

# Nader El Seblani

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

2,412  
citations

430442

18  
h-index

395343

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1879  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glial cell line-derived neurotrophic factor reverses toxin-induced injury to midbrain dopaminergic neurons in vivo. <i>Neuroscience Letters</i> , 1994, 182, 107-111.	1.0	431
2	Improvement of bilateral motor functions in patients with Parkinson disease through the unilateral intraputamenal infusion of glial cell line-derived neurotrophic factor. <i>Journal of Neurosurgery</i> , 2005, 102, 216-222.	0.9	411
3	Chronic, controlled GDNF infusion promotes structural and functional recovery in advanced parkinsonian monkeys. <i>Brain</i> , 2002, 125, 2191-2201.	3.7	251
4	Point source concentration of GDNF may explain failure of phase II clinical trial. <i>Experimental Neurology</i> , 2006, 202, 497-505.	2.0	219
5	Improved ceramic-based multisite microelectrode for rapid measurements of l-glutamate in the CNS. <i>Journal of Neuroscience Methods</i> , 2002, 119, 163-171.	1.3	213
6	Ceramic-Based Multisite Microelectrodes for Electrochemical Recordings. <i>Analytical Chemistry</i> , 2000, 72, 187-192.	3.2	177
7	Unilateral intraputamenal glial cell line-derived neurotrophic factor in patients with Parkinson disease: response to 1 year of treatment and 1 year of withdrawal. <i>Journal of Neurosurgery</i> , 2007, 106, 614-620.	0.9	135
8	Trophic factor distribution predicts functional recovery in parkinsonian monkeys. <i>Annals of Neurology</i> , 2005, 58, 224-233.	2.8	86
9	Effects of chronic intraputamenal infusion of glial cell line-derived neurotrophic factor (GDNF) in aged Rhesus monkeys. <i>Neurobiology of Aging</i> , 2002, 23, 881-889.	1.5	66
10	Dopaminergic therapy improves upper limb motor performance in aged rhesus monkeys. <i>Annals of Neurology</i> , 2000, 48, 250-253.	2.8	37
11	Adeno-Associated Viral Delivery of GDNF Promotes Recovery of Dopaminergic Phenotype following a Unilateral 6-Hydroxydopamine Lesion. <i>Cell Transplantation</i> , 2002, 11, 215-227.	1.2	35
12	Methodology for rapid measures of glutamate release in rat brain slices using ceramic-based microelectrode arrays: Basic characterization and drug pharmacology. <i>Brain Research</i> , 2011, 1401, 1-9.	1.1	32
13	GDNF revisited: A novel mammalian cell-derived variant form of GDNF increases dopamine turnover and improves brain biodistribution. <i>Neuropharmacology</i> , 2019, 147, 28-36.	2.0	30
14	Ceramic-Based Multisite Platinum Microelectrode Arrays: Morphological Characteristics and Electrochemical Performance for Extracellular Oxygen Measurements in Brain Tissue. <i>Analytical Chemistry</i> , 2017, 89, 1674-1683.	3.2	29
15	Peripheral nerve grafts implanted into the substantia nigra in patients with Parkinson's disease during deep brain stimulation surgery: 1-year follow-up study of safety, feasibility, and clinical outcome. <i>Journal of Neurosurgery</i> , 2018, 129, 1550-1561.	0.9	25
16	Combined in Vivo Amperometric Oximetry and Electrophysiology in a Single Sensor: A Tool for Epilepsy Research. <i>Analytical Chemistry</i> , 2017, 89, 12383-12390.	3.2	22
17	Adderall® produces increased striatal dopamine release and a prolonged time course compared to amphetamine isomers. <i>Psychopharmacology</i> , 2007, 191, 669-677.	1.5	21
18	RNA Sequencing of Human Peripheral Nerve in Response to Injury: Distinctive Analysis of the Nerve Repair Pathways. <i>Cell Transplantation</i> , 2020, 29, 096368972092615.	1.2	19

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19	Cutaneous and electrically evoked glutamate signaling in the adult rat somatosensory system. <i>Journal of Neuroscience Methods</i> , 2012, 208, 146-154.	1.3	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. <i>Journal of Neurosurgery</i> , 2017, 126, 1140-1147.	0.9	18
21	Challenges of simultaneous measurements of brain extracellular GABA and glutamate in vivo using enzyme-coated microelectrode arrays. <i>Journal of Neuroscience Methods</i> , 2020, 329, 108435.	1.3	18
22	Ceramic-based microelectrode arrays: Recording surface characteristics and topographical analysis. <i>Journal of Neuroscience Methods</i> , 2011, 198, 222-229.	1.3	17
23	Invited review: Utilizing peripheral nerve regenerative elements to repair damage in the CNS. <i>Journal of Neuroscience Methods</i> , 2020, 335, 108623.	1.3	17
24	Chronic Methylphenidate Alters Tonic and Phasic Glutamate Signaling in the Frontal Cortex of a Freely-Moving Rat Model of ADHD. <i>Neurochemical Research</i> , 2019, 44, 89-101.	1.6	13
25	GDNF clinical trials for Parkinson's disease: a critical human dimension. <i>Cell and Tissue Research</i> , 2020, 382, 65-70.	1.5	12
26	In vivo microdialysis studies of age-related alterations in potassium-evoked overflow of dopamine in the dorsal striatum of Fischer 344 rats. <i>International Journal of Developmental Neuroscience</i> , 2000, 18, 411-416.	0.7	11
27	Dynamic changes in dopamine neuron function after DNSP-11 treatment: Effects in vivo and increased ERK 1/2 phosphorylation in vitro. <i>Peptides</i> , 2014, 54, 1-8.	1.2	10
28	Using Enzyme-based Biosensors to Measure Tonic and Phasic Glutamate in Alzheimer's Mouse Models. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	9
29	Pharmacologic MRI (phMRI) as a tool to differentiate Parkinson's disease-related from age-related changes in basal ganglia function. <i>Neurobiology of Aging</i> , 2015, 36, 1174-1182.	1.5	8
30	Streamlining deep brain stimulation surgery by reversing the staging order. <i>Journal of Neurosurgery</i> , 2015, 122, 1042-1047.	0.9	6
31	Electrochemical Evaluation of a Multi-Site Clinical Depth Recording Electrode for Monitoring Cerebral Tissue Oxygen. <i>Micromachines</i> , 2020, 11, 632.	1.4	4
32	Tonic and Phasic Amperometric Monitoring of Dopamine Using Microelectrode Arrays in Rat Striatum. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6449.	1.3	3
33	Adaptation of Microelectrode Array Technology for the Study of Anesthesia-induced Neurotoxicity in the Intact Piglet Brain. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	2
34	Tribute to: Dr. Vivienne Russell, Ph.D. on Attention-Deficit/Hyperactivity Disorder (ADHD). <i>Journal of Neuroscience Methods</i> , 2015, 252, 1.	1.3	0
35	Concurrent recording of neurometabolic changes and local field potential in the central nervous system of awake-behaving rodent models of epilepsy. <i>Annals of Medicine</i> , 2024, 51, 24-24.	1.5	0
36	Gait and Balance Changes with Investigational Peripheral Nerve Cell Therapy during Deep Brain Stimulation in People with Parkinson's Disease. <i>Brain Sciences</i> , 2021, 11, 500.	1.1	0