

# Georgios Naros

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,277  
citations

361413

20  
h-index

395702

33  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling brain-machine interfaces with cortical stimulation for brain-state dependent stimulation: enhancing motor cortex excitability for neurorehabilitation. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 122.	2.0	108
2	Brain State-Dependent Transcranial Magnetic Closed-Loop Stimulation Controlled by Sensorimotor Desynchronization Induces Robust Increase of Corticospinal Excitability. <i>Brain Stimulation</i> , 2016, 9, 415-424.	1.6	91
3	Brain-robot interface driven plasticity: Distributed modulation of corticospinal excitability. <i>NeuroImage</i> , 2016, 125, 522-532.	4.2	67
4	Subthalamic stimulation modulates cortical motor network activity and synchronization in Parkinson's disease. <i>Brain</i> , 2015, 138, 679-693.	7.6	66
5	Closed-Loop Task Difficulty Adaptation during Virtual Reality Reach-to-Grasp Training Assisted with an Exoskeleton for Stroke Rehabilitation. <i>Frontiers in Neuroscience</i> , 2016, 10, 518.	2.8	63
6	Lateralized alpha-band cortical networks regulate volitional modulation of beta-band sensorimotor oscillations. <i>NeuroImage</i> , 2014, 87, 147-153.	4.2	55
7	Reinforcement learning of self-regulated $\beta^2$ -oscillations for motor restoration in chronic stroke. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 391.	2.0	55
8	Coupling BCI and cortical stimulation for brain-state-dependent stimulation: methods for spectral estimation in the presence of stimulation after-effects. <i>Frontiers in Neural Circuits</i> , 2012, 6, 87.	2.8	47
9	Enhanced motor learning with bilateral transcranial direct current stimulation: Impact of polarity or current flow direction?. <i>Clinical Neurophysiology</i> , 2016, 127, 2119-2126.	1.5	44
10	Hybrid Neuroprosthesis for the Upper Limb: Combining Brain-Controlled Neuromuscular Stimulation with a Multi-Joint Arm Exoskeleton. <i>Frontiers in Neuroscience</i> , 2016, 10, 367.	2.8	42
11	Blurring the boundaries between frame-based and frameless stereotaxy: feasibility study for brain biopsies performed with the use of a head-mounted robot. <i>Journal of Neurosurgery</i> , 2015, 123, 737-742.	1.6	41
12	Physiological and behavioral effects of $\beta^2$ -tACS on brain self-regulation in chronic stroke. <i>Brain Stimulation</i> , 2017, 10, 251-259.	1.6	40
13	Learned self-regulation of the lesioned brain with epidural electrocorticography. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 429.	2.0	36
14	Recruitment of Additional Corticospinal Pathways in the Human Brain with State-Dependent Paired Associative Stimulation. <i>Journal of Neuroscience</i> , 2018, 38, 1396-1407.	3.6	36
15	From assistance towards restoration with epidural brain-computer interfacing. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 517-525.	0.7	35
16	Compensation or Restoration: Closed-Loop Feedback of Movement Quality for Assisted Reach-to-Grasp Exercises with a Multi-Joint Arm Exoskeleton. <i>Frontiers in Neuroscience</i> , 2016, 10, 280.	2.8	33
17	Long-term outcome of deep brain stimulation in fragile X-associated tremor/ataxia syndrome. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 310-313.	2.2	26
18	Temperature and pharmacological rescue of a folding-defective, dominantl-negative KV7.2 mutation associated with neonatal seizures. <i>Human Mutation</i> , 2011, 32, E2283-E2293.	2.5	25

