

Demetrio Milardi

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

2,415
citations

172457

29
h-index

254184

43
g-index

101
all docs

101
docs citations

101
times ranked

3316
citing authors

#	ARTICLE	IF	CITATIONS
1	Robotic gait rehabilitation and substitution devices in neurological disorders: where are we now?. <i>Neurological Sciences</i> , 2016, 37, 503-514.	1.9	171
2	The Cortico-Basal Ganglia-Cerebellar Network: Past, Present and Future Perspectives. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 61.	2.5	95
3	Neuroanatomy and function of human sexual behavior: A neglected or unknown issue?. <i>Brain and Behavior</i> , 2019, 9, e01389.	2.2	91
4	Extensive Direct Subcortical Cerebellum-Basal Ganglia Connections in Human Brain as Revealed by Constrained Spherical Deconvolution Tractography. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 29.	1.7	90
5	Cortical and Subcortical Connections of the Human Claustrum Revealed In Vivo by Constrained Spherical Deconvolution Tractography. <i>Cerebral Cortex</i> , 2015, 25, 406-414.	2.9	88
6	Is There a Future for Non-invasive Brain Stimulation as a Therapeutic Tool?. <i>Frontiers in Neurology</i> , 2018, 9, 1146.	2.4	70
7	Basal ganglia network by constrained spherical deconvolution: A possible cortico-pallidal pathway?. <i>Movement Disorders</i> , 2015, 30, 342-349.	3.9	67
8	A Connectomic Analysis of the Human Basal Ganglia Network. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 85.	1.7	61
9	Red nucleus structure and function: from anatomy to clinical neurosciences. <i>Brain Structure and Function</i> , 2021, 226, 69-91.	2.3	60
10	Does Transcranial Alternating Current Stimulation Induce Cerebellum Plasticity? Feasibility, Safety and Efficacy of a Novel Electrophysiological Approach. <i>Brain Stimulation</i> , 2016, 9, 388-395.	1.6	58
11	Immunohistochemical analysis of TGF- β 1 and VEGF in gingival and periodontal tissues: A role of these biomarkers in the pathogenesis of scleroderma and periodontal disease. <i>International Journal of Molecular Medicine</i> , 2012, 30, 502-508.	4.0	55
12	Late-onset Pompe disease (LOPD): Correlations between respiratory muscles CT and MRI features and pulmonary function. <i>Molecular Genetics and Metabolism</i> , 2013, 110, 290-296.	1.1	54
13	Constrained spherical deconvolution analysis of the limbic network in human, with emphasis on a direct cerebello-limbic pathway. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 987.	2.0	53
14	Is two better than one? Muscle vibration plus robotic rehabilitation to improve upper limb spasticity and function: A pilot randomized controlled trial. <i>PLoS ONE</i> , 2017, 12, e0185936.	2.5	52
15	New insights into cortico-basal-cerebellar connectome: clinical and physiological considerations. <i>Brain</i> , 2019, 143, 396-406.	7.6	49
16	The Limbic and Sensorimotor Pathways of the Human Amygdala: A Structural Connectivity Study. <i>Neuroscience</i> , 2018, 385, 166-180.	2.3	46
17	Who May Benefit From Armeo Power Treatment? A Neurophysiological Approach to Predict Neurorehabilitation Outcomes. <i>PM and R</i> , 2016, 8, 971-978.	1.6	43
18	Transforming Growth Factor Beta 1 and Vascular Endothelial Growth Factor Levels in the Pathogenesis of Periodontal Disease. <i>European Journal of Inflammation</i> , 2013, 11, 479-488.	0.5	42

