

# 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	Structural and functional rejuvenation of the aged brain by an approved anti-asthmatic drug. Nature Communications, 2015, 6, 8466.	12.8	139
2	Development and pharmacological modulation of embryonic stem cell-derived neuronal network activity. Experimental Neurology, 2007, 207, 171-176.	4.1	65
3	Niche-dependent development of functional neuronal networks from embryonic stem cell-derived neural populations.. BMC Neuroscience, 2009, 10, 93.	1.9	62
4	A new role for interferon gamma in neural stem/precursor cell dysregulation. Molecular Neurodegeneration, 2011, 6, 18.	10.8	46
5	Robust Generation of Person-Specific, Synchronously Active Neuronal Networks Using Purely Isogenic Human iPSC-3D Neural Aggregate Cultures. Frontiers in Neuroscience, 2019, 13, 351.	2.8	35
6	Intrinsically Active and Pacemaker Neurons in Pluripotent Stem Cell-Derived Neuronal Populations. Stem Cell Reports, 2014, 2, 323-336.	4.8	32
7	Receptor protein tyrosine phosphatases are expressed by cycling retinal progenitor cells and involved in neuronal development of mouse retina. Neuroscience, 2008, 152, 618-645.	2.3	30
8	Neuromodulation via the Cerebrospinal Fluid: Insights from Recent in Vitro Studies. Frontiers in Neural Circuits, 2018, 12, 5.	2.8	27
9	In vitro neuronal network activity in NMDA receptor encephalitis. BMC Neuroscience, 2013, 14, 17.	1.9	25
10	Partial reduction of amyloid $\beta$ production by $\beta$ -secretase inhibitors does not decrease synaptic transmission. Alzheimer's Research and Therapy, 2020, 12, 63.	6.2	21
11	Cerebrospinal fluid of brain trauma patients inhibits <i>in vitro</i> neuronal network function via NMDA receptors. Annals of Neurology, 2009, 66, 546-555.	5.3	16
12	More than a drainage fluid: the role of CSF in signaling in the brain and other effects on brain tissue. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 146, 33-46.	1.8	14
13	Human Cerebrospinal Fluid Promotes Neuronal Circuit Maturation of Human Induced Pluripotent Stem Cell-Derived 3D Neural Aggregates. Stem Cell Reports, 2020, 14, 1044-1059.	4.8	14
14	Human Cerebrospinal Fluid Promotes Neuronal Viability and Activity of Hippocampal Neuronal Circuits In Vitro. Frontiers in Cellular Neuroscience, 2016, 10, 54.	3.7	13
15	Differential acute impact of therapeutically effective and overdose concentrations of lithium on human neuronal single cell and network function. Translational Psychiatry, 2021, 11, 281.	4.8	9
16	Protein tyrosine phosphatases expression during development of mouse superior colliculus. Experimental Brain Research, 2009, 199, 279-297.	1.5	7
17	Analysis and Modeling of Subthreshold Neural Multi-Electrode Array Data by Statistical Field Theory. Frontiers in Computational Neuroscience, 2017, 11, 26.	2.1	7
18	TGF- $\beta$ 1 Suppresses Proliferation and Induces Differentiation in Human iPSC Neural in vitro Models. Frontiers in Cell and Developmental Biology, 2020, 8, 571332.	3.7	6

#	ARTICLE	IF	CITATIONS
19	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
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