Gabriele Lignani

List of Publications by Year in Descending Order

37 papers	1,048 citations	17 h-index	32 g-index
45 ext. papers	1,364 ext. citations	7.6 avg, IF	4.19 L-index

#	Paper	IF	Citations
37	Scn1a gene reactivation after symptom onset rescues pathological phenotypes in a mouse model of Dravet syndrome.. *Nature Communications*, **2022**, 13, 161	17.4	4
36	Electrophysiological Properties of Human Cortical Organoids: Current State of the Art and Future Directions.. *Frontiers in Molecular Neuroscience*, **2022**, 15, 839366	6.1	2
35	REST/NRSF drives homeostatic plasticity of inhibitory synapses in a target-dependent fashion. *ELife* , **2021**, 10,	8.9	2
34	DBS for refractory epilepsy: is closed-loop stimulation of the medial septum the way forward?. *Brain*, **2021**, 144, 702-705	11.2	
33	Aromatic l-amino acid decarboxylase deficiency: a patient-derived neuronal model for precision therapies. *Brain*, **2021**, 144, 2443-2456	11.2	3
32	Gene therapy restores dopamine transporter expression and ameliorates pathology in iPSC and mouse models of infantile parkinsonism. *Science Translational Medicine*, **2021**, 13,	17.5	7
31	Recent advances in gene therapy for neurodevelopmental disorders with epilepsy. *Journal of Neurochemistry*, **2021**, 157, 229-262	6	12
30	Genome Editing Therapeutic Approaches for Neurological Disorders: Where Are We in the Translational Pipeline?. *Frontiers in Neuroscience*, **2021**, 15, 632522	5.1	4
29	Progressive myoclonus epilepsy KCNC1 variant causes a developmental dendritopathy. *Epilepsia*, **2021**, 62, 1256-1267	6.4	4
28	Gene Editing and Modulation: the Holy Grail for the Genetic Epilepsies?. *Neurotherapeutics*, **2021**, 18, 1515-1523	6.4	0
27	In vivo CRISPRa decreases seizures and rescues cognitive deficits in a rodent model of epilepsy. *Brain*, **2020**, 143, 891-905	11.2	40
26	Homeostatic Plasticity in Epilepsy. *Frontiers in Cellular Neuroscience*, **2020**, 14, 197	6.1	15
25	LGI1 downregulation increases neuronal circuit excitability. *Epilepsia*, **2020**, 61, 2836-2846	6.4	4
24	dCas9-Based Scn1a Gene Activation Restores Inhibitory Interneuron Excitability and Attenuates Seizures in Dravet Syndrome Mice. *Molecular Therapy*, **2020**, 28, 235-253	11.7	74
23	Neurite-Enriched MicroRNA-218 Stimulates Translation of the GluA2 Subunit and Increases Excitatory Synaptic Strength. *Molecular Neurobiology*, **2019**, 56, 5701-5714	6.2	22
22	Synapsin I Controls Synaptic Maturation of Long-Range Projections in the Lateral Amygdala in a Targeted Selective Fashion. *Frontiers in Cellular Neuroscience*, **2019**, 13, 220	6.1	5
21	Olanzapine: A potent agonist at the hM4D(Gi) DREADD amenable to clinical translation of chemogenetics. *Science Advances*, **2019**, 5, eaaw1567	14.3	29

20	Gene therapy and editing: Novel potential treatments for neuronal channelopathies. *Neuropharmacology*, **2018**, 132, 108-117	5.5	20
19	Foamy Virus Vectors Transduce Visceral Organs and Hippocampal Structures following In Vivo Delivery to Neonatal Mice. *Molecular Therapy - Nucleic Acids*, **2018**, 12, 626-634	10.7	5
18	REST-Dependent Presynaptic Homeostasis Induced by Chronic Neuronal Hyperactivity. *Molecular Neurobiology*, **2018**, 55, 4959-4972	6.2	17
17	Conservation of alternative splicing in sodium channels reveals evolutionary focus on release from inactivation and structural insights into gating. *Journal of Physiology*, **2017**, 595, 5671-5685	3.9	6
16	Activity Clamp Provides Insights into Paradoxical Effects of the Anti-Seizure Drug Carbamazepine. *Journal of Neuroscience*, **2017**, 37, 5484-5495	6.6	6
15	Cell adhesion molecule L1 contributes to neuronal excitability regulating the function of voltage-gated Na+ channels. *Journal of Cell Science*, **2016**, 129, 1878-91	5.3	17
14	TAAR1 Modulates Cortical Glutamate NMDA Receptor Function. *Neuropsychopharmacology*, **2015**, 40, 2217-27	8.7	74
13	Rapid Conversion of Fibroblasts into Functional Forebrain GABAergic Interneurons by Direct Genetic Reprogramming. *Cell Stem Cell*, **2015**, 17, 719-734	18	111
12	Direct conversion of fibroblasts into functional astrocytes by defined transcription factors. *Stem Cell Reports*, **2015**, 4, 25-36	8	137
11	Presynaptic muscarinic receptors reduce synaptic depression and facilitate its recovery at hippocampal GABAergic synapses. *Cerebral Cortex*, **2014**, 24, 1818-31	5.1	7
10	Phosphorylation of synapsin I by cyclin-dependent kinase-5 sets the ratio between the resting and recycling pools of synaptic vesicles at hippocampal synapses. *Journal of Neuroscience*, **2014**, 34, 7266-80	6.6	52
9	Functional role of ATP binding to synapsin I in synaptic vesicle trafficking and release dynamics. *Journal of Neuroscience*, **2014**, 34, 14752-68	6.6	18
8	S.07.02 Role of trace amine-associated receptor 1 (TAAR1) in the modulation of dopaminergic system and cortico-striatal signalling. *European Neuropsychopharmacology*, **2013**, 23, S120	1.2	
7	Synapsin II desynchronizes neurotransmitter release at inhibitory synapses by interacting with presynaptic calcium channels. *Nature Communications*, **2013**, 4, 1512	17.4	69
6	Epileptogenic Q555X SYN1 mutant triggers imbalances in release dynamics and short-term plasticity. *Human Molecular Genetics*, **2013**, 22, 2186-99	5.6	55
5	REST/NRSF-mediated intrinsic homeostasis protects neuronal networks from hyperexcitability. *EMBO Journal*, **2013**, 32, 2994-3007	13	66
4	Long-term optical stimulation of channelrhodopsin-expressing neurons to study network plasticity. *Frontiers in Molecular Neuroscience*, **2013**, 6, 22	6.1	29
3	Strategies to maximize the performance of a STED microscope. *Optics Express*, **2012**, 20, 7362-74	3.3	88

2	Synapsins: from synapse to network hyperexcitability and epilepsy. *Seminars in Cell and Developmental Biology*, **2011**, 22, 408-15	7.5	43
1	Unblock the Block! Preventing Inhibitory Failure to Maintain Inhibitory Restraint. *Epilepsy Currents*,15357597221098815	1.5	7