

Panayiotis Panos Georgiou

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

2,097
citations

393982

19
h-index

329751

37
g-index

104
all docs

104
docs citations

104
times ranked

1916
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Label Multi-Task Deep Learning for Behavioral Coding. IEEE Transactions on Affective Computing, 2022, 13, 508-518.	5.7	17
2	Modeling Vocal Entrainment in Conversational Speech Using Deep Unsupervised Learning. IEEE Transactions on Affective Computing, 2022, 13, 1651-1663.	5.7	7
3	Automated evaluation of psychotherapy skills using speech and language technologies. Behavior Research Methods, 2022, 54, 690-711.	2.3	28
4	Confusion2Vec 2.0: Enriching ambiguous spoken language representations with subwords. PLoS ONE, 2022, 17, e0264488.	1.1	1
5	An analysis of observation length requirements for machine understanding of human behaviors from spoken language. Computer Speech and Language, 2021, 66, 101162.	2.9	1
6	Multimodal Embeddings From Language Models for Emotion Recognition in the Wild. IEEE Signal Processing Letters, 2021, 28, 608-612.	2.1	15
7	Unsupervised speech representation learning for behavior modeling using triplet enhanced contextualized networks. Computer Speech and Language, 2021, 70, 101226.	2.9	1
8	Speaker-Invariant Affective Representation Learning via Adversarial Training. , 2020, , .		24
9	Automatic Prediction of Suicidal Risk in Military Couples Using Multimodal Interaction Cues from Couples Conversations. , 2020, , .		11
10	Transfer learning from adult to children for speech recognition: Evaluation, analysis and recommendations. Computer Speech and Language, 2020, 63, 101077.	2.9	52
11	Linking emotions to behaviors through deep transfer learning. PeerJ Computer Science, 2020, 6, e246.	2.7	11
12	Role Specific Lattice Rescoring for Speaker Role Recognition from Speech Recognition Outputs. , 2019, , .		1
13	Neural Predictive Coding Using Convolutional Neural Networks Toward Unsupervised Learning of Speaker Characteristics. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1577-1589.	4.0	33
14	Improving the Prediction of Therapist Behaviors in Addiction Counseling by Exploiting Class Confusions. , 2019, , .		6
15	Learning from past mistakes: improving automatic speech recognition output via noisy-clean phrase context modeling. APSIPA Transactions on Signal and Information Processing, 2019, 8, .	2.6	12
16	Design feasibility of an automated, machine-learning based feedback system for motivational interviewing.. Psychotherapy, 2019, 56, 318-328.	0.7	47
17	Confusion2Vec: towards enriching vector space word representations with representational ambiguities. PeerJ Computer Science, 2019, 5, e195.	2.7	12
18	Unsupervised online multitask learning of behavioral sentence embeddings. PeerJ Computer Science, 2019, 5, e200.	2.7	3

#	ARTICLE	IF	CITATIONS
19	Cardiovascular Reactivity During Marital Conflict in Laboratory and Naturalistic Settings: Differential Associations with Relationship and Individual Functioning Across Contexts. <i>Family Process</i> , 2018, 57, 662-678.	1.4	22
20	Everyday couples' communication research: Overcoming methodological barriers with technology. <i>Patient Education and Counseling</i> , 2018, 101, 551-556.	1.0	19
21	Towards Predicting Physiology from Speech During Stressful Conversations: Heart Rate and Respiratory Sinus Arrhythmia. , 2018, , .		6
22	A Deep Reinforcement Learning Framework for Identifying Funny Scenes in Movies. , 2018, , .		10
23	"Honey, I Learned to Talk". , 2018, , .		5
24	The language of interpersonal interaction: An interdisciplinary approach to assessing and processing vocal and speech data. <i>European Journal of Counselling Psychology</i> , 2018, 7, 69-85.	0.8	10
25	Multiple Instance Learning for Behavioral Coding. <i>IEEE Transactions on Affective Computing</i> , 2017, 8, 81-94.	5.7	5
26	Exploring sparse representation measures of physiological synchrony for romantic couples. , 2017, , .		4
27	Unsupervised latent behavior manifold learning from acoustic features: Audio2behavior. , 2017, , .		5
28	The Promise and the Challenge of Technology-Facilitated Methods for Assessing Behavioral and Cognitive Markers of Risk for Suicide among U.S. Army National Guard Personnel. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 361.	1.2	5
29	Clinical efficacy of omalizumab in chronic spontaneous urticaria is associated with a reduction of Fc μ R1-positive cells in the skin. <i>Theranostics</i> , 2017, 7, 1266-1276.	4.6	113
30	Predicting couple therapy outcomes based on speech acoustic features. <i>PLoS ONE</i> , 2017, 12, e0185123.	1.1	22
31	Conceptual and statistical issues in couples observational research: Rationale and methods for design decisions.. <i>Journal of Family Psychology</i> , 2017, 31, 972-982.	1.0	11
32	Multimodal and Multiresolution Depression Detection from Speech and Facial Landmark Features. , 2016, , .		85
33	Computational Analysis and Simulation of Empathic Behaviors: a Survey of Empathy Modeling with Behavioral Signal Processing Framework. <i>Current Psychiatry Reports</i> , 2016, 18, 49.	2.1	27
34	"It sounds like..." A natural language processing approach to detecting counselor reflections in motivational interviewing.. <i>Journal of Counseling Psychology</i> , 2016, 63, 343-350.	1.4	33
35	A technology prototype system for rating therapist empathy from audio recordings in addiction counseling. <i>PeerJ Computer Science</i> , 2016, 2, e59.	2.7	32
36	TIGER-3: A phase 3 multinational open-label randomized study of rociletinib vs investigator-choice chemotherapy in patients (pts) with epidermal growth factor receptor mutant-positive (EGFRm) non-small cell lung cancer (NSCLC) progressing on prior EGFR tyrosine kinase inhibitor (TKI) therapy and doublet chemotherapy.. <i>Journal of Clinical Oncology</i> , 2016, 34, TPS9106-TPS9106.	0.8	0

