Cell Reports, 2015, 5, 933-945.	2.3	72
35	Human cerebral organoids recapitulate gene expression programs of fetal neocortex development. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15672-15677.	3.3	870
36	Generation of cerebral organoids from human pluripotent stem cells. Nature Protocols, 2014, 9, 2329-2340.	5.5	1,189

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37	Organogenesis in a dish: Modeling development and disease using organoid technologies. Science, 2014, 345, 1247125.	6.0	1,937
38	Cerebral organoids model human brain development and microcephaly. Nature, 2013, 501, 373-379.	13.7	3,889
39	Spindle orientation in mammalian cerebral cortical development. Current Opinion in Neurobiology, 2012, 22, 737-746.	2.0	140
40	Subcellular spatial regulation of canonical Wnt signalling at the primary cilium. Nature Cell Biology, 2011, 13, 700-707.	4.6	223
41	Defective Wnt-dependent cerebellar midline fusion in a mouse model of Joubert syndrome. Nature Medicine, 2011, 17, 726-731.	15.2	138
42	AHI1 is required for photoreceptor outer segment development and is a modifier for retinal degeneration in nephronophthisis. Nature Genetics, 2010, 42, 175-180.	9.4	171
43	Cystic kidney disease: the role of Wnt signaling. Trends in Molecular Medicine, 2010, 16, 349-360.	3.5	75
44	Impaired Wntâ€“Î²-catenin signaling disrupts adult renal homeostasis and leads to cystic kidney ciliopathy. Nature Medicine, 2009, 15, 1046-1054.	15.2	156
45	The primary cilium as a cellular signaling center: lessons from disease. Current Opinion in Genetics and Development, 2009, 19, 220-229.	1.5	138
46	Mutations in CEP290, which encodes a centrosomal protein, cause pleiotropic forms of Joubert syndrome. Nature Genetics, 2006, 38, 623-625.	9.4	368