Nikos Fakotakis

List of Publications by Year
in descending order

51 papers	1,022 citations	840585 11 h-index	526166 27 g-index
53 all docs	53 docs citations	53 times ranked	755 citing authors

#	Article	IF	Citations
1	Automatic Text Categorization in Terms of Genre and Author. Computational Linguistics, 2000, 26, 471-495.	2.5	264
2	Probabilistic Novelty Detection for Acoustic Surveillance Under Real-World Conditions. IEEE Transactions on Multimedia, 2011, 13, 713-719.	5.2	95
3	On acoustic surveillance of hazardous situations. , 2009, , .		90
4	Modeling the Temporal Evolution of Acoustic Parameters for Speech Emotion Recognition. IEEE Transactions on Affective Computing, 2012, 3, 116-125.	5.7	74
5	Machine Learning Tools for Long-Term Type 2 Diabetes Risk Prediction. IEEE Access, 2021, 9, 103737-103757.	2.6	50
6	An Adaptive Framework for Acoustic Monitoring of Potential Hazards. Eurasip Journal on Audio, Speech, and Music Processing, 2009, 2009, 1-15.	1.3	44
7	Affective speech interface in serious games for supporting therapy of mental disorders. Expert Systems With Applications, 2012, 39, 11072-11079.	4.4	37
8	Exploiting Temporal Feature Integration for Generalized Sound Recognition. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.0	30
9	Acoustic Monitoring of Singing Insects. , 2007, , .		27
10	A text-independent speaker recognition system based on vowel spotting. Speech Communication, 1993, 12, 57-68.	1.6	25
11	Fusion of acoustic and optical sensor data for automatic fight detection in urban environments. , 2010, , .		23
12	Speech segmentation using regression fusion of boundary predictions. Computer Speech and Language, 2010, 24, 273-288.	2.9	21
13	A hybrid architecture for automatic segmentation of speech waveforms. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	14
14	Improving phone duration modelling using support vector regression fusion. Speech Communication, 2011, 53, 85-97.	1.6	14
15	An approach for Personalized Continuous Glucose Prediction with Regression Trees. , 2021, , .		14
16	A hybrid syllable recognition system based on vowel spotting. Speech Communication, 2002, 38, 427-440.	1.6	13
17	Automatic acoustic identification of crickets and cicadas. , 2007, , .		13
18	PROMETHEUS database: A multimodal corpus for research on modeling and interpreting human behavior. , 2009, , .		12

#	Article	IF	Citations
19	Study on Speaker-Independent Emotion Recognition from Speech on Real-World Data. Lecture Notes in Computer Science, 2008, , 235-242.	1.0	12
20	Long-term Cholesterol Risk Prediction using Machine Learning Techniques in ELSA Database. , 2021, , .		12
21	Context-adaptive pre-processing scheme for robust speech recognition in fast-varying noise environment. Signal Processing, 2011, 91, 2101-2111.	2.1	10
22	SmartWork. , 2019, , .		10
23	The Effect of Emotional Speech on a Smart-Home Application. Lecture Notes in Computer Science, 2008, , 305-310.	1.0	9
24	Wavelet packet approximation of critical bands for speaker verification. International Journal of Speech Technology, 2007, 10, 197-218.	1.4	8
25	Phonetic segmentation using multiple speech features. International Journal of Speech Technology, 2008, 11, 73-85.	1.4	8
26	Robust speech interaction in motorcycle environment. Expert Systems With Applications, 2010, 37, 1827-1835.	4.4	8
27	Automated Acoustic Classification of Bird Species from Real -Field Recordings. , 2012, , .		8
28	Two-stage phone duration modelling with feature construction and feature vector extension for the needs of speech synthesis. Computer Speech and Language, 2012, 26, 274-292.	2.9	8
29	Automatic acquisition of verb subcategorization information by exploiting mininal linguistic resources. International Journal of Corpus Linguistics, 2004, 9, 1-28.	0.6	7
30	Conceptual architecture of a multi-dimensional modeling framework for older office workers. , 2019, , .		7
31	Using Hybrid HMM-Based Speech Segmentation to Improve Synthetic Speech Quality. , 2009, , .		5
32	PHONETIC SEGMENTATION OF EMOTIONAL SPEECH WITH HMM-BASED METHODS. International Journal of Pattern Recognition and Artificial Intelligence, 2010, 24, 1159-1179.	0.7	5
33	Outliers Removal of Highly Dense and Unorganized Point Clouds Acquired by Laser Scanners in Urban Environments. , 2018, , .		5
34	Outliers Removal and Consolidation of DYNAMIC Point Cloud. , 2018, , .		5
35	Automatic Speech Recognition System for Home Appliances Control. , 2009, , .		4
36	SPEECH ENHANCEMENT FOR ROBUST SPEECH RECOGNITION IN MOTORCYCLE ENVIRONMENT. International Journal on Artificial Intelligence Tools, 2010, 19, 159-173.	0.7	4

#	Article	IF	Citations
37	Weighted regularized laplacian interpolation for consolidation of highly-incomplete time varying point clouds. , 2017, , .		4
38	Phone duration modeling: overview of techniques andÂperformance optimization via feature selection in the context ofÂemotional speech. International Journal of Speech Technology, 2010, 13, 175-188.	1.4	3
39	Dynamic selection of a speech enhancement method for robust speech recognition in moving motorcycle environment. , 2011, , .		3
40	Data-Driven Audio Feature Space Clustering for Automatic Sound Recognition in Radio Broadcast News. International Journal on Artificial Intelligence Tools, 2017, 26, 1750005.	0.7	3
41	3D Mesh Inpainting Using Matrix Completion via Augmented Lagrange Multiplier Method. , 2018, , .		3
42	EVALUATING INTONATIONAL FEATURES FOR EMOTION RECOGNITION FROM SPEECH. International Journal on Artificial Intelligence Tools, 2007, 16, 1001-1014.	0.7	2
43	Detection of Negative Emotional States in Real-World Scenario. , 2007, , .		2
44	Sound classification based on temporal feature integration. , 2010, , .		2
45	Support vector regression fusion scheme in phone duration modeling. , 2011, , .		2
46	A PRACTICAL SYSTEM FOR ACOUSTIC SURVEILLANCE OF HAZARDOUS SITUATIONS. International Journal on Artificial Intelligence Tools, 2011, 20, 119-137.	0.7	2
47	Title is missing!. International Journal of Speech Technology, 2002, 5, 355-370.	1.4	0
48	DOMAIN KNOWLEDGE ACQUISITION AND PLAN RECOGNITION BY PROBABILISTIC REASONING. International Journal on Artificial Intelligence Tools, 2004, 13, 333-365.	0.7	0
49	Learning verb complements for Modern Greek: balancing the noisy dataset. Natural Language Engineering, 2008, 14, .	2.1	0
50	A collaborative speech enhancement approach for speech recognition in motorcycle environment. , 2009, , .		0
51	The MoveOn database: motorcycle environment speech and noise database for command and control applications. Language Resources and Evaluation, 2013, 47, 539-563.	1.8	0