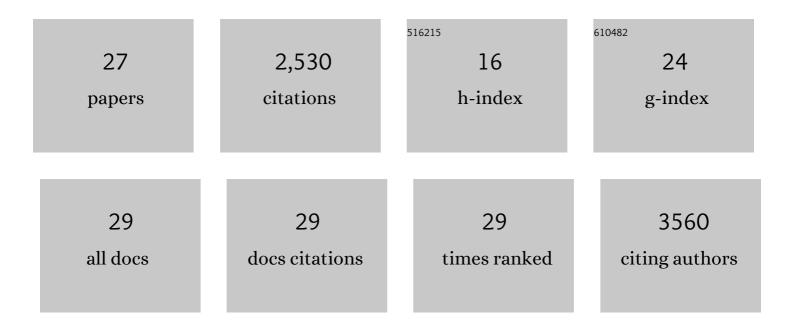
Jennifer N Gelinas

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2952457/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	NeuroGrid: recording action potentials from the surface of the brain. Nature Neuroscience, 2015, 18, 310-315.	7.1	745
2	Learning-enhanced coupling between ripple oscillations in association cortices and hippocampus. Science, 2017, 358, 369-372.	6.0	293
3	Network Homeostasis and State Dynamics of Neocortical Sleep. Neuron, 2016, 90, 839-852.	3.8	259
4	Interictal epileptiform discharges induce hippocampal–cortical coupling in temporal lobe epilepsy. Nature Medicine, 2016, 22, 641-648.	15.2	221
5	Internal ion-gated organic electrochemical transistor: A building block for integrated bioelectronics. Science Advances, 2019, 5, eaau7378.	4.7	208
6	Enhancement-mode ion-based transistor as a comprehensive interface and real-time processing unit for in vivo electrophysiology. Nature Materials, 2020, 19, 679-686.	13.3	182
7	Organic electronics for high-resolution electrocorticography of the human brain. Science Advances, 2016, 2, e1601027.	4.7	147
8	Neuroelectronics and Biooptics. JAMA Neurology, 2015, 72, 823.	4.5	84
9	Interictal epileptiform discharges shape large-scale intercortical communication. Brain, 2019, 142, 3502-3513.	3.7	59
10	Chronic electrical stimulation of peripheral nerves via deep-red light transduced by an implanted organic photocapacitor. Nature Biomedical Engineering, 2022, 6, 741-753.	11.6	59
11	Translational Neuroelectronics. Advanced Functional Materials, 2020, 30, 1909165.	7.8	44
12	Reduced GABAergic Neuron Excitability, Altered Synaptic Connectivity, and Seizures in a KCNT1 Gain-of-Function Mouse Model of Childhood Epilepsy. Cell Reports, 2020, 33, 108303.	2.9	41
13	Mixed-conducting particulate composites for soft electronics. Science Advances, 2020, 6, eaaz6767.	4.7	33
14	Cerebellar language mapping and cerebral language dominance in pediatric epilepsy surgery patients. NeuroImage: Clinical, 2014, 6, 296-306.	1.4	30
15	Ionic communication for implantable bioelectronics. Science Advances, 2022, 8, eabm7851.	4.7	25
16	Transcranial Electrical Stimulation and Recording of Brain Activity using Freestanding Plantâ€Based Conducting Polymer Hydrogel Composites. Advanced Materials Technologies, 2020, 5, 1900652.	3.0	22
17	Non-invasive optogenetics with ultrasound-mediated gene delivery and red-light excitation. Brain Stimulation, 2022, 15, 927-941.	0.7	15
18	Chitosanâ€Based, Biocompatible, Solution Processable Films for In Vivo Localization of Neural Interface Devices. Advanced Materials Technologies, 2020, 5, 1900663.	3.0	13

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#	Article	IF	CITATIONS
19	Responsive manipulation of neural circuit pathology by fully implantable, front-end multiplexed embedded neuroelectronics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
20	Noradrenergic gating of long-lasting synaptic potentiation in the hippocampus: from neurobiology to translational biomedicine. Journal of Neurogenetics, 2018, 32, 171-182.	0.6	11
21	A transient postnatal quiescent period precedes emergence of mature cortical dynamics. ELife, 2021, 10,	2.8	11
22	Anisotropic Ion Conducting Particulate Composites for Bioelectronics. Advanced Science, 2022, 9, e2104404.	5.6	7
23	Child Neurology: Krabbe disease. Neurology, 2012, 79, e170-2.	1.5	6
24	Ripples for memory retrieval in humans. Science, 2019, 363, 927-928.	6.0	1
25	Reply: Interactions of interictal epileptic discharges with sleep slow waves and spindles. Brain, 2020, 143, e28-e28.	3.7	0
26	Ions-based high bandwidth communication for implantable bioelectronics. , 0, , .		0
27	Conformable organic electronics for neurological disorders. , 0, , .		0