

# Jeffrey A Loeb

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,469  
citations

361413

20  
h-index

330143

37  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1910  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuregulin-ErbB Signaling Promotes Microglial Proliferation and Chemotaxis Contributing to Microgliosis and Pain after Peripheral Nerve Injury. <i>Journal of Neuroscience</i> , 2010, 30, 5437-5450.	3.6	151
2	Neuregulins: Versatile growth and differentiation factors in nervous system development and human disease. <i>Brain Research Reviews</i> , 2006, 51, 161-175.	9.0	133
3	The long non-coding RNA NEAT1 is responsive to neuronal activity and is associated with hyperexcitability states. <i>Scientific Reports</i> , 2017, 7, 40127.	3.3	92
4	Rapid Axoglial Signaling Mediated by Neuregulin and Neurotrophic Factors. <i>Journal of Neuroscience</i> , 2004, 24, 6218-6227.	3.6	90
5	High inter-reviewer variability of spike detection on intracranial EEG addressed by an automated multi-channel algorithm. <i>Clinical Neurophysiology</i> , 2012, 123, 1088-1095.	1.5	80
6	Neuregulin Expression at Neuromuscular Synapses Is Modulated by Synaptic Activity and Neurotrophic Factors. <i>Journal of Neuroscience</i> , 2002, 22, 2206-2214.	3.6	79
7	Neuregulin-Heparan-sulfate Proteoglycan Interactions Produce Sustained erbB Receptor Activation Required for the Induction of Acetylcholine Receptors in Muscle. <i>Journal of Biological Chemistry</i> , 2001, 276, 38068-38075.	3.4	74
8	Aberrant Neuregulin 1 Signaling in Amyotrophic Lateral Sclerosis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012, 71, 104-115.	1.7	62
9	Predicting novel histopathological microlesions in human epileptic brain through transcriptional clustering. <i>Brain</i> , 2015, 138, 356-370.	7.6	54
10	Identifying targets for preventing epilepsy using systems biology. <i>Neuroscience Letters</i> , 2011, 497, 205-212.	2.1	47
11	Specific Structural Features of Heparan Sulfate Proteoglycans Potentiate Neuregulin-1 Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 383-388.	3.4	43
12	Critical Period of Axoglial Signaling between Neuregulin-1 and Brain-Derived Neurotrophic Factor Required for Early Schwann Cell Survival and Differentiation. <i>Journal of Neuroscience</i> , 2011, 31, 9630-9640.	3.6	42
13	A Multidisciplinary Consensus for Clinical Care and Research Needs for Sturge-Weber Syndrome. <i>Pediatric Neurology</i> , 2018, 84, 11-20.	2.1	42
14	Electrical, molecular and behavioral effects of interictal spiking in the rat. <i>Neurobiology of Disease</i> , 2012, 47, 92-101.	4.4	40
15	Brain calcifications induce neurological dysfunction that can be reversed by a bone drug. <i>Journal of the Neurological Sciences</i> , 2006, 243, 77-81.	0.6	37
16	Proteomic analysis of human epileptic neocortex predicts vascular and glial changes in epileptic regions. <i>PLoS ONE</i> , 2018, 13, e0195639.	2.5	30
17	Neuregulin: An activity-dependent synaptic modulator at the neuromuscular junction. <i>Journal of Neurocytology</i> , 2003, 32, 649-664.	1.5	25
18	Targeting Human Epidermal Growth Factor Receptor Signaling with the Neuregulin's Heparin-binding Domain. <i>Journal of Biological Chemistry</i> , 2009, 284, 32108-32115.	3.4	25

