Silvia Orlandi

List of Publications by Year
in descending order

36 papers	**678** citations	687220 **13** h-index	642610 **23** g-index
38 all docs	**38** docs citations	**38** times ranked	**669** citing authors

#	Article	IF	Citations
1	Analysis of facial expressions in parkinson's disease through video-based automatic methods. Journal of Neuroscience Methods, 2017, 281, 7-20.	1.3	84
2	Application of Pattern Recognition Techniques to the Classification of Full-Term and Preterm Infant Cry. Journal of Voice, 2016, 30, 656-663.	0.6	59
3	Smartphones Offer New Opportunities in Clinical Voice Research. Journal of Voice, 2017, 31, 111.e1-111.e7.	0.6	55
4	Classifying infant cry patterns by the Genetic Selection of a Fuzzy Model. Biomedical Signal Processing and Control, 2015, 17, 38-46.	3.5	42
5	Markerless Analysis of Articulatory Movements in Patients With Parkinson's Disease. Journal of Voice, 2016, 30, 766.e1-766.e11.	0.6	31
6	High-resolution cry analysis in preterm newborn infants. Medical Engineering and Physics, 2009, 31, 528-532.	0.8	30
7	Detection of Atypical and Typical Infant Movements using Computer-based Video Analysis. , 2018, 2018, 3598-3601.		29
8	Automated movement recognition to predict motor impairment in high‐risk infants: a systematic review of diagnostic test accuracy and meta‐analysis. Developmental Medicine and Child Neurology, 2021, 63, 637-648.	1.1	27
9	Automatic identification of dysprosody in idiopathic Parkinson's disease. Biomedical Signal Processing and Control, 2015, 17, 47-54.	3.5	26
10	Automatic Assessment of Acoustic Parameters of the Singing Voice: Application to Professional Western Operatic and Jazz Singers. Journal of Voice, 2015, 29, 517.e1-517.e9.	0.6	25
11	Automatic newborn cry analysis: A Non-invasive tool to help autism early diagnosis. , 2012, 2012, 2953-6.		24
12	AVIM—A contactless system for infant data acquisition and analysis: Software architecture and first results. Biomedical Signal Processing and Control, 2015, 20, 85-99.	3.5	21
13	Automatic Detection of Amyotrophic Lateral Sclerosis (ALS) from Video-Based Analysis of Facial Movements: Speech and Non-Speech Tasks. , 2018, , .		21
14	Brain-Computer Interfaces for Children With Complex Communication Needs and Limited Mobility: A Systematic Review. Frontiers in Human Neuroscience, 2021, 15, 643294.	1.0	19
15	Automated tracking of quantitative parameters from single line scanning of vocal folds: A case study of the 'messa di voce' exercise. Logopedics Phoniatrics Vocology, 2015, 40, 44-54.	0.5	18
16	Automated detection and classification of basic shapes of newborn cry melody. Biomedical Signal Processing and Control, 2018, 45, 174-181.	3.5	18
17	Effective pre-processing of long term noisy audio recordings: An aid to clinical monitoring. Biomedical Signal Processing and Control, 2013, 8, 799-810.	3.5	17
18	Central blood oxygen saturation vs crying in preterm newborns. Biomedical Signal Processing and Control, 2012, 7, 88-92.	3.5	13

#	Article	IF	Citations
19	Effect of local blood flow in thermal regulation in diabetic patient. Microvascular Research, 2013, 88, 42-47.	1.1	12
20	Testing software tools with synthesized deviant voices for medicolegal assessment of occupational dysphonia. Biomedical Signal Processing and Control, 2014, 13, 71-78.	3.5	11
21	Automated movement analysis to predict motor impairment in preterm infants: a retrospective study. Journal of Perinatology, 2019, 39, 1362-1369.	0.9	11
22	Automated analysis of newborn cry: relationships between melodic shapes and native language. Biomedical Signal Processing and Control, 2019, 53, 101561.	3.5	11
23	Testing software tools for newborn cry analysis using synthetic signals. Biomedical Signal Processing and Control, 2017, 37, 16-22.	3.5	10
24	Phonetic analysis during treatment with rapid maxillary expander. Orthodontics and Craniofacial Research, 2017, 20, 21-29.	1.2	9
25	BioVoice: A multipurpose tool for voice analysis. Biomedical Signal Processing and Control, 2021, 64, 102302.	3.5	8
26	Modelling of Thermal Hyperemia in the Skin of Type 2 Diabetic Patients. Journal of Healthcare Engineering, 2013, 4, 541-554.	1.1	7
27	A novel approach to automatically quantify the level of coincident activity between EMG and MMG signals. Journal of Electromyography and Kinesiology, 2018, 41, 34-40.	0.7	7
28	Does music induce interbrain synchronization between a non-speaking youth with cerebral palsy (CP), a parent, and a neurologic music therapist? A brief report. Developmental Neurorehabilitation, 2022, 25, 426-432.	0.5	7
29	Stress Assessment by Combining Neurophysiological Signals and Radio Communications of Air Traffic Controllers. , 2020, 2020, 851-854.		6
30	Automated Movement Analysis to Predict Cerebral Palsy in Very Preterm Infants: An Ambispective Cohort Study. Children, 2022, 9, 843.	0.6	5
31	A comparison and classification of oscillatory characteristics in speech perception and covert speech. Brain Research, 2022, 1781, 147778.	1.1	3
32	Non-invasive distress evaluation in preterm newborn infants. , 2008, 2008, 2908-11.		2
33	Non invasive distress monitoring in children hospital intensive care unit. , 2008, , .		2
34	Designing a wearable MMG-based mobile app for gait rehab. , 2017, , .		1
35	Customized Access Technology for Children using Head Movement Recognition. , 2020, 2020, 1783-1786.		1
36	Discrimination of Fatigue in Walking Patterns. IFMBE Proceedings, 2009, , 1275-1278.	0.2	1