

Francesco Di Nardo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141 papers	1,416 citations	21 h-index	31 g-index
150 ext. papers	1,710 ext. citations	2.1 avg, IF	4.62 L-index

#	Paper	IF	Citations
141	Diagnostic performance of 18F-dihydroxyphenylalanine positron emission tomography in patients with paraganglioma: a meta-analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012 , 39, 1144-53	8.8	79
140	Pleomorphic adenoma and benign parotid tumors: extracapsular dissection vs superficial parotidectomy--review of literature and meta-analysis. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014 , 117, 663-76	2	68
139	Assessment of the ankle muscle co-contraction during normal gait: a surface electromyography study. <i>Journal of Electromyography and Kinesiology</i> , 2015 , 25, 347-54	2.5	56
138	Typical and atypical pituitary adenomas: a single-center analysis of outcome and prognosis. <i>Neuroendocrinology</i> , 2015 , 101, 143-50	5.6	52
137	Assessment of the activation modalities of gastrocnemius lateralis and tibialis anterior during gait: a statistical analysis. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 1428-33	2.5	48
136	Statistical analysis of surface electromyographic signal for the assessment of rectus femoris modalities of activation during gait. <i>Journal of Electromyography and Kinesiology</i> , 2013 , 23, 56-61	2.5	43
135	Detection rate of recurrent medullary thyroid carcinoma using fluorine-18 dihydroxyphenylalanine positron emission tomography: a meta-analysis. <i>Academic Radiology</i> , 2012 , 19, 1290-9	4.3	39
134	Gender differences in the myoelectric activity of lower limb muscles in young healthy subjects during walking. <i>Biomedical Signal Processing and Control</i> , 2015 , 19, 14-22	4.9	37
133	Radically resected pituitary adenomas: prognostic role of Ki 67 labeling index in a monocentric retrospective series and literature review. <i>Pituitary</i> , 2014 , 17, 267-76	4.3	35
132	Noninvasive fetal electrocardiography: an overview of the signal electrophysiological meaning, recording procedures, and processing techniques. <i>Annals of Noninvasive Electrocardiology</i> , 2015 , 20, 303-13	1.5	33
131	A Deep Learning Approach to EMG-Based Classification of Gait Phases during Level Ground Walking. <i>Electronics (Switzerland)</i> , 2019 , 8, 894	2.6	30
130	Assessment of the variability of vastii myoelectric activity in young healthy females during walking: a statistical gait analysis. <i>Journal of Electromyography and Kinesiology</i> , 2015 , 25, 800-7	2.5	30
129	Anterior video-assisted approach to the craniovertebral junction: transnasal or transoral? A cadaver study. <i>Acta Neurochirurgica</i> , 2014 , 156, 285-92	3	30
128	Surface-EMG analysis for the quantification of thigh muscle dynamic co-contractions during normal gait. <i>Gait and Posture</i> , 2017 , 51, 228-233	2.6	29
127	Co-contraction activity of ankle muscles during walking: A gender comparison. <i>Biomedical Signal Processing and Control</i> , 2017 , 33, 1-9	4.9	29
126	Comparison between multiparameter flow cytometry and WT1-RNA quantification in monitoring minimal residual disease in acute myeloid leukemia without specific molecular targets. <i>Leukemia Research</i> , 2012 , 36, 401-6	2.7	28
125	Enhanced sympathetic reactivity associates with insulin resistance in the young Zucker rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R376-82	3.2	27

124	Normative EMG patterns of ankle muscle co-contractions in school-age children during gait. <i>Gait and Posture</i> , 2016 , 46, 161-6	2.6	26
123	Optimal time-points for minimal residual disease monitoring change on the basis of the method used in patients with acute myeloid leukemia who underwent allogeneic stem cell transplantation: a comparison between multiparameter flow cytometry and Wilms' tumor 1 expression. <i>Leukemia Research</i> , 2015 , 39, 138-43	2.7	25