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19	An Unsupervised Online Spike-Sorting Framework. <i>International Journal of Neural Systems</i> , 2016, 26, 1550042.	5.2	24
20	Online Mapping With the Deep Brain Stimulation Lead: A Novel Targeting Tool in Parkinson's Disease. <i>Movement Disorders</i> , 2020, 35, 1574-1586.	3.9	23
21	Epidural electrocorticography of phantom hand movement following long-term upper-limb amputation. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 285.	2.0	22
22	Ki-67 labeling index and expression of p53 are non-predictive for invasiveness and tumor size in functional and nonfunctional pituitary adenomas. <i>Acta Neurochirurgica</i> , 2019, 161, 1149-1156.	1.7	22
23	Brain State-dependent Gain Modulation of Corticospinal Output in the Active Motor System. <i>Cerebral Cortex</i> , 2020, 30, 371-381.	2.9	22
24	Directional communication during movement execution interferes with tremor in Parkinson's disease. <i>Movement Disorders</i> , 2018, 33, 251-261.	3.9	20
25	Desynchronization of temporal lobe theta-band activity during effective anterior thalamus deep brain stimulation in epilepsy. <i>NeuroImage</i> , 2020, 218, 116967.	4.2	20
26	Experiences in surgery of primary malignant brain tumours in the primary sensori-motor cortex: practical recommendations and results of a single institution. <i>Clinical Neurology and Neurosurgery</i> , 2015, 136, 41-50.	1.4	18
27	The role of intraoperative neuromonitoring in adults with Chiari I malformation. <i>Clinical Neurology and Neurosurgery</i> , 2016, 150, 27-32.	1.4	18
28	Occurrence and management of postoperative pneumocephalus using the semi-sitting position in vestibular schwannoma surgery. <i>Acta Neurochirurgica</i> , 2020, 162, 2629-2636.	1.7	16
29	Frame-based and robot-assisted insular stereo-electroencephalography via an anterior or posterior oblique approach. <i>Journal of Neurosurgery</i> , 2021, 135, 1477-1486.	1.6	16
30	Postoperative Tinnitus After Vestibular Schwannoma Surgery Depends on Preoperative Tinnitus and Both Pre- and Postoperative Hearing Function. <i>Frontiers in Neurology</i> , 2018, 9, 136.	2.4	15
31	Extended enhancement of corticospinal connectivity with concurrent cortical and peripheral stimulation controlled by sensorimotor desynchronization. <i>Brain Stimulation</i> , 2018, 11, 1331-1335.	1.6	15
32	Predictors of Preoperative Tinnitus in Unilateral Sporadic Vestibular Schwannoma. <i>Frontiers in Neurology</i> , 2017, 8, 378.	2.4	13
33	Clinical validation of kinematic assessments of post-stroke upper limb movements with a multi-joint arm exoskeleton. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 92.	4.6	12
34	Detecting a Cortical Fingerprint of Parkinson's Disease for Closed-Loop Neuromodulation. <i>Frontiers in Neuroscience</i> , 2016, 10, 110.	2.8	11
35	Time Efficiency in Stereotactic Robot-Assisted Surgery: An Appraisal of the Surgical Procedure and Surgeon's Learning Curve. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 25-33.	1.5	10
36	Time-Frequency Representation of Motor Evoked Potentials in Brain Tumor Patients. <i>Frontiers in Neurology</i> , 2020, 11, 633224.	2.4	7

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37	Framed and non-framed robotics in neurosurgery: A 10-year single-center experience. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2282.	2.3	7
38	Evolution in Surgical Treatment of Vestibular Schwannomas. <i>Current Otorhinolaryngology Reports</i> , 0, , 1.	0.5	7
39	Detecting poststroke cortical motor maps with biphasic single- and monophasic paired-pulse TMS. <i>Brain Stimulation</i> , 2020, 13, 1102-1104.	1.6	6
40	Rediscovery of the transcerebellar approach: improving the risk-benefit ratio in robot-assisted brainstem biopsies. <i>Neurosurgical Focus</i> , 2022, 52, E12.	2.3	6
41	A brain-computer interface for chronic pain patients using epidural ECoG and visual feedback. , 2012, , .		5
42	Decoding stimulation intensity from evoked ECoG activity. <i>Neurocomputing</i> , 2014, 141, 46-53.	5.9	5
43	Neurophysiology-Driven Parameter Selection in nTMS-Based DTI Tractography: A Multidimensional Mathematical Model. <i>Frontiers in Neuroscience</i> , 2019, 13, 1373.	2.8	4
44	Cortical and subcortical gray matter changes in patients with chronic tinnitus sustaining after vestibular schwannoma surgery. <i>Scientific Reports</i> , 2021, 11, 8411.	3.3	4
45	Interhemispheric differences in time-frequency representation of motor evoked potentials in brain tumor patients. <i>Clinical Neurophysiology</i> , 2021, 132, 2780-2788.	1.5	4
46	Patient-to-robot registration: The fate of robot-assisted stereotaxy. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2288.	2.3	3
47	Intraoperative localization of spatially and spectrally distinct resting-state networks in Parkinson's disease. <i>Journal of Neurosurgery</i> , 2020, 132, 1234-1242.	1.6	3
48	Repetitive Transcranial Magnetic Stimulation for Tinnitus Treatment in Vestibular Schwannoma: A Pilot Study. <i>Frontiers in Neurology</i> , 2021, 12, 646014.	2.4	2
49	Impaired phase synchronization of motor-evoked potentials reflects the degree of motor dysfunction in the lesioned human brain. <i>Human Brain Mapping</i> , 2022, 43, 2668-2682.	3.6	2
50	Rapid Diagnosis of Central Nervous System Scedosporiosis by Specific Quantitative Polymerase Chain Reaction Applied to Formalin-Fixed, Paraffin-Embedded Tissue. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 19.	3.5	2
51	Design and Evaluation of a Custom-Made Electromyographic Biofeedback System for Facial Rehabilitation. <i>Frontiers in Neuroscience</i> , 2022, 16, 666173.	2.8	1
52	The involvement of the cortifugal fibers in hearing impairment related to a pontine capillary telangiectasia: a connectome-based analysis. <i>Clinical Neurology and Neurosurgery</i> , 2020, 199, 106241.	1.4	0
53	The Role of Intraoperative Neuromonitoring in Adults with Chiari I Malformation. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2015, 76, .	0.8	0