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37	Modeling head motion entrainment for prediction of couples' behavioral characteristics. , 2015, , .		5
38	"Rate My Therapist": Automated Detection of Empathy in Drug and Alcohol Counseling via Speech and Language Processing. PLoS ONE, 2015, 10, e0143055.	1.1	72
39	A language-based generative model framework for behavioral analysis of couples' therapy. , 2015, , .		13
40	Advancing Methods for Reliably Assessing Motivational Interviewing Fidelity using the Motivational Interviewing Skills Code. Journal of Substance Abuse Treatment, 2015, 49, 50-57.	1.5	20
41	Behaviorally-based couple therapies reduce emotional arousal during couple conflict. Behaviour Research and Therapy, 2015, 72, 49-55.	1.6	29
42	Head Motion Modeling for Human Behavior Analysis in Dyadic Interaction. IEEE Transactions on Multimedia, 2015, 17, 1107-1119.	5.2	36
43	Quantifying EDA synchrony through joint sparse representation: A case-study of couples' interactions. , 2015, , .		5
44	Redundancy analysis of behavioral coding for couples therapy and improved estimation of behavior from noisy annotations. , 2015, , .		7
45	Efficacy and Safety of Omalizumab in Patients with Chronic Idiopathic/Spontaneous Urticaria Who Remain Symptomatic on H 1 Antihistamines: A Randomized, Placebo-Controlled Study. Journal of Investigative Dermatology, 2015, 135, 67-75.	0.3	307
46	Classification of clean and noisy bilingual movie audio for speech-to-speech translation corpora design. , 2014, , .		0
47	Theoretical Analysis of Diversity in an Ensemble of Automatic Speech Recognition Systems. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 711-726.	4.0	59
48	Computing vocal entrainment: A signal-derived PCA-based quantification scheme with application to affect analysis in married couple interactions. Computer Speech and Language, 2014, 28, 518-539.	2.9	60
49	High-quality bilingual subtitle document alignments with application to spontaneous speech translation. Computer Speech and Language, 2013, 27, 572-591.	2.9	1
50	On-line genre classification of TV programs using audio content. , 2013, , .		8
51	Unsupervised data processing for classifier-based speech translator. Computer Speech and Language, 2013, 27, 438-454.	2.9	2
52	Enabling effective design of multimodal interfaces for speech-to-speech translation system: An empirical study of longitudinal user behaviors over time and user strategies for coping with errors. Computer Speech and Language, 2013, 27, 554-571.	2.9	6
53	Toward automating a human behavioral coding system for married couples'™ interactions using speech acoustic features. Speech Communication, 2013, 55, 1-21.	1.6	84
54	Technology-Based Medical Interpretation for Cross-Language Communication: In Person, Telephone, and Videoconference Interpretation and Their Comparative Impact On Limited English Proficiency (LEP) Patient and Doctor. Lecture Notes in Computer Science, 2013, , 137-146.	1.0	1