122	Extracorporeal Photopheresis for Second-Line Treatment of Chronic Graft-versus-Host Diseases: Results from a Health Technology Assessment in Italy. <i>Value in Health</i> , 2015 , 18, 457-66	3.3	21
121	Noninvasive Fetal Electrocardiography Part I: Pan-Tompkins' Algorithm Adaptation to Fetal R-peak Identification. <i>Open Biomedical Engineering Journal</i> , 2017 , 11, 17-24	0.9	21
120	Balance assessment during squatting exercise: A comparison between laboratory grade force plate and a commercial, low-cost device. <i>Journal of Biomechanics</i> , 2018 , 71, 264-270	2.9	21
119	Predictive role of minimal residual disease and log clearance in acute myeloid leukemia: a comparison between multiparameter flow cytometry and Wilm's tumor 1 levels. <i>Annals of Hematology</i> , 2014 , 93, 1149-57	3	21
118	Is child walking conditioned by gender? Surface EMG patterns in female and male children. <i>Gait and Posture</i> , 2017 , 53, 254-259	2.6	20
117	Deterioration of insulin sensitivity and glucose effectiveness with age and hypertension. <i>American Journal of Hypertension</i> , 2006 , 19, 98-102	2.3	20
116	Segmented beat modulation method for electrocardiogram estimation from noisy recordings. <i>Medical Engineering and Physics</i> , 2016 , 38, 560-8	2.4	19
115	Noninvasive Fetal Electrocardiography Part II: Segmented-Beat Modulation Method for Signal Denoising. <i>Open Biomedical Engineering Journal</i> , 2017 , 11, 25-35	0.9	18
114	A new parameter for quantifying the variability of surface electromyographic signals during gait: The occurrence frequency. <i>Journal of Electromyography and Kinesiology</i> , 2017 , 36, 25-33	2.5	18
113	Health technology assessment of belimumab: a new monoclonal antibody for the treatment of systemic lupus erythematosus. <i>BioMed Research International</i> , 2014 , 2014, 704207	3	18
112	Age-related analysis of insulin resistance, body weight and arterial pressure in the Zucker fatty rat. <i>Experimental Physiology</i> , 2009 , 94, 162-8	2.4	18
111	Hilotherm efficacy in controlling postoperative facial edema in patients treated for maxillomandibular malformations. <i>Journal of Craniofacial Surgery</i> , 2011 , 22, 2114-7	1.2	18
110	Autofluorescence and early detection of mucosal lesions in patients at risk for oral cancer. <i>Journal of Craniofacial Surgery</i> , 2010 , 21, 1899-903	1.2	18
109	The surface electromyographic evaluation of the Functional Reach in elderly subjects. <i>Journal of Electromyography and Kinesiology</i> , 2016 , 26, 102-10	2.5	17
108	CaRiSMA 1.0: Cardiac Risk Self-Monitoring Assessment. <i>The Open Sports Sciences Journal</i> , 2017 , 10, 179-189	1.9	15
107	eCTG: an automatic procedure to extract digital cardiotocographic signals from digital images. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 156, 133-139	6.9	14

106	Validity of the Nintendo Wii Balance Board for the Assessment of Balance Measures in the Functional Reach Test. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 1400-1406 ¹²	4.8	12
105	CTG Analyzer: A graphical user interface for cardiotocography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 2606-2609	0.9	12
104	Insulin action and secretion in hypertension in the absence of metabolic syndrome: model-based assessment from oral glucose tolerance test. <i>Metabolism: Clinical and Experimental</i> , 2009 , 58, 80-92	12.7	12
103	Single IMU Displacement and Orientation Estimation of Human Center of Mass: A Magnetometer-Free Approach. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 5629-5639	5.3	11