#	ARTICLE	IF	CITATIONS
19	Altered metabolomicâ€“genomic signature: A potential noninvasive biomarker of epilepsy. <i>Epilepsia</i> , 2017, 58, 1626-1636.	5.1	24
20	Interictal spike connectivity in human epileptic neocortex. <i>Clinical Neurophysiology</i> , 2019, 130, 270-279.	1.5	21
21	Neuroprotection and repair by neurotrophic and gliotrophic factors in multiple sclerosis. <i>Neurology</i> , 2007, 68, S38-S42.	1.1	20
22	Self-management skills and behaviors, self-efficacy, and quality of life in people with epilepsy from underserved populations. <i>Epilepsy and Behavior</i> , 2019, 98, 258-265.	1.7	19
23	Consensus Statement for the Management and Treatment of Sturge-Weber Syndrome: Neurology, Neuroimaging, and Ophthalmology Recommendations. <i>Pediatric Neurology</i> , 2021, 121, 59-66.	2.1	19
24	Unique Characteristics of Epilepsy Development in Neurocysticercosis. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 639-645.	1.4	19
25	Slowing disease progression in the SOD1 mouse model of ALS by blocking neuregulin-induced microglial activation. <i>Neurobiology of Disease</i> , 2018, 111, 118-126.	4.4	18
26	Enhancing epilepsy self-management and quality of life for adults with epilepsy with varying social and educational backgrounds using PAUSE to Learn Your Epilepsy. <i>Epilepsy and Behavior</i> , 2020, 111, 107228.	1.7	18
27	Neurological Complications of Sturge-Weber Syndrome: Current Status and Unmet Needs. <i>Pediatric Neurology</i> , 2019, 98, 31-38.	2.1	17
28	Mutant SOD1 prevents normal functional recovery through enhanced glial activation and loss of motor neuron innervation after peripheral nerve injury. <i>Neurobiology of Disease</i> , 2019, 124, 469-478.	4.4	16
29	Synergistic effects of neuregulin and agrin on muscle acetylcholine receptor expression. <i>Molecular and Cellular Neurosciences</i> , 2004, 26, 558-569.	2.2	15
30	Neuregulin1 fineâ€“tunes preâ€“, postâ€“, and perisynaptic neuromuscular junction development. <i>Developmental Dynamics</i> , 2017, 246, 368-380.	1.8	14
31	Identifying targets for preventing epilepsy using systems biology of the human brain. <i>Neuropharmacology</i> , 2020, 168, 107757.	4.1	14
32	Activation of microglial neuregulin1 signaling in the corticospinal tracts of ALS patients with upper motor neuron signs. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2014, 15, 77-83.	1.7	13
33	WONOE appraisal: Development of epilepsy biomarkersâ€“What we can learn from our patients?. <i>Epilepsia</i> , 2017, 58, 951-961.	5.1	13
34	Enhanced slow waves at the periphery of human epileptic foci. <i>Clinical Neurophysiology</i> , 2015, 126, 1117-1123.	1.5	12
35	Rapid transient isoform-specific neuregulin1 transcription in motor neurons is regulated by neurotrophic factors and axonâ€“target interactions. <i>Molecular and Cellular Neurosciences</i> , 2015, 68, 73-81.	2.2	11
36	Sturge-Weber Syndrome Patient Registry: Delayed Diagnosis and Poor Seizure Control. <i>Journal of Pediatrics</i> , 2019, 215, 158-163.e6.	1.8	10

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37	Epilepsy spectrum disorders: A concept in need of validation or refutation. <i>Medical Hypotheses</i> , 2015, 85, 656-663.	1.5	8
38	Disease propagation in amyotrophic lateral sclerosis (ALS): an interplay between genetics and environment. <i>Journal of Neuroinflammation</i> , 2020, 17, 175.	7.2	7
39	Highly consistent temporal lobe interictal spike networks revealed from foramen ovale electrodes. <i>Clinical Neurophysiology</i> , 2021, 132, 2065-2074.	1.5	7
40	Coalescence of deep and superficial epileptic foci into larger discharge units in adult rat neocortex. <i>Neuroscience</i> , 2015, 292, 148-158.	2.3	5
41	Modulation of locomotor behaviors by location-specific epileptic spiking and seizures. <i>Epilepsy and Behavior</i> , 2021, 114, 107652.	1.7	2
42	In response: Multifactorial basis of epilepsy in patients with neurocysticercosis. <i>Epilepsia</i> , 2015, 56, 975-976.	5.1	1