#	ARTICLE	IF	CITATIONS
55	Multimodal detection of salient behaviors of approach-avoidance in dyadic interactions. , 2012, , .		2
56	Latent acoustic topic models for unstructured audio classification. APSIPA Transactions on Signal and Information Processing, 2012, 1, .	2.6	11
57	Supervised acoustic topic model with a consequent classifier for unstructured audio classification. , 2012, , .		4
58	A reranking approach for recognition and classification of speech input in conversational dialogue systems. , 2012, , .		21
59	Correlates and characteristics of adolescents' encoded emotional arousal during family conflict.. Emotion, 2012, 12, 1281-1291.	1.5	22
60	Enhanced Sparse Imputation Techniques for a Robust Speech Recognition Front-End. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2418-2429.	3.8	19
61	Accurate transcription of broadcast news speech using multiple noisy transcribers and unsupervised reliability metrics. , 2011, , .		16
62	Overlapped speech detection using long-term spectro-temporal similarity in stereo recording. , 2011, , .		2
63	Towards modeling user behavior in interactions mediated through an automated bidirectional speech translation system. Computer Speech and Language, 2010, 24, 232-256.	2.9	5
64	Language model adaptation using WWW documents obtained by utterance-based queries. , 2010, , .		7
65	Using naïve text queries for robust audio information retrieval. , 2010, , .		1
66	Robust word boundary detection in spontaneous speech using acoustic and lexical cues. , 2009, , .		5
67	A robust harmony structure modeling scheme for classical music opus identification. , 2009, , .		1
68	An Iterative Relative Entropy Minimization-Based Data Selection Approach for n-Gram Model Adaptation. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 13-23.	3.8	20
69	Lattice-based lexical cues for word fragment detection in conversational speech. , 2009, , .		1
70	Challenging Uncertainty in Query by Humming Systems: A Fingerprinting Approach. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 359-371.	3.8	38
71	Multimodal Speaker Segmentation in Presence of Overlapped Speech Segments. , 2008, , .		4
72	Real-time Emotion Detection System using Speech: Multi-modal Fusion of Different Timescale Features. , 2007, , .		61

#	ARTICLE	IF	CITATIONS
73	Statistical Modeling and Retrieval of Polyphonic Music. , 2007, , .		8
74	Analyzing the Multimodal Behaviors of Users of a Speech-to-Speech Translation Device by using Concept Matching Scores. , 2007, , .		0
75	Multimodal Meeting Monitoring: Improvements on Speaker Tracking and Segmentation through a Modified Mixture Particle Filter. , 2007, , .		4
76	Maximum likelihood parameter estimation under impulsive conditions, a sub-Gaussian signal approach. Signal Processing, 2006, 86, 3061-3075.	2.1	10
77	Robust maximum likelihood source localization: the case for sub-Gaussian versus Gaussian. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 1470-1480.	3.8	15
78	How to talk to a hologram. , 2006, , .		14
79	Transonics: a speech to speech system for English-Persian interactions. , 2003, , .		19
80	Alpha-stable robust modeling of background noise for enhanced sound source localization. , 1999, , .		1
81	Alpha-stable modeling of noise and robust time-delay estimation in the presence of impulsive noise. IEEE Transactions on Multimedia, 1999, 1, 291-301.	5.2	177
82	A new model of source dependent noise for robust array signal processing. , 0, , .		0
83	ASCII based transcription systems for languages with the Arabic script: the case of Persian. , 0, , .		6
84	Couples Behavior Modeling and Annotation Using Low-Resource LSTM Language Models. , 0, , .		10
85	Sparsely Connected and Disjointly Trained Deep Neural Networks for Low Resource Behavioral Annotation: Acoustic Classification in Couples™ Therapy. , 0, , .		5
86	Perception Optimized Deep Denoising AutoEncoders for Speech Enhancement. , 0, , .		35
87	Multimodal Fusion of Multirate Acoustic, Prosodic, and Lexical Speaker Characteristics for Native Language Identification. , 0, , .		8
88	Behavioral Coding of Therapist Language in Addiction Counseling Using Recurrent Neural Networks. , 0, , .		24
89	Robust Multichannel Gender Classification from Speech in Movie Audio. , 0, , .		6
90	A Deep Learning Approach to Modeling Empathy in Addiction Counseling. , 0, , .		24

#	ARTICLE	IF	CITATIONS
91	Approaching Human Performance in Behavior Estimation in Couples Therapy Using Deep Sentence Embeddings. , 0, , .		8
92	Complexity in Speech and its Relation to Emotional Bond in Therapist-Patient Interactions During Suicide Risk Assessment Interviews. , 0, , .		9
93	Speaker2Vec: Unsupervised Learning and Adaptation of a Speaker Manifold Using Deep Neural Networks with an Evaluation on Speaker Segmentation. , 0, , .		13
94	Attention Networks for Modeling Behaviors in Addiction Counseling. , 0, , .		11
95	An Unsupervised Neural Prediction Framework for Learning Speaker Embeddings Using Recurrent Neural Networks. , 0, , .		5
96	Multimodal Speaker Segmentation and Diarization Using Lexical and Acoustic Cues via Sequence to Sequence Neural Networks. , 0, , .		16
97	A Socratic epistemology for verbal emotional intelligence. PeerJ Computer Science, 0, 2, e40.	2.7	3
98	Complexity in Prosody: A Nonlinear Dynamical Systems Approach for Dyadic Conversations; Behavior and Outcomes in Couples Therapy. , 0, , .		6
99	Laughter Valence Prediction in Motivational Interviewing Based on Lexical and Acoustic Cues. , 0, , .		2
100	Exploiting Intra-Annotator Rating Consistency Through Copeland's Method for Estimation of Ground Truth Labels in Couples' Therapy. , 0, , .		0
101	Modeling Interpersonal Influence of Verbal Behavior in Couples Therapy Dyadic Interactions. , 0, , .		2
102	Towards an Unsupervised Entrainment Distance in Conversational Speech Using Deep Neural Networks. , 0, , .		5