Claudia Manfredi

List of Publications by Year
in descending order

		471061	580395
37 papers	697 citations	17 h-index	25 g-index
41 all docs	41 docs citations	41 times ranked	638 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	Acoustic analysis of newborn infant cry signals. Medical Engineering and Physics, 1998, 20, 432-442.	0.8	51
4	Ripples damping due to monomolecular films. Journal of Colloid and Interface Science, 1987, 119, 74-80.	5.0	31
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	Validity of jitter measures in non-quasi-periodic voices. Part II: The effect of noise. Logopedics Phoniatrics Vocology, 2011, 36, 78-89.	0.5	30
7	Ambulatory Phonation Monitoring in a Sample of 92 Call Center Operators. Journal of Voice, 2014, 28, 393.e1-393.e6.	0.6	26
8	Validity of jitter measures in non-quasi-periodic voices. Part I: Perceptual and computer performances in cycle pattern recognition. Logopedics Phoniatrics Vocology, 2011, 36, 70-77.	0.5	25
9	Quantitative analysis of videokymography in normal and pathological vocal folds: a preliminary study. European Archives of Oto-Rhino-Laryngology, 2012, 269, 207-212.	0.8	25
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	Maximal Ambient Noise Levels and Type of Voice Material Required for Valid Use of Smartphones in Clinical Voice Research. Journal of Voice, 2017, 31, 550-556.	0.6	23
12	Analysis of vocal disorders in a feature space. Medical Engineering and Physics, 2000, 22, 413-418.	0.8	22
13	Videokymographic image processing: Objective parameters and user-friendly interface. Biomedical Signal Processing and Control, 2012, 7, 192-201.	3.5	22
14	A New Insight Into Postsurgical Objective Voice Quality Evaluation: Application to Thyroplastic Medialization. IEEE Transactions on Biomedical Engineering, 2006, 53, 442-451.	2.5	21
15	A multipurpose user-friendly tool for voice analysis: Application to pathological adult voices. Biomedical Signal Processing and Control, 2009, 4, 212-220.	3.5	21
16	AVIMâ€"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
17	Automated tracking of quantitative parameters from single line scanning of vocal folds: A case study of the â€˜messa di voceâ€™ exercise. Logopedics Phoniatrics Vocology, 2015, 40, 44-54.	0.5	18
18	Automated detection and classification of basic shapes of newborn cry melody. Biomedical Signal Processing and Control, 2018, 45, 174-181.	3.5	18

#	ARTICLE	IF	CITATIONS
19	Automatic detection and sonification of nonmotor generalized onset epileptic seizures: Preliminary results. Brain Research, 2019, 1721, 146341.	1.1	16
20	Multiparametric EEG analysis of brain network dynamics during neonatal seizures. Journal of Neuroscience Methods, 2021, 348, 109003.	1.3	15
21	Automatic Detection of Epileptic Seizures in Neonatal Intensive Care Units Through EEG, ECG and Video Recordings: A Survey. IEEE Access, 2021, 9, 138174-138191.	2.6	14
22	Neonatal Seizures Detection using Stationary Wavelet Transform and Deep Neural Networks: Preliminary Results. , 2020, , .		13
23	Physiology and Acoustics of Inspiratory Phonation. Journal of Voice, 2016, 30, 769.e9-769.e18.	0.6	12
24	Voice dosimetry and monitoring, with emphasis on professional voice diseases: Critical review and framework for future research. Logopedics Phoniatrics Vocology, 2014, 41, 1-17.	0.5	9
25	Multiscale Entropy Analysis of Heart Rate Variability in Neonatal Patients with and without Seizures. Bioengineering, 2021, 8, 122.	1.6	9
26	A Robust Tool for Newborn Infant Cry Analysis. , 2006, 2006, 509-12.		8
27	BioVoice: A multipurpose tool for voice analysis. Biomedical Signal Processing and Control, 2021, 64, 102302.	3.5	8
28	Software corrections of vocal disorders. Computer Methods and Programs in Biomedicine, 2002, 68, 135-145.	2.6	7
29	Modelling of Thermal Hyperemia in the Skin of Type 2 Diabetic Patients. Journal of Healthcare Engineering, 2013, 4, 541-554.	1.1	7
30	Multidimensional Assessment of the Effectiveness of Group Voice Therapy. Journal of Voice, 2017, 31, 714-721.	0.6	4
31	Semioccluded Vocal Tract Exercises Improve Self-Perceived Voice Quality in Healthy Actors. Journal of Voice, 2022, 36, 584.e7-584.e14.	0.6	4
32	Recursive autoregressive spectral maps for ocular pathology detection. Ultrasound in Medicine and Biology, 1997, 23, 391-403.	0.7	3
33	Voice quality monitoring: A portable device prototype. , 2008, 2008, 997-1000.		3
34	Heart Rate Variability Analysis for Seizure Detection in Neonatal Intensive Care Units. Bioengineering, 2022, 9, 165.	1.6	3
35	Models and analysis of vocal emissions. Medical Engineering and Physics, 2002, 24, 449-452.	0.8	0
36	A Robust Tool to Compare Pre- and Post-Surgical Voice Quality. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2568-71.	0.5	0

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37	A Robust Tool for Newborn Infant Cry Analysis. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0