102	Assessment of hepatic insulin degradation, in normoglycemic hypertensive patients, by minimal modelling of standard intravenous glucose tolerance test data. <i>Computer Methods and Programs in Biomedicine</i> , 2010 , 97, 189-98	6.9	11
101	Muscle activation patterns related to diabetic neuropathy in elderly subjects: A Functional Reach Test study. <i>Clinical Biomechanics</i> , 2016 , 32, 236-40	2.2	10
100	MATLAB-implemented estimation procedure for model-based assessment of hepatic insulin degradation from standard intravenous glucose tolerance test data. <i>Computer Methods and Programs in Biomedicine</i> , 2013 , 110, 215-25	6.9	10
99	C-Peptide-based assessment of insulin secretion in the Zucker Fatty rat: a modelistic study. <i>PLoS ONE</i> , 2015 , 10, e0125252	3.7	10
98	Recognition of Gait Phases with a Single Knee Electrogoniometer: A Deep Learning Approach. <i>Electronics (Switzerland)</i> , 2020 , 9, 355	2.6	9
97	EMG-Based Characterization of Walking Asymmetry in Children with Mild Hemiplegic Cerebral Palsy. <i>Biosensors</i> , 2019 , 9,	5.9	9
96	Statistical baseline assessment in cardiotocography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 3166-3169	0.9	9
95	The occurrence frequency: A suitable parameter for the evaluation of the myoelectric activity during walking. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 1070-1073	0.9	9
94	Dynamics of insulin action in hypertension: assessment from minimal model interpretation of intravenous glucose tolerance test data. <i>Medical and Biological Engineering and Computing</i> , 2011 , 49, 831-41	3.1	9
93	Co-activation patterns of gastrocnemius and quadriceps femoris in controlling the knee joint during walking. <i>Journal of Electromyography and Kinesiology</i> , 2018 , 42, 117-122	2.5	8
92	Time-frequency analysis of surface EMG signals for maximum energy localization during walking. <i>IFMBE Proceedings</i> , 2018 , 494-497	0.2	8
91	Intra-subject approach for gait-event prediction by neural network interpretation of EMG signals. <i>BioMedical Engineering OnLine</i> , 2020 , 19, 58	4.1	8
90	Assessment of glucose effectiveness from short IVGTT in individuals with different degrees of glucose tolerance. <i>Acta Diabetologica</i> , 2018 , 55, 1011-1018	3.9	7
89	Evaluation of the low-frequency components in surface electromyography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 3622-3625	0.9	7

88	Influence of EMG-signal processing and experimental set-up on prediction of gait events by neural network. <i>Biomedical Signal Processing and Control</i> , 2021 , 63, 102232	4.9	7
87	Glucose effectiveness and its components in relation to body mass index. <i>European Journal of Clinical Investigation</i> , 2019 , 49, e13099	4.6	6
86	Surface EMG patterns for quantification of thigh muscle co-contraction in school-age children: Normative data during walking. <i>Gait and Posture</i> , 2018 , 61, 25-33	2.6	6
85	A MATLAB-based graphical user interface for the identification of muscular activations from surface electromyography signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6066-9	0.9	6
84	Evaluation of gender-related differences in co-contraction activity of shank muscles during gait. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6066-9	0.9	6
83	The segmented-beat modulation method for ECG estimation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 2856-9	0.9	6
82	Glucocorticoid therapy as a significant risk factor for osteoporosis and fractures in an Italian postmenopausal population. <i>Gynecological Endocrinology</i> , 2013 , 29, 678-82	2.4	6
81	Orthognathic surgery: a new preoperative informed consent model. <i>Journal of Craniofacial Surgery</i> , 2009 , 20, 90-2	1.2	6
80	Insulin resistance in hypertension quantified by oral glucose tolerance test: comparison of methods. <i>Metabolism: Clinical and Experimental</i> , 2006 , 55, 143-50	12.7	6
