

Sebastian Illes

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

574
citations

687363

13
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

977
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential acute impact of therapeutically effective and overdose concentrations of lithium on human neuronal single cell and network function. <i>Translational Psychiatry</i> , 2021, 11, 281.	4.8	9
2	Abnormal gene expression of BDNF, but not BDNF-AS, in iPSC, neural stem cells and postmortem brain samples from bipolar disorder. <i>Journal of Affective Disorders</i> , 2021, 290, 61-64.	4.1	6
3	TGF- \hat{I}^2 1 Suppresses Proliferation and Induces Differentiation in Human iPSC Neural in vitro Models. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 571332.	3.7	6
4	Partial reduction of amyloid \hat{I}^2 production by \hat{I}^2 -secretase inhibitors does not decrease synaptic transmission. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 63.	6.2	21
5	Human Cerebrospinal Fluid Promotes Neuronal Circuit Maturation of Human Induced Pluripotent Stem Cell-Derived 3D Neural Aggregates. <i>Stem Cell Reports</i> , 2020, 14, 1044-1059.	4.8	14
6	Robust Generation of Person-Specific, Synchronously Active Neuronal Networks Using Purely Isogenic Human iPSC-3D Neural Aggregate Cultures. <i>Frontiers in Neuroscience</i> , 2019, 13, 351.	2.8	35
7	Neuromodulation via the Cerebrospinal Fluid: Insights from Recent in Vitro Studies. <i>Frontiers in Neural Circuits</i> , 2018, 12, 5.	2.8	27
8	More than a drainage fluid: the role of CSF in signaling in the brain and other effects on brain tissue. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 146, 33-46.	1.8	14
9	Analysis and Modeling of Subthreshold Neural Multi-Electrode Array Data by Statistical Field Theory. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 26.	2.1	7
10	Human Cerebrospinal Fluid Promotes Neuronal Viability and Activity of Hippocampal Neuronal Circuits In Vitro. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 54.	3.7	13
11	Structural and functional rejuvenation of the aged brain by an approved anti-asthmatic drug. <i>Nature Communications</i> , 2015, 6, 8466.	12.8	139
12	Intrinsically Active and Pacemaker Neurons in Pluripotent Stem Cell-Derived Neuronal Populations. <i>Stem Cell Reports</i> , 2014, 2, 323-336.	4.8	32
13	In vitro neuronal network activity in NMDA receptor encephalitis. <i>BMC Neuroscience</i> , 2013, 14, 17.	1.9	25
14	A new role for interferon gamma in neural stem/precursor cell dysregulation. <i>Molecular Neurodegeneration</i> , 2011, 6, 18.	10.8	46
15	Cerebrospinal fluid of brain trauma patients inhibits <i>in vitro</i> neuronal network function via NMDA receptors. <i>Annals of Neurology</i> , 2009, 66, 546-555.	5.3	16
16	Protein tyrosine phosphatases expression during development of mouse superior colliculus. <i>Experimental Brain Research</i> , 2009, 199, 279-297.	1.5	7
17	Niche-dependent development of functional neuronal networks from embryonic stem cell-derived neural populations.. <i>BMC Neuroscience</i> , 2009, 10, 93.	1.9	62
18	Receptor protein tyrosine phosphatases are expressed by cycling retinal progenitor cells and involved in neuronal development of mouse retina. <i>Neuroscience</i> , 2008, 152, 618-645.	2.3	30

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19	Development and pharmacological modulation of embryonic stem cell-derived neuronal network activity. <i>Experimental Neurology</i> , 2007, 207, 171-176.	4.1	65
20	MEA technology combined with person-specific human iPSC-based cortical circuits for drug sensitivity and tolerance testing.. <i>Frontiers in Cellular Neuroscience</i> , 0, 12, .	3.7	0