

Robert Krencik

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,457
citations

516710

16
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

4584
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing Gq-GPCRâ€‘induced human astrocyte reactivity using bioengineered neural organoids. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	8
2	Mapping Astrocyte Transcriptional Signatures in Response to Neuroactive Compounds. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3975.	4.1	12
3	Targeting the extracellular matrix for immunomodulation: applications in drug delivery and cell therapies. <i>Drug Delivery and Translational Research</i> , 2021, 11, 2394-2413.	5.8	9
4	DNAzyme Cleavage of CAG Repeat RNA in Polyglutamine Diseases. <i>Neurotherapeutics</i> , 2021, 18, 1710-1728.	4.4	10
5	A Comprehensive Review of Three-Dimensional Neuro-Organoids and Engineering Brain-on-a-Chip Microfluidic Devices. , 2021, , .		0
6	Humanized Biomimetic Nanovesicles for Neuron Targeting. <i>Advanced Science</i> , 2021, 8, e2101437.	11.2	13
7	Design, Microfabrication and Testing of Brain-on-a-Chip (BOC) Platform Using Neural Organoids (Spheroids). , 2021, , .		0
8	A contemporary review of therapeutic and regenerative management of intracerebral hemorrhage. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 2211-2221.	3.7	3
9	Humanized Biomimetic Nanovesicles for Neuron Targeting (<i>Adv. Sci.</i> 19/2021). <i>Advanced Science</i> , 2021, 8, 2170125.	11.2	0
10	Concepts toward directing human astroplasticity to promote neuroregeneration. <i>Developmental Dynamics</i> , 2019, 248, 21-33.	1.8	3
11	Mutations in GFAP Disrupt the Distribution and Function of Organelles in Human Astrocytes. <i>Cell Reports</i> , 2018, 25, 947-958.e4.	6.4	45
12	Synaptic Microcircuit Modeling with 3D Cocultures of Astrocytes and Neurons from Human Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	13
13	Systematic Three-Dimensional Coculture Rapidly Recapitulates Interactions between Human Neurons and Astrocytes. <i>Stem Cell Reports</i> , 2017, 9, 1745-1753.	4.8	90
14	Human stem cellâ€‘derived astrocytes replicate human prions in a <i>PRNP</i> genotypeâ€‘dependent manner. <i>Journal of Experimental Medicine</i> , 2017, 214, 3481-3495.	8.5	83
15	Human astrocytes are distinct contributors to the complexity of synaptic function. <i>Brain Research Bulletin</i> , 2017, 129, 66-73.	3.0	32
16	Zika virus cell tropism in the developing human brain and inhibition by azithromycin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14408-14413.	7.1	432
17	Efficient generation of region-specific forebrain neurons from human pluripotent stem cells under highly defined condition. <i>Scientific Reports</i> , 2016, 5, 18550.	3.3	42
18	Directed differentiation of basal forebrain cholinergic neurons from human pluripotent stem cells. <i>Journal of Neuroscience Methods</i> , 2016, 266, 42-49.	2.5	44

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19	Dysregulation of astrocyte extracellular signaling in Costello syndrome. <i>Science Translational Medicine</i> , 2015, 7, 286ra66.	12.4	70
20	Medial ganglionic eminence-like cells derived from human embryonic stem cells correct learning and memory deficits. <i>Nature Biotechnology</i> , 2013, 31, 440-447.	17.5	231
21	A cellular star atlas: using astrocytes from human pluripotent stem cells for disease studies. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 25.	3.7	34
22	Astrocytes and disease: a neurodevelopmental perspective. <i>Genes and Development</i> , 2012, 26, 891-907.	5.9	578
23	Directed differentiation of functional astroglial subtypes from human pluripotent stem cells. <i>Nature Protocols</i> , 2011, 6, 1710-1717.	12.0	222
24	Specification of transplantable astroglial subtypes from human pluripotent stem cells. <i>Nature Biotechnology</i> , 2011, 29, 528-534.	17.5	357
25	The COOH-terminal Domain of the JIL-1 Histone H3S10 Kinase Interacts with Histone H3 and Is Required for Correct Targeting to Chromatin. <i>Journal of Biological Chemistry</i> , 2008, 283, 32741-32750.	3.4	13
26	Stem cell neural differentiation: a model for chemical biology. <i>Current Opinion in Chemical Biology</i> , 2006, 10, 592-597.	6.1	21
27	The JIL-1 kinase interacts with lamin Dm0 and regulates nuclear lamina morphology of <i>Drosophila</i> nurse cells. <i>Journal of Cell Science</i> , 2005, 118, 5079-5087.	2.0	20
28	Distinct Mechanisms of Neurodegeneration Induced by Chronic Complex I Inhibition in Dopaminergic and Non-dopaminergic Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 51783-51792.	3.4	63