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19	Visual System Involvement in Patients with Newly Diagnosed Parkinson Disease. <i>Radiology</i> , 2017, 285, 885-895.	7.3	42
20	Neural correlates of consciousness: what we know and what we have to learn!. <i>Neurological Sciences</i> , 2015, 36, 505-513.	1.9	41
21	Clinical and pathophysiological clues of respiratory dysfunction in late-onset Pompe disease: New insights from a comparative study by MRI and respiratory function assessment. <i>Neuromuscular Disorders</i> , 2015, 25, 852-858.	0.6	40
22	Structural connectivity-based topography of the human globus pallidus: Implications for therapeutic targeting in movement disorders. <i>Movement Disorders</i> , 2019, 34, 987-996.	3.9	39
23	The Olfactory System Revealed: Non-Invasive Mapping by using Constrained Spherical Deconvolution Tractography in Healthy Humans. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 32.	1.7	37
24	A Direct Cortico-Nigral Pathway as Revealed by Constrained Spherical Deconvolution Tractography in Humans. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 374.	2.0	36
25	Red nucleus connectivity as revealed by constrained spherical deconvolution tractography. <i>Neuroscience Letters</i> , 2016, 626, 68-73.	2.1	36
26	White Matter Tissue Quantification at Low b-Values Within Constrained Spherical Deconvolution Framework. <i>Frontiers in Neurology</i> , 2018, 9, 716.	2.4	36
27	Effects of robotic neurorehabilitation through lokomat plus virtual reality on cognitive function in patients with traumatic brain injury: A retrospective case-control study. <i>International Journal of Neuroscience</i> , 2020, 130, 117-123.	1.6	36
28	Functional Brain Network Topology Discriminates between Patients with Minimally Conscious State and Unresponsive Wakefulness Syndrome. <i>Journal of Clinical Medicine</i> , 2019, 8, 306.	2.4	35
29	The cortico-rubral and cerebello-rubral pathways are topographically organized within the human red nucleus. <i>Scientific Reports</i> , 2019, 9, 12117.	3.3	33
30	Mapping the structural connectivity between the periaqueductal gray and the cerebellum in humans. <i>Brain Structure and Function</i> , 2019, 224, 2153-2165.	2.3	33
31	Non-invasive Brain Stimulation, a Tool to Revert Maladaptive Plasticity in Neuropathic Pain. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 376.	2.0	31
32	Constrained Spherical Deconvolution Tractography Reveals Cerebello-Mammillary Connections in Humans. <i>Cerebellum</i> , 2017, 16, 483-495.	2.5	31
33	Diffusion tensor imaging parameters' changes of cerebellar hemispheres in Parkinson's disease. <i>Neuroradiology</i> , 2015, 57, 327-334.	2.2	30
34	The Known and Missing Links Between the Cerebellum, Basal Ganglia, and Cerebral Cortex. <i>Cerebellum</i> , 2017, 16, 753-755.	2.5	26
35	Spatially coherent and topographically organized pathways of the human globus pallidus. <i>Human Brain Mapping</i> , 2020, 41, 4641-4661.	3.6	26
36	Impulse control disorders in Parkinson's disease: A systematic review on risk factors and pathophysiology. <i>Journal of the Neurological Sciences</i> , 2019, 398, 101-106.	0.6	25

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37	The arterial blood supply of the temporomandibular joint: an anatomical study and clinical implications. <i>Imaging Science in Dentistry</i> , 2013, 43, 37.	1.8	24
38	Role of cortico-pallidal connectivity in the pathophysiology of dystonia. <i>Brain</i> , 2016, 139, e48-e48.	7.6	24
39	Volume rendering based on magnetic resonance imaging: advances in understanding the three-dimensional anatomy of the human knee. <i>Journal of Anatomy</i> , 2007, 211, 399-406.	1.5	21
40	What Do We Know About the Influence of the Cerebellum on Walking Ability? Promising Findings from Transcranial Alternating Current Stimulation. <i>Cerebellum</i> , 2017, 16, 859-867.	2.5	21
41	Biased Visuospatial Attention in Cervical Dystonia. <i>Journal of the International Neuropsychological Society</i> , 2018, 24, 22-32.	1.8	21
42	The role of music therapy in rehabilitation: improving aphasia and beyond. <i>International Journal of Neuroscience</i> , 2018, 128, 90-99.	1.6	20
43	Improving motor performance in Parkinson's disease: a preliminary study on the promising use of the computer assisted virtual reality environment (CAREN). <i>Neurological Sciences</i> , 2020, 41, 933-941.	1.9	20
44	Experimental strain analysis on the entire bony leg compared with FE analysis. <i>Journal of Orthopaedics</i> , 2017, 14, 115-122.	1.3	18
45	Finite element analysis of sagittal balance in different morphotype: Forces and resulting strain in pelvis and spine. <i>Journal of Orthopaedics</i> , 2017, 14, 268-275.	1.3	17
46	Distribution of costameric proteins in normal human ventricular and atrial cardiac muscle.. <i>Folia Histochemica Et Cytobiologica</i> , 2010, 47, 605-8.	1.5	17
47	MRI 3D lateral cerebral ventricles in living humans: morphological and morphometrical age-, gender-related preliminary study. <i>Anatomical Science International</i> , 2013, 88, 61-69.	1.0	16
48	Therapeutic Use of Non-invasive Brain Stimulation in Dystonia. <i>Frontiers in Neuroscience</i> , 2017, 11, 423.	2.8	15
49	Inter-hemispheric Claustral Connections in Human Brain: A Constrained Spherical Deconvolution-Based Study. <i>Clinical Neuroradiology</i> , 2017, 27, 275-281.	1.9	14
50	Amygdalar and hippocampal connections with brainstem and spinal cord: A diffusion MRI study in human brain. <i>Neuroscience</i> , 2017, 343, 346-354.	2.3	14
51	Sensory Abnormalities in Focal Hand Dystonia and Non-Invasive Brain Stimulation. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 956.	2.0	13
52	Sarcoglycan complex in masseter and sternocleidomastoid muscles of baboons: an immunohistochemical study. <i>European Journal of Histochemistry</i> , 2015, 59, 2509.	1.5	13
53	Claustral structural connectivity and cognitive impairment in drug naïve Parkinson's disease. <i>Brain Imaging and Behavior</i> , 2019, 13, 933-944.	2.1	13
54	Morphometrical and morphological analysis of lateral ventricles in schizophrenia patients versus healthy controls. <i>Psychiatry Research - Neuroimaging</i> , 2010, 183, 52-58.	1.8	12

