Nader El Seblani

List of Publications by Year
in descending order

36	2,412	430874 18	395702 33
papers	citations	h-index	g-index

37	37	37	1879
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glial cell line-derived neurotrophic factor reverses toxin-induced injury to midbrain dopaminergic neurons in vivo. Neuroscience Letters, 1994, 182, 107-111.	2.1	431
2	Improvement of bilateral motor functions in patients with Parkinson disease through the unilateral intraputaminal infusion of glial cell lineâ€”derived neurotrophic factor. Journal of Neurosurgery, 2005, 102, 216-222.	1.6	411
3	Chronic, controlled GDNF infusion promotes structural and functional recovery in advanced parkinsonian monkeys. Brain, 2002, 125, 2191-2201.	7.6	251
4	Point source concentration of GDNF may explain failure of phase II clinical trial. Experimental Neurology, 2006, 202, 497-505.	4.1	219
5	Improved ceramic-based multisite microelectrode for rapid measurements of l-glutamate in the CNS. Journal of Neuroscience Methods, 2002, 119, 163-171.	2.5	213
6	Ceramic-Based Multisite Microelectrodes for Electrochemical Recordings. Analytical Chemistry, 2000, 72, 187-192.	6.5	177
7	Unilateral intraputamenal glial cell lineâ€“derived neurotrophic factor in patients with Parkinson disease: response to 1 year of treatment and 1 year of withdrawal. Journal of Neurosurgery, 2007, 106, 614-620.	1.6	135
8	Trophic factor distribution predicts functional recovery in parkinsonian monkeys. Annals of Neurology, 2005, 58, 224-233.	5.3	86
9	Effects of chronic intraputamenal infusion of glial cell line-derived neurotrophic factor (GDNF) in aged Rhesus monkeys. Neurobiology of Aging, 2002, 23, 881-889.	3.1	66
10	Dopaminergic therapy improves upper limb motor performance in aged rhesus monkeys. Annals of Neurology, 2000, 48, 250-253.	5.3	37
11	Adeno-Associated Viral Delivery of GDNF Promotes Recovery of Dopaminergic Phenotype following a Unilateral 6-Hydroxydopamine Lesion. Cell Transplantation, 2002, 11, 215-227.	2.5	35
12	Methodology for rapid measures of glutamate release in rat brain slices using ceramic-based microelectrode arrays: Basic characterization and drug pharmacology. Brain Research, 2011, 1401, 1-9.	2.2	32
13	GDNF revisited: A novel mammalian cell-derived variant form of GDNF increases dopamine turnover and improves brain biodistribution. Neuropharmacology, 2019, 147, 28-36.	4.1	30
14	Ceramic-Based Multisite Platinum Microelectrode Arrays: Morphological Characteristics and Electrochemical Performance for Extracellular Oxygen Measurements in Brain Tissue. Analytical Chemistry, 2017, 89, 1674-1683.	6.5	29
15	Peripheral nerve grafts implanted into the substantia nigra in patients with Parkinsonâ€™s disease during deep brain stimulation surgery: 1-year follow-up study of safety, feasibility, and clinical outcome. Journal of Neurosurgery, 2018, 129, 1550-1561.	1.6	25
16	Combined in Vivo Amperometric Oximetry and Electrophysiology in a Single Sensor: A Tool for Epilepsy Research. Analytical Chemistry, 2017, 89, 12383-12390.	6.5	22
17	AdderallÂ® produces increased striatal dopamine release and a prolonged time course compared to amphetamine isomers. Psychopharmacology, 2007, 191, 669-677.	3.1	21
18	RNA Sequencing of Human Peripheral Nerve in Response to Injury: Distinctive Analysis of the Nerve Repair Pathways. Cell Transplantation, 2020, 29, 096368972092615.	2.5	19

#	Article	IF	Citations
19	Cutaneous and electrically evoked glutamate signaling in the adult rat somatosensory system. Journal of Neuroscience Methods, 2012, 208, 146-154.	2.5	18
20	Implantation of autologous peripheral nerve grafts into the substantia nigra of subjects with idiopathic Parkinson's disease treated with bilateral STN DBS: a report of safety and feasibility. Journal of Neurosurgery, 2017, 126, 1140-1147.	1.6	18
21	Challenges of simultaneous measurements of brain extracellular GABA and glutamate in vivo using enzyme-coated microelectrode arrays. Journal of Neuroscience Methods, 2020, 329, 108435.	2.5	18
22	Ceramic-based microelectrode arrays: Recording surface characteristics and topographical analysis. Journal of Neuroscience Methods, 2011, 198, 222-229.	2.5	17
23	Invited review: Utilizing peripheral nerve regenerative elements to repair damage in the CNS. Journal of Neuroscience Methods, 2020, 335, 108623.	2.5	17
24	Chronic Methylphenidate Alters Tonic and Phasic Glutamate Signaling in the Frontal Cortex of a Freely-Moving Rat Model of ADHD. Neurochemical Research, 2019, 44, 89-101.	3.3	13
25	GDNF clinical trials for Parkinsonâ€™s disease: a critical human dimension. Cell and Tissue Research, 2020, 382, 65-70.	2.9	12
26	In vivo microdialysis studies of age-related alterations in potassium-evoked overflow of dopamine in the dorsal striatum of Fischer 344 rats. International Journal of Developmental Neuroscience, 2000, 18, 411-416.	1.6	11
27	Dynamic changes in dopamine neuron function after DNSP-11 treatment: Effects in vivo and increased ERK 1/2 phosphorylation in vitro. Peptides, 2014, 54, 1-8.	2.4	10
28	Using Enzyme-based Biosensors to Measure Tonic and Phasic Glutamate in Alzheimer's Mouse Models. Journal of Visualized Experiments, 2017, , .	0.3	9
29	Pharmacologic MRI (phMRI) as a tool to differentiate Parkinson's diseaseâ€“related from age-related changes in basal ganglia function. Neurobiology of Aging, 2015, 36, 1174-1182.	3.1	8
30	Streamlining deep brain stimulation surgery by reversing the staging order. Journal of Neurosurgery, 2015, 122, 1042-1047.	1.6	6
31	Electrochemical Evaluation of a Multi-Site Clinical Depth Recording Electrode for Monitoring Cerebral Tissue Oxygen. Micromachines, 2020, 11, 632.	2.9	4
32	Tonic and Phasic Amperometric Monitoring of Dopamine Using Microelectrode Arrays in Rat Striatum. Applied Sciences (Switzerland), 2020, 10, 6449.	2.5	3
33	Adaptation of Microelectrode Array Technology for the Study of Anesthesia-induced Neurotoxicity in the Intact Piglet Brain. Journal of Visualized Experiments, 2018, , .	0.3	2
34	Tribute to: Dr. Vivienne Russell, Ph.D. on Attention-Deficit/Hyperactivity Disorder (ADHD). Journal of Neuroscience Methods, 2015, 252, 1.	2.5	0
35	Concurrent recording of neurometabolic changes and local field potential in the central nervous system of awake-behaving rodent models of epilepsy. Annals of Medicine, 2024, 51, 24-24.	3.8	0
36	Gait and Balance Changes with Investigational Peripheral Nerve Cell Therapy during Deep Brain Stimulation in People with Parkinsonâ€™s Disease. Brain Sciences, 2021, 11, 500.	2.3	0