Geraldine Zimmer

List of Publications by Year
in descending order

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37 papers	1,118 citations	430874 18 h-index	434195 31 g-index
40 all docs	40 docs citations	40 times ranked	1143 citing authors

#	Article	IF	Citations
1	Epigenetic function in neurodevelopment and cognitive impairment. Neuroforum, 2022, 28, 41-53.	0.3	0
2	Mechanical Forces Orchestrate Brain Development. Trends in Neurosciences, 2021, 44, 110-121.	8.6	29
3	The Expression of the Cancer-Associated lncRNA Snhg15 Is Modulated by EphrinA5-Induced Signaling. International Journal of Molecular Sciences, 2021, 22, 1332.	4.1	6
4	DNMT1-dependent regulation of cortical interneuron function and survival. Neural Regeneration Research, 2021, 16, 2405.	3.0	4
5	DNA Methyltransferase 1 (DNMT1) Shapes Neuronal Activity of Human iPSC-Derived Glutamatergic Cortical Neurons. International Journal of Molecular Sciences, 2021, 22, 2034.	4.1	12
6	The difficulty to model Huntingtonâ€™s disease in vitro using striatal medium spiny neurons differentiated from human induced pluripotent stem cells. Scientific Reports, 2021, 11, 6934.	3.3	17
7	The Epigenome in Neurodevelopmental Disorders. Frontiers in Neuroscience, 2021, 15, 776809.	2.8	38
8	DNA Methylation in Genetic and Sporadic Forms of Neurodegeneration: Lessons from Alzheimerâ€™s, Related Tauopathies and Genetic Tauopathies. Cells, 2021, 10, 3064.	4.1	12
9	DNA Methylation-Dependent Dysregulation of GABAergic Interneuron Functionality in Neuropsychiatric Diseases. Frontiers in Neuroscience, 2020, 14, 586133.	2.8	6
10	DNA Methyltransferase 1 (DNMT1) Acts on Neurodegeneration by Modulating Proteostasis-Relevant Intracellular Processes. International Journal of Molecular Sciences, 2020, 21, 5420.	4.1	14
11	DNA Methyltransferase 1 (DNMT1) Function Is Implicated in the Age-Related Loss of Cortical Interneurons. Frontiers in Cell and Developmental Biology, 2020, 8, 639.	3.7	17
12	Epigenomic Remodeling in Huntingtonâ€™s Diseaseâ€”Master or Servant?. Epigenomes, 2020, 4, 15.	1.8	5
13	DNA Methylation-Mediated Modulation of Endocytosis as Potential Mechanism for Synaptic Function Regulation in Murine Inhibitory Cortical Interneurons. Cerebral Cortex, 2020, 30, 3921-3937.	2.9	42
14	Methods for Single-Cell Isolation and Preparation. Advances in Experimental Medicine and Biology, 2020, 1255, 7-27.	1.6	16
15	Neuronal Lhx1 expression is regulated by DNMT1-dependent modulation of histone marks. Epigenetics, 2020, 15, 1259-1274.	2.7	29
16	The Transcription Factor LHX1 Regulates the Survival and Directed Migration of POA-derived Cortical Interneurons. Cerebral Cortex, 2019, 29, 1644-1658.	2.9	16
17	Emerging Roles of Long Non-Coding RNAs as Drivers of Brain Evolution. Cells, 2019, 8, 1399.	4.1	74
18	Functional Implications of Dynamic DNA Methylation for the Developing, Aging and Diseased Brain. RNA Technologies, 2019, , 141-163.	0.3	20

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19	LHX1â€“a multifunctional regulator in preoptic area-derived interneuron development. Neural Regeneration Research, 2019, 14, 1213.	3.0	5
20	Single-Cell Transcriptomics Reveals Regulators of Neuronal Migration and Maturation During Brain Development. Journal of Experimental Neuroscience, 2018, 12, 117906951876078.	2.3	9
21	Diverse facets of cortical interneuron migration regulation â€“ Implications of neuronal activity and epigenetics. Brain Research, 2018, 1700, 160-169.	2.2	19
22	DNMT1 modulates interneuron morphology by regulatingPak6expression through crosstalk with histone modifications. Epigenetics, 2018, 13, 536-556.	2.7	47
23	The DNA Methyltransferase 1 (DNMT1) Controls the Shape and Dynamics of Migrating POA-Derived Interneurons Fated for the Murine Cerebral Cortex. Cerebral Cortex, 2017, 27, 5696-5714.	2.9	49
24	Regulation of neuronal survival by DNA methyltransferases. Neural Regeneration Research, 2017, 12, 1768.	3.0	37
25	Thalamic afferents influence cortical progenitors via ephrin A5-EphA4 interactions. Development (Cambridge), 2015, 142, 140-150.	2.5	32
26	Fine-tuning of cortical progenitor proliferation by thalamic afferents. Neural Regeneration Research, 2015, 10, 887.	3.0	1
27	A dual role of EphB1/ephrin-B3 reverse signaling on migrating striatal and cortical neurons originating in the preoptic area: should I stay or go away?. Frontiers in Cellular Neuroscience, 2014, 8, 185.	3.7	16
28	EphA/ephrin A reverse signaling promotes the migration of cortical interneurons from the medial ganglionic eminence. Development (Cambridge), 2014, 141, 460-471.	2.5	46
29	A spastic paraplegia mouse model reveals REEP1-dependent ER shaping. Journal of Clinical Investigation, 2014, 124, 2809-2809.	8.2	3
30	Integration of Opposing Semaphorin Guidance Cues in Cortical Axons. Cerebral Cortex, 2013, 23, 604-614.	2.9	29
31	A Hereditary Spastic Paraplegia Mouse Model Supports a Role of ZFYVE26/SPASTIZIN for the Endolysosomal System. PLoS Genetics, 2013, 9, e1003988.	3.5	82
32	A spastic paraplegia mouse model reveals REEP1-dependent ER shaping. Journal of Clinical Investigation, 2013, 123, 4273-4282.	8.2	74
33	Bidirectional EphrinB3/EphA4 Signaling Mediates the Segregation of Medial Ganglionic Eminence- and Preoptic Area-Derived Interneurons in the Deep and Superficial Migratory Stream. Journal of Neuroscience, 2011, 31, 18364-18380.	3.6	78
34	Ephrins guide migrating cortical interneurons in the basal telencephalon. Cell Adhesion and Migration, 2010, 4, 400-408.	2.7	56
35	Chondroitin Sulfate Acts in Concert with Semaphorin 3A to Guide Tangential Migration of Cortical Interneurons in the Ventral Telencephalon. Cerebral Cortex, 2010, 20, 2411-2422.	2.9	59
36	Ephrinâ€A5 acts as a repulsive cue for migrating cortical interneurons. European Journal of Neuroscience, 2008, 28, 62-73.	2.6	72

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37	Multiple Effects of Ephrin-A5 on Cortical Neurons Are Mediated by Src Family Kinases. Journal of Neuroscience, 2007, 27, 5643-5653.	3.6	37