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55	In Vivo Computed Tomography Direct Volume Rendering of the Anterior Ethmoidal Artery: A Descriptive Anatomical Study. <i>International Archives of Otorhinolaryngology</i> , 2020, 24, e38-e46.	0.8	12
56	Robotic Rehabilitation in Spinal Cord Injury: A Pilot Study on End-Effectors and Neurophysiological Outcomes. <i>Annals of Biomedical Engineering</i> , 2021, 49, 732-745.	2.5	12
57	In Vivo Super-Resolution Track-Density Imaging for Thalamic Nuclei Identification. <i>Cerebral Cortex</i> , 2021, 31, 5613-5636.	2.9	12
58	Three-dimensional volume rendering of the ankle based on magnetic resonance images enables the generation of images comparable to real anatomy. <i>Journal of Anatomy</i> , 2009, 215, 592-599.	1.5	10
59	Hemispheric Prevalence During Chewing In Normal Right-Handed and Left-Handed Subjects: A Functional Magnetic Resonance Imaging Preliminary Study. <i>Cranio - Journal of Craniomandibular Practice</i> , 2010, 28, 114-121.	1.4	10
60	In Vivo CT Direct Volume Rendering: A Three-Dimensional Anatomical Description of the Heart. <i>Polski Przegląd Radiologii i Medycyny Nuklearnej</i> , 2016, 81, 21-28.	1.0	10
61	Bridging the Gap Towards Awareness Detection in Disorders of Consciousness: An Experimental Study on the Mirror Neuron System. <i>Brain Topography</i> , 2018, 31, 623-639.	1.8	10
62	Human calf muscles changes after strength training as revealed by diffusion tensor imaging. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019, 59, 853-860.	0.7	9
63	Walking on the Moon: A randomized clinical trial on the role of lower body positive pressure treadmill training in post-stroke gait impairment. <i>Journal of Advanced Research</i> , 2020, 21, 15-24.	9.5	9
64	Enlarged Virchow-Robin Spaces in A Young Man: A Constrained Spherical Deconvolution Tractography Study. <i>Acta Biomedica</i> , 2017, 88, 319-324.	0.3	9
65	Cortico-pallidal connectivity: lessons from patients with dystonia. <i>Annals of Neurology</i> , 2018, 84, 158-158.	5.3	8
66	Neural correlates of fatigue in multiple sclerosis: a combined neurophysiological and neuroimaging approach (R1). <i>Archives Italiennes De Biologie</i> , 2018, 155, 142-151.	0.4	8
67	Role of diffusion tensor imaging in the diagnosis and management of post-traumatic anosmia. <i>Brain Injury</i> , 2017, 31, 1964-1968.	1.2	7
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73	Paving the way for a better understanding of the pathophysiology of gait impairment in myotonic dystrophy: a pilot study focusing on muscle networks. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 116.	4.6	6
74	Can Individuals with Down Syndrome Benefit from Hippotherapy? An Exploratory Study on Gait and Balance. <i>Developmental Neurorehabilitation</i> , 2020, 23, 337-342.	1.1	6
75	White matter substrates of functional connectivity dynamics in the human brain. <i>NeuroImage</i> , 2022, 258, 119391.	4.2	6
76	Can scanning near-field optical microscopy be compared with confocal laser scanning microscopy? A preliminary study on α -sarcoglycan and β 1D-integrin in human skeletal muscle. <i>Journal of Microscopy</i> , 2007, 228, 322-329.	1.8	5
77	The Neglected Cerebello-Limbic Pathways and Neuropsychological Features of the Cerebellum in Emotion. <i>Cerebellum</i> , 2018, 17, 243-246.	2.5	5
78	Force and strain during horseback riding: bridging the gap between theory and clinical practice. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019, 59, 536-538.	0.7	5
79	Anatomical Characterization of the Human Structural Connectivity between the Pedunculo-pontine Nucleus and Globus Pallidus via Multi-Shell Multi-Tissue Tractography. <i>Medicina (Lithuania)</i> , 2020, 56, 452.	2.0	5
80	Does the radiologically isolated syndrome exist? A dual-task cost pilot study. <i>Neurological Sciences</i> , 2017, 38, 2007-2013.	1.9	4
81	Endogenous orientation of visual attention in auditory space. <i>Journal of Advanced Research</i> , 2019, 18, 95-100.	9.5	4
82	Statistical investigation about spinal clinical asymmetry in a school population. <i>Journal of Orthopaedics</i> , 2020, 22, 336-340.	1.3	4
83	Structural Connectivity-Based Parcellation of the Dopaminergic Midbrain in Healthy Subjects and Schizophrenic Patients. <i>Medicina (Lithuania)</i> , 2020, 56, 686.	2.0	4
84	Is intensive gait training feasible and effective at old age? A retrospective case-control study on the use of Lokomat Free-D in patients with chronic stroke. <i>Journal of Clinical Neuroscience</i> , 2021, 92, 159-164.	1.5	4
85	Five years experience on 3,4-diaminopyridine phosphate in Lambert-Éaton syndrome. <i>Medicine (United Kingdom)</i> , 2010, 89, 1078-1083.	1.0	3
86	Functional MRI and laser-evoked potentials evaluation in Charcot-Marie-Tooth syndrome. <i>Neurological Sciences</i> , 2018, 39, 1185-1189.	1.9	3
87	Effects of diffusion signal modeling and segmentation approaches on subthalamic nucleus parcellation. <i>NeuroImage</i> , 2022, 250, 118959.	4.2	3
88	Cerebellar Atrophy Associated with Primary Sjögren's Syndrome: Diagnosis, Therapy, and Virtual Reality Rehabilitation: A Case Report. <i>Innovations in Clinical Neuroscience</i> , 2021, 18, 11-17.	0.1	3
89	Imaging of Temporomandibular Joint: Approach by Direct Volume Rendering. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2014, 8, ZC105-9.	0.8	2
90	A case report of recessive myotonia congenita and early onset cognitive impairment. <i>Medicine (United Kingdom)</i> , 2010, 89, 1078-1083.	1.0	2