79	Gait Phase Classification from Surface EMG Signals Using Neural Networks. <i>IFMBE Proceedings</i> , 2020 , 75-82	0.2	6
78	A markerless system based on smartphones and webcam for the measure of step length, width and duration on treadmill. <i>Computer Methods and Programs in Biomedicine</i> , 2016 , 125, 37-45	6.9	5
77	2015,		5
76	OSAS surgery and postoperative discomfort: phase I surgery versus phase II surgery. <i>BioMed Research International</i> , 2015 , 2015, 439847	3	5
75	A goniometer-based method for the assessment of gait parameters 2014,		5
74	Intracortical versus anteromedial approach for iliac crest bone harvesting in preprosthetic surgery: a randomized prospective clinical trial. <i>Journal of Craniofacial Surgery</i> , 2013 , 24, 369-72	1.2	5
73	Heart Rate-Dependent Hysteresis of T-Wave Alternans in Primary Prevention ICD Patients. <i>Annals of Noninvasive Electrocardiology</i> , 2016 , 21, 460-9	1.5	4
72	Fetal Phonocardiogram Denoising by Wavelet Transformation: Robustness to Noise 2017,		4
71	T-Wave Alternans Identification in Direct Fetal Electrocardiography 2017,		4

70	Validation of an optimized algorithm to use Kinect in a non-structured environment for Sit-to-Stand analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 5078-81	0.9	4
69	Influence of gender on the myoelectric signal of shank muscles 2014 ,		4
68	IVGTT-based simple assessment of glucose tolerance in the Zucker fatty rat: Validation against minimal models. <i>PLoS ONE</i> , 2017 , 12, e0173200	3.7	4
67	Position Estimation of an IMU Placed on Pelvis Through Meta-heuristically Optimised WFLC. <i>IFMBE Proceedings</i> , 2019 , 659-664	0.2	4
66	Role of the Visual Feedback on Balance Responses to Upright Stance Perturbations. <i>IFMBE Proceedings</i> , 2019 , 685-689	0.2	4
65	A Sliding Mode Control Model for Perturbed Upright Stance in Healthy Subjects. <i>IFMBE Proceedings</i> , 2019 , 719-724	0.2	4
64	A New Segmented-Beat Modulation Algorithm for Maternal ECG Estimation from Abdominal Recordings. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 247-258	0.2	4
63	Machine-Learning-Based Prediction of Gait Events From EMG in Cerebral Palsy Children. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021 , 29, 819-830	4.8	4
62	Detection of surface-EMG activity from the extensor digitorum brevis muscle in healthy children walking. <i>Physiological Measurement</i> , 2018 , 39, 014001	2.9	3
61	A Time-Frequency Approach for the Assessment of Dynamic Muscle Co-contractions. <i>IFMBE Proceedings</i> , 2019 , 223-226	0.2	3
60	Health Monitoring in Sport Through Wearable Sensors: A Novel Approach Based on Heart-Rate Variability. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 235-246	0.2	3
59	Center of Pressure based Assessment of Balance Responses to Repeated Perturbations of Upright Stance. <i>IFMBE Proceedings</i> , 2018 , 262-265	0.2	3
58	The management of multiple sclerosis by reference centers in south of Italy: a 2011 survey on health demands and needs in Campania region. <i>Neurological Sciences</i> , 2016 , 37, 315-22	3.5	3
57	Surface electromyography low-frequency content: Assessment in isometric conditions after electrocardiogram cancellation by the Segmented-Beat Modulation Method. <i>Informatics in Medicine Unlocked</i> , 2018 , 13, 71-80	5.3	3
56	Quantification of Fetal ST-Segment Deviations 2017 ,		2
55	Predictive Power of f99 Repolarization Index for the Occurrence of Ventricular Arrhythmias. <i>Annals of Noninvasive Electrocardiology</i> , 2016 , 21, 152-60	1.5	2
54	An interactive tool for the analysis of muscular recruitment during walking task. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2019 , 7, 175-185	0.9	2
