

Gabriele Lignani

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Direct conversion of fibroblasts into functional astrocytes by defined transcription factors. <i>Stem Cell Reports</i> , 2015 , 4, 25-36	8	137
36	Rapid Conversion of Fibroblasts into Functional Forebrain GABAergic Interneurons by Direct Genetic Reprogramming. <i>Cell Stem Cell</i> , 2015 , 17, 719-734	18	111
35	Strategies to maximize the performance of a STED microscope. <i>Optics Express</i> , 2012 , 20, 7362-74	3.3	88
34	TAAR1 Modulates Cortical Glutamate NMDA Receptor Function. <i>Neuropsychopharmacology</i> , 2015 , 40, 2217-27	8.7	74
33	dCas9-Based Scn1a Gene Activation Restores Inhibitory Interneuron Excitability and Attenuates Seizures in Dravet Syndrome Mice. <i>Molecular Therapy</i> , 2020 , 28, 235-253	11.7	74
32	Synapsin II desynchronizes neurotransmitter release at inhibitory synapses by interacting with presynaptic calcium channels. <i>Nature Communications</i> , 2013 , 4, 1512	17.4	69
31	REST/NRSF-mediated intrinsic homeostasis protects neuronal networks from hyperexcitability. <i>EMBO Journal</i> , 2013 , 32, 2994-3007	13	66
30	Epileptogenic Q555X SYN1 mutant triggers imbalances in release dynamics and short-term plasticity. <i>Human Molecular Genetics</i> , 2013 , 22, 2186-99	5.6	55
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, 7266-80	6.6	52
28	Synapsins: from synapse to network hyperexcitability and epilepsy. <i>Seminars in Cell and Developmental Biology</i> , 2011 , 22, 408-15	7.5	43
27	In vivo CRISPRa decreases seizures and rescues cognitive deficits in a rodent model of epilepsy. <i>Brain</i> , 2020 , 143, 891-905	11.2	40
26	Olanzapine: A potent agonist at the hM4D(Gi) DREADD amenable to clinical translation of chemogenetics. <i>Science Advances</i> , 2019 , 5, eaaw1567	14.3	29
25	Long-term optical stimulation of channelrhodopsin-expressing neurons to study network plasticity. <i>Frontiers in Molecular Neuroscience</i> , 2013 , 6, 22	6.1	29
24	Neurite-Enriched MicroRNA-218 Stimulates Translation of the GluA2 Subunit and Increases Excitatory Synaptic Strength. <i>Molecular Neurobiology</i> , 2019 , 56, 5701-5714	6.2	22
23	Gene therapy and editing: Novel potential treatments for neuronal channelopathies. <i>Neuropharmacology</i> , 2018 , 132, 108-117	5.5	20
22	Functional role of ATP binding to synapsin I in synaptic vesicle trafficking and release dynamics. <i>Journal of Neuroscience</i> , 2014 , 34, 14752-68	6.6	18
21	Cell adhesion molecule L1 contributes to neuronal excitability regulating the function of voltage-gated Na ⁺ channels. <i>Journal of Cell Science</i> , 2016 , 129, 1878-91	5.3	17

20	REST-Dependent Presynaptic Homeostasis Induced by Chronic Neuronal Hyperactivity. <i>Molecular Neurobiology</i> , 2018 , 55, 4959-4972	6.2	17
19	Homeostatic Plasticity in Epilepsy. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 197	6.1	15
18	Recent advances in gene therapy for neurodevelopmental disorders with epilepsy. <i>Journal of Neurochemistry</i> , 2021 , 157, 229-262	6	12
17	Presynaptic muscarinic receptors reduce synaptic depression and facilitate its recovery at hippocampal GABAergic synapses. <i>Cerebral Cortex</i> , 2014 , 24, 1818-31	5.1	7
16	Gene therapy restores dopamine transporter expression and ameliorates pathology in iPSC and mouse models of infantile parkinsonism. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	7
15	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	3.9	6
14	Activity Clamp Provides Insights into Paradoxical Effects of the Anti-Seizure Drug Carbamazepine. <i>Journal of Neuroscience</i> , 2017 , 37, 5484-5495	6.6	6
13	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	6.1	5
12	Foamy Virus Vectors Transduce Visceral Organs and Hippocampal Structures following In Vivo Delivery to Neonatal Mice. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 12, 626-634	10.7	5
11	Scn1a gene reactivation after symptom onset rescues pathological phenotypes in a mouse model of Dravet syndrome.. <i>Nature Communications</i> , 2022 , 13, 161	17.4	4
10	LGI1 downregulation increases neuronal circuit excitability. <i>Epilepsia</i> , 2020 , 61, 2836-2846	6.4	4
9	Genome Editing Therapeutic Approaches for Neurological Disorders: Where Are We in the Translational Pipeline?. <i>Frontiers in Neuroscience</i> , 2021 , 15, 632522	5.1	4
8	Progressive myoclonus epilepsy KCNC1 variant causes a developmental dendritopathy. <i>Epilepsia</i> , 2021 , 62, 1256-1267	6.4	4
7	Aromatic l-amino acid decarboxylase deficiency: a patient-derived neuronal model for precision therapies. <i>Brain</i> , 2021 , 144, 2443-2456	11.2	3
6	REST/NRSF drives homeostatic plasticity of inhibitory synapses in a target-dependent fashion. <i>ELife</i> , 2021 , 10,	8.9	2
5	Electrophysiological Properties of Human Cortical Organoids: Current State of the Art and Future Directions.. <i>Frontiers in Molecular Neuroscience</i> , 2022 , 15, 839366	6.1	2
4	Gene Editing and Modulation: the Holy Grail for the Genetic Epilepsies?. <i>Neurotherapeutics</i> , 2021 , 18, 1515-1523	6.4	0
3	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	1.2	

- 2 DBS for refractory epilepsy: is closed-loop stimulation of the medial septum the way forward?
Brain, 2021, 144, 702-705 11.2
- 1 Unblock the Block! Preventing Inhibitory Failure to Maintain Inhibitory Restraint. *Epilepsy Currents*, 153575972210988