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91	Microscopic reconstruction and immunohistochemical analysis of discomalleolar ligament. Heliyon, 2020, 6, e04651.	3.2	2
92	Cortical excitability in patients with resistance to thyroid hormone compared to patients: with hypothyroidism and euthyroid controls: a transcranial magnetic stimulation study. Archives Italiennes De Biologie, 2016, 154, 68-77.	0.4	2
93	Chasing the Chameleon: Psychogenic Paraparesis Responding to Non-Invasive Brain Stimulation. Psychiatry Investigation, 2018, 15, 428-431.	1.6	2
94	Muscle contracture diagnosis: the role of sonoelastography. Journal of Sports Medicine and Physical Fitness, 2016, 56, 1518-1525.	0.7	2
95	Cortical plasticity in patients with Parkinson's disease a window for therapeutic non-invasive neuromodulation. Archives Italiennes De Biologie, 2015, 152, 239-46.	0.4	1
96	Editorial for "Aberrant Hyperconnectivity of Amygdala-Accumbens-Pallidum Pathway Is Associated With Disorganized Nigrostriatal Pathway in Parkinson's Disease". Journal of Magnetic Resonance Imaging, 2020, 52, 1809-1810.	3.4	0
97	Endogenous thermotherapy and laser therapy in the treatment of the medial gastrocnemius tear. Gazzetta Medica Italiana Archivio Per Le Scienze Mediche, 2021, 180, .	0.1	0