53	Dependency of exercise-induced T-wave alternans predictive power for the occurrence of ventricular arrhythmias from heart rate. <i>Annals of Noninvasive Electrocardiology</i> , 2015 , 20, 345-54	1.5	2

52	Dependence of gait parameters on height in typically developing children. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 7598-601	0.9	2
51	Intensified adjuvant treatment of prostate carcinoma: feasibility analysis of a phase I/II trial. <i>BioMed Research International</i> , 2014 , 2014, 480725	3	2
50	Influence of gender on the myoelectric signal of thigh muscles 2014 ,		2
49	BaS analysis: suggesting a new cephalometric model in follow-up of patients with craniostenosis who underwent craniofacial advancement surgery after 1 year from the end of the distraction protocol. <i>Journal of Craniofacial Surgery</i> , 2009 , 20, 895-8	1.2	2
48	AThRIA: a New Adaptive Threshold Identification Algorithm for Electrocardiographic P Waves		2
47	Gait asymmetry in Winters Group I hemiplegic children. <i>IFMBE Proceedings</i> , 2018 , 976-979	0.2	2
46	Association between Accelerations and Decelerations of Fetal Heart Rate. <i>IFMBE Proceedings</i> , 2018 , 1125-1128	1	2
45	Relationship between Deceleration Areas in the Second Stage of Labor and Neonatal Acidemia		2
44	Separation of Superimposed Electrocardiographic and Electromyographic Signals. <i>IFMBE Proceedings</i> , 2018 , 518-521	0.2	2
43	Estimation of second-phase insulin secretion in the Zucker fatty rat. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 3494-3497	0.9	2
42	Dynamic knee muscle co-contraction quantified during walking. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 3692-3695	0.9	2
41	Estimation of First-Phase Insulin Secretion in the Zucker Fatty Rat. <i>IFMBE Proceedings</i> , 2016 , 551-554	0.2	2
40	The Use of Ropivacaine in Therapeutic Treatment of Oral Aphthosis. <i>BioMed Research International</i> , 2018 , 2018, 1868254	3	2
39	Antagonist thigh-muscle activity in 6-to-8-year-old children assessed by surface EMG during walking. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 3469-3472	0.9	1
38	Second Heart Sound Onset to Identify T-Wave Offset 2017 ,		1
37	Overnight T-Wave Alternans in Sleep Apnea Patients 2017 ,		1
36	A stereophotogrammetric-based method to assess spatio-temporal gait parameters on healthy and Parkinsonian subjects. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 5501-4	0.9	1
35	Assessment of the activation patterns of the muscles involved in the FR test in diabetic neuropathic patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6062-5	0.9	1

34	Insulin secretion rate and beta-cell sensitivity from oral glucose tolerance test in normotensive and normoglycemic humans. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 449-50		1
33	Time-frequency analysis of surface EMG signals for human movement identification. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
32	Insulin Sensitivity and Plasma Glucose Appearance Profile by Oral Minimal Model in Normotensive and Normoglycemic Humans. <i>Lecture Notes in Computer Science</i> , 2006 , 128-136	0.9	1
31	Wavelet Analysis-Based Reconstruction for sEMG Signal Denoising. <i>IFMBE Proceedings</i> , 2020 , 245-252	0.2	1
30	Respiratory Diseases and Health Disorders Related to Indoor and Outdoor Air Pollution 2015 , 109-127		1
29	sEMG-Based Evaluation of Muscle Recruitment Variability During Walking in Terms of Activation Length and Occurrence Frequency. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 189-203	0.2	1
28	Ankle Muscles Co-Activation Patterns During Normal Gait: An Amplitude Evaluation. <i>IFMBE Proceedings</i> , 2018 , 426-429	0.2	1
27	Simple Assessment of Insulin Sensitivity in the Zucker Rat. <i>IFMBE Proceedings</i> , 2018 , 655-658	0.2	1
