

Bjoern Schuller

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5496352/bjoern-schuller-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70 papers	849 citations	14 h-index	26 g-index
91 ext. papers	1,413 ext. citations	4.8 avg, IF	4.99 L-index

#	Paper	IF	Citations
70	Paralinguistics in speech and languageState-of-the-art and the challenge. <i>Computer Speech and Language</i> , 2013 , 27, 4-39	2.8	131
69	Personalized machine learning for robot perception of affect and engagement in autism therapy. <i>Science Robotics</i> , 2018 , 3,	18.6	89
68	Speech Emotion Classification Using Attention-Based LSTM. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2019 , 27, 1675-1685	3.6	71
67	Sentiment Analysis and Topic Recognition in Video Transcriptions. <i>IEEE Intelligent Systems</i> , 2021 , 36, 88-95	4.2	40
66	. <i>IEEE Signal Processing Magazine</i> , 2017 , 34, 107-129	9.4	33
65	SEWA DB: A Rich Database for Audio-Visual Emotion and Sentiment Research in the Wild. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 1022-1040	13.3	33
64	A Survey on perceived speaker traits: Personality, likability, pathology, and the first challenge. <i>Computer Speech and Language</i> , 2015 , 29, 100-131	2.8	32
63	Validity of machine learning in biology and medicine increased through collaborations across fields of expertise. <i>Nature Machine Intelligence</i> , 2020 , 2, 18-24	22.5	23
62	Augment to Prevent 2019 ,		22
61	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 423-434	7.5	19
60	Snore-GANs: Improving Automatic Snore Sound Classification With Synthesized Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 300-310	7.2	19
59	The INTERSPEECH 2019 Computational Paralinguistics Challenge: Styrian Dialects, Continuous Sleepiness, Baby Sounds & Orca Activity		17
58	Attention-Enhanced Connectionist Temporal Classification for Discrