

Gabriele Lignani

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,595
citations

361413

20
h-index

345221

36
g-index

45
all docs

45
docs citations

45
times ranked

2550
citing authors

#	ARTICLE	IF	CITATIONS
1	Scn1a gene reactivation after symptom onset rescues pathological phenotypes in a mouse model of Dravet syndrome. <i>Nature Communications</i> , 2022, 13, 161.	12.8	29
2	Electrophysiological Properties of Human Cortical Organoids: Current State of the Art and Future Directions. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 839366.	2.9	3
3	Recent advances in gene therapy for neurodevelopmental disorders with epilepsy. <i>Journal of Neurochemistry</i> , 2021, 157, 229-262.	3.9	36
4	In vivo Genome Editing Therapeutic Approaches for Neurological Disorders: Where Are We in the Translational Pipeline?. <i>Frontiers in Neuroscience</i> , 2021, 15, 632522.	2.8	11
5	Progressive myoclonus epilepsy <i>KCNC1</i> variant causes a developmental dendritopathy. <i>Epilepsia</i> , 2021, 62, 1256-1267.	5.1	10
6	DBS for refractory epilepsy: is closed-loop stimulation of the medial septum the way forward?. <i>Brain</i> , 2021, 144, 702-705.	7.6	1
7	Aromatic α -amino acid decarboxylase deficiency: a patient-derived neuronal model for precision therapies. <i>Brain</i> , 2021, 144, 2443-2456.	7.6	16
8	Gene therapy restores dopamine transporter expression and ameliorates pathology in iPSC and mouse models of infantile parkinsonism. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	25
9	Gene Editing and Modulation: the Holy Grail for the Genetic Epilepsies?. <i>Neurotherapeutics</i> , 2021, 18, 1515-1523.	4.4	7
10	REST/NRSF drives homeostatic plasticity of inhibitory synapses in a target-dependent fashion. <i>ELife</i> , 2021, 10, .	6.0	7
11	dCas9-Based Scn1a Gene Activation Restores Inhibitory Interneuron Excitability and Attenuates Seizures in Dravet Syndrome Mice. <i>Molecular Therapy</i> , 2020, 28, 235-253.	8.2	135
12	Homeostatic Plasticity in Epilepsy. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 197.	3.7	43
13	LGI1 downregulation increases neuronal circuit excitability. <i>Epilepsia</i> , 2020, 61, 2836-2846.	5.1	12
14	In vivo CRISPRa decreases seizures and rescues cognitive deficits in a rodent model of epilepsy. <i>Brain</i> , 2020, 143, 891-905.	7.6	79
15	Neurite-Enriched MicroRNA-218 Stimulates Translation of the GluA2 Subunit and Increases Excitatory Synaptic Strength. <i>Molecular Neurobiology</i> , 2019, 56, 5701-5714.	4.0	31
16	Synapsin I Controls Synaptic Maturation of Long-Range Projections in the Lateral Amygdala in a Targeted Selective Fashion. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 220.	3.7	7
17	Olanzapine: A potent agonist at the hM4D(Gi) DREADD amenable to clinical translation of chemogenetics. <i>Science Advances</i> , 2019, 5, eaaw1567.	10.3	44
18	Gene therapy and editing: Novel potential treatments for neuronal channelopathies. <i>Neuropharmacology</i> , 2018, 132, 108-117.	4.1	39

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19	REST-Dependent Presynaptic Homeostasis Induced by Chronic Neuronal Hyperactivity. <i>Molecular Neurobiology</i> , 2018, 55, 4959-4972.	4.0	26
20	B13â€¦Huntingtonâ€™s disease phenotypes and disrupted corticostriatal connectivity observed in a novel ipsc-derived in vitro co-culture model. , 2018, , .		0
21	Foamy Virus Vectors Transduce Visceral Organs and Hippocampal Structures following InÂVivo Delivery to Neonatal Mice. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 626-634.	5.1	7
22	Conservation of alternative splicing in sodium channels reveals evolutionary focus on release from inactivation and structural insights into gating. <i>Journal of Physiology</i> , 2017, 595, 5671-5685.	2.9	10
23	Activity Clamp Provides Insights into Paradoxical Effects of the Anti-Seizure Drug Carbamazepine. <i>Journal of Neuroscience</i> , 2017, 37, 5484-5495.	3.6	10
24	Cell adhesion molecule L1 contributes to neuronal excitability regulating the function of voltage-gated sodium channels. <i>Journal of Cell Science</i> , 2016, 129, 1878-91.	2.0	23
25	Direct Conversion of Fibroblasts into Functional Astrocytes by Defined Transcription Factors. <i>Stem Cell Reports</i> , 2015, 4, 25-36.	4.8	194
26	TAAR1 Modulates Cortical Glutamate NMDA Receptor Function. <i>Neuropsychopharmacology</i> , 2015, 40, 2217-2227.	5.4	98
27	Rapid Conversion of Fibroblasts into Functional Forebrain GABAergic Interneurons by Direct Genetic Reprogramming. <i>Cell Stem Cell</i> , 2015, 17, 719-734.	11.1	152
28	Presynaptic Muscarinic Receptors Reduce Synaptic Depression and Facilitate its Recovery at Hippocampal GABAergic Synapses. <i>Cerebral Cortex</i> , 2014, 24, 1818-1831.	2.9	9
29	Phosphorylation of Synapsin I by Cyclin-Dependent Kinase-5 Sets the Ratio between the Resting and Recycling Pools of Synaptic Vesicles at Hippocampal Synapses. <i>Journal of Neuroscience</i> , 2014, 34, 7266-7280.	3.6	65
30	Functional Role of ATP Binding to Synapsin I In Synaptic Vesicle Trafficking and Release Dynamics. <i>Journal of Neuroscience</i> , 2014, 34, 14752-14768.	3.6	27
31	S.07.02 Role of trace amine-associated receptor 1 (TAAR1) in the modulation of dopaminergic system and cortico-striatal signalling. <i>European Neuropsychopharmacology</i> , 2013, 23, S120.	0.7	0
32	STED Microscope Optimization: Neuroscience Applications. <i>Biophysical Journal</i> , 2013, 104, 670a.	0.5	0
33	Synapsin II desynchronizes neurotransmitter release at inhibitory synapses by interacting with presynaptic calcium channels. <i>Nature Communications</i> , 2013, 4, 1512.	12.8	87
34	Epileptogenic Q555X SYN1 mutant triggers imbalances in release dynamics and short-term plasticity. <i>Human Molecular Genetics</i> , 2013, 22, 2186-2199.	2.9	61
35	REST/NRSF-mediated intrinsic homeostasis protects neuronal networks from hyperexcitability. <i>EMBO Journal</i> , 2013, 32, 2994-3007.	7.8	89
36	Long-term optical stimulation of channelrhodopsin-expressing neurons to study network plasticity. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 22.	2.9	32

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37	Strategies to maximize the performance of a STED microscope. <i>Optics Express</i> , 2012, 20, 7362.	3.4	113
38	Optimizing Parameters for WII STED Imaging. <i>Biophysical Journal</i> , 2012, 102, 725a.	0.5	1
39	Synapsins: From synapse to network hyperexcitability and epilepsy. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 408-415.	5.0	52
40	Unblock the Block! Preventing Inhibitory Failure to Maintain Inhibitory Restraint. <i>Epilepsy Currents</i> , 0, , 153575972210988.	0.8	0