26	No Changes in Glucose Effectiveness in Condition of Reduced Insulin Action but Preserved Glucose Tolerance as Assessed by Minimal Model Analysis. <i>IFMBE Proceedings</i> , 2018 , 1057-1060	0.2	1
25	Variability of Muscular Recruitment in Hemiplegic Walking Assessed by EMG Analysis. <i>Electronics (Switzerland)</i> , 2020 , 9, 1572	2.6	1
24	Prediction of stride duration by neural-network interpretation of surface EMG signals 2021 ,		1
23	Design, User Experience and Usability Requirements for NGS Workflows in Clinical Applications. <i>IFMBE Proceedings</i> , 2016 , 546-550	0.2	1
22	The Relative Role of Insulin Action and Secretion in Experimental Animal Models of Metabolic Syndrome. <i>IFMBE Proceedings</i> , 2016 , 555-558	0.2	1
21	Complexity Measures of Postural Control in Type-2 Diabetic Subjects. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3527-3530	0.9	1
20	Accuracy Evaluation of Force Measurement Through the Wii Balance Board During Squat and Functional Reach Tests 2019 ,		1
19	Evaluation of a New Wearable Technology for Kinematic Analysis During Perturbed Posture 2019 ,		1
18	Measurement of stride time by machine learning: sensitivity analysis for the simplification of the experimental protocol. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	1
17	Adaptive Match-Filtering: A Biomedical Application to Identify T-Wave Alternans. <i>Natural Science</i> , 2014 , 06, 709-718	0.5	0

16	A biomechanical model for the evaluation by electrogoniometry of spatio-temporal parameters during walking. <i>International Journal of Biomechatronics and Biomedical Robotics</i> , 2015 , 3, 129	0
15	Preliminary results of homomorphic deconvolution application to surface EMG signals during walking. <i>Procedia Computer Science</i> , 2021 , 192, 3272-3280	1.6
14	Gait Asymmetry in Winters Group I Hemiplegic Children: Role of Tibialis Anterior. <i>IFMBE Proceedings</i> , 2019 , 681-684	0.2
13	Are Extensor Digitorum Brevis and Gastrocnemius Working Together? Surface EMG Analysis in Healthy Children. <i>IFMBE Proceedings</i> , 2019 , 219-222	0.2
12	Fifty Years of Biomedical Engineering: From Origin to Smart Technologies 2019 , 123-141	
11	Muscular Co-contraction Detection: A Wavelet Coherence Approach. <i>IFMBE Proceedings</i> , 2020 , 54-61	0.2
10	Co-activation of Knee Muscles in Female vs. Male Adults. <i>IFMBE Proceedings</i> , 2020 , 167-173	0.2
9	A Method for Computing the Functional Ambulation Profile Score by Stereophotogrammetric Data. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 285-298	0.2
8	Webcam and Smartphone for the Measure of Spatial-Temporal Parameters of Gait for Treadmill Use. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 261-272	0.2
7	The Wireless Surface Electromyographic Technique for Supporting the Assessment of Fall Risk in Diabetic Neuropathic Patients. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 273-284	0.2
6	Gender-related differences in ankle-muscles recruitment during walking. <i>International Journal of Biomechatronics and Biomedical Robotics</i> , 2020 , 3, 197	0
5	Frequency-of-occurrence of myoelectric patterns to evaluate gait motor control strategies after hip replacement surgery. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 3159-3162	0.9
4	Co-activation periods of gastrocnemius and vastus lateralis during walking evaluated by surface electromyography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 3696-3699	0.9
3	Are the Rectus Femoris and the Vastus Lateralis Concurrently Recruited During Walking?. <i>IFMBE Proceedings</i> , 2016 , 42-45	0.2
2	Fractal Analysis of Motor Control in Knee Arthroplasty Patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3159-3162	0.9
1	Modeling Perturbed Posture Through An Adaptive Sliding Mode Approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 5335-5338	0.9