

Bastian Zimmer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10757966/publications.pdf>

Version: 2024-02-01

21
papers

1,763
citations

361413

20
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

2838
citing authors

#	ARTICLE	IF	CITATIONS
1	Deriving human ENS lineages for cell therapy and drug discovery in Hirschsprung disease. <i>Nature</i> , 2016, 531, 105-109.	27.8	252
2	Combined small-molecule inhibition accelerates the derivation of functional cortical neurons from human pluripotent stem cells. <i>Nature Biotechnology</i> , 2017, 35, 154-163.	17.5	186
3	A Modular Platform for Differentiation of Human PSCs into All Major Ectodermal Lineages. <i>Cell Stem Cell</i> , 2017, 21, 399-410.e7.	11.1	168
4	Specification of Functional Cranial Placode Derivatives from Human Pluripotent Stem Cells. <i>Cell Reports</i> , 2013, 5, 1387-1402.	6.4	99
5	Lipid Deprivation Induces a Stable, Naive-to-Primed Intermediate State of Pluripotency in Human PSCs. <i>Cell Stem Cell</i> , 2019, 25, 120-136.e10.	11.1	98
6	Reference compounds for alternative test methods to indicate developmental neurotoxicity (DNT) potential of chemicals: example lists and criteria for their selection and use. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 49-74.	1.5	94
7	Evaluation of Developmental Toxicants and Signaling Pathways in a Functional Test Based on the Migration of Human Neural Crest Cells. <i>Environmental Health Perspectives</i> , 2012, 120, 1116-1122.	6.0	93
8	Inborn Errors of RNA Lariat Metabolism in Humans with Brainstem Viral Infection. <i>Cell</i> , 2018, 172, 952-965.e18.	28.9	92
9	Epigenetic changes and disturbed neural development in a human embryonic stem cell-based model relating to the fetal valproate syndrome. <i>Human Molecular Genetics</i> , 2012, 21, 4104-4114.	2.9	88
10	Markers of murine embryonic and neural stem cells, neurons and astrocytes: reference points for developmental neurotoxicity testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2010, 27, 17-42.	1.5	83
11	Human SNORA31 variations impair cortical neuron-intrinsic immunity to HSV-1 and underlie herpes simplex encephalitis. <i>Nature Medicine</i> , 2019, 25, 1873-1884.	30.7	76
12	Compound selection for in vitro modeling of developmental neurotoxicity. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 2442.	3.0	69
13	Sensitivity of Dopaminergic Neuron Differentiation from Stem Cells to Chronic Low-Dose Methylmercury Exposure. <i>Toxicological Sciences</i> , 2011, 121, 357-367.	3.1	66
14	Capturing the biology of disease severity in a PSC-based model of familial dysautonomia. <i>Nature Medicine</i> , 2016, 22, 1421-1427.	30.7	58
15	Human iPSC-derived trigeminal neurons lack constitutive TLR3-dependent immunity that protects cortical neurons from HSV-1 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8775-E8782.	7.1	58
16	Derivation of Diverse Hormone-Releasing Pituitary Cells from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2016, 6, 858-872.	4.8	50
17	HSP90-incorporating chaperome networks as biosensor for disease-related pathways in patient-specific midbrain dopamine neurons. <i>Nature Communications</i> , 2018, 9, 4345.	12.8	40
18	GFAP-independent inflammatory competence and trophic functions of astrocytes generated from murine embryonic stem cells. <i>Glia</i> , 2012, 60, 218-228.	4.9	35

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19	Acrylamide alters neurotransmitter induced calcium responses in murine ESC-derived and primary neurons. <i>NeuroToxicology</i> , 2014, 43, 117-126.	3.0	34
20	Grouping of histone deacetylase inhibitors and other toxicants disturbing neural crest migration by transcriptional profiling. <i>NeuroToxicology</i> , 2015, 50, 56-70.	3.0	23
21	Automated Image Processing to Quantify Cell Migration. <i>Informatik Aktuell</i> , 2013, , 152-157.	0.6	1