Shi-Yan Ng

List of Publications by Year
in descending order

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29 papers	2,308 citations	361413 20 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	4457 citing authors

#	Article	IF	Citations
1	Human long non-coding RNAs promote pluripotency and neuronal differentiation by association with chromatin modifiers and transcription factors. EMBO Journal, 2012, 31, 522-533.	7.8	461
2	The Long Noncoding RNA RMST Interacts with SOX2 to Regulate Neurogenesis. Molecular Cell, 2013, 51, 349-359.	9.7	378
3	Long noncoding RNAs in development and disease of the central nervous system. Trends in Genetics, 2013, 29, 461-468.	6.7	319
4	CARMEN, a human super enhancer-associated long noncoding RNA controlling cardiac specification, differentiation and homeostasis. Journal of Molecular and Cellular Cardiology, 2015, 89, 98-112.	1.9	223
5	The Antisense Transcript SMN-AS1 Regulates SMN Expression and Is a Novel Therapeutic Target for Spinal Muscular Atrophy. Neuron, 2017, 93, 66-79.	8.1	113
6	Nanofiber topography and sustained biochemical signaling enhance human mesenchymal stem cell neural commitment. Acta Biomaterialia, 2012, 8, 1290-1302.	8.3	111
7	Genome-wide RNA-Seq of Human Motor Neurons Implicates Selective ER Stress Activation in Spinal Muscular Atrophy. Cell Stem Cell, 2015, 17, 569-584.	11.1	108
8	Cell cycle inhibitors protect motor neurons in an organoid model of Spinal Muscular Atrophy. Cell Death and Disease, 2018, 9, 1100.	6.3	72
9	Replacing whatâ€™s lost: a new era of stem cell therapy for Parkinsonâ€™s disease. Translational Neurodegeneration, 2020, 9, 2.	8.0	62
10	Wnt/Î²-catenin-mediated signaling re-activates proliferation of matured cardiomyocytes. Stem Cell Research and Therapy, 2018, 9, 338.	5.5	50
11	ALS motor neurons exhibit hallmark metabolic defects that are rescued by SIRT3 activation. Cell Death and Differentiation, 2021, 28, 1379-1397.	11.2	43
12	Cell-type-specific miR-431 dysregulation in a motor neuron model of spinal muscular atrophy. Human Molecular Genetics, 2016, 25, 2168-2181.	2.9	38
13	Single-Cell Analysis of SMN Reveals Its Broader Role in Neuromuscular Disease. Cell Reports, 2017, 18, 1484-1498.	6.4	38
14	N-cadherin prevents the premature differentiation of anterior heart field progenitors in the pharyngeal mesodermal microenvironment. Cell Research, 2014, 24, 1420-1432.	12.0	35
15	Long nonâ€coding RNAs in stem cell pluripotency. Wiley Interdisciplinary Reviews RNA, 2013, 4, 121-128.	6.4	29
16	A Balanced Translocation in Kallmann Syndrome Implicates a Long Noncoding RNA, RMST, as a GnRH Neuronal Regulator. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e231-e244.	3.6	28
17	CD166pos Subpopulation From Differentiated Human ES and iPS Cells Support Repair of Acute Lung Injury. Molecular Therapy, 2012, 20, 2335-2346.	8.2	26
18	Organoid cultures of MELAS neural cells reveal hyperactive Notch signaling that impacts neurodevelopment. Cell Death and Disease, 2020, 11, 182.	6.3	26

#	Article	IF	Citations
19	TDP-43 mediates SREBF2-regulated gene expression required for oligodendrocyte myelination. Journal of Cell Biology, 2021, 220, .	5.2	25
20	Mitochondrial 3243Aâ€‰>â€‰G mutation confers pro-atherogenic and pro-inflammatory properties in MELAS iPS derived endothelial cells. Cell Death and Disease, 2019, 10, 802.	6.3	23
21	Endothelin-1 supports clonal derivation and expansion of cardiovascular progenitors derived from human embryonic stem cells. Nature Communications, 2016, 7, 10774.	12.8	21
22	Spinal cord organoids add an extra dimension to traditional motor neuron cultures. Neural Regeneration Research, 2019, 14, 1515.	3.0	17
23	Using intracellular markers to identify a novel set of surface markers for live cell purification from a heterogeneous hIPSC culture. Scientific Reports, 2018, 8, 804.	3.3	14
24	Generating ventral spinal organoids from human induced pluripotent stem cells. Methods in Cell Biology, 2020, 159, 257-277.	1.1	13
25	Enterovirusâ€A71 exploits peripherin and Rac1 to invade the central nervous system. EMBO Reports, 2021, 22, e51777.	4.5	12
26	A chemical biology approach reveals a dependency of glioblastoma on biotin distribution. Science Advances, 2021, 7, eabf6033.	10.3	10
27	Patient-Derived Induced Pluripotent Stem Cells and Organoids for Modeling Alpha Synuclein Propagation in Parkinson's Disease. Frontiers in Cellular Neuroscience, 2018, 12, 413.	3.7	9
28	Upregulation of the JAK-STAT pathway promotes maturation of human embryonic stem cell-derived cardiomyocytes. Stem Cell Reports, 2021, , .	4.8	2
29	Role of SIRT3 and in Neurodegeneration. Neuromethods, 2022, , 99-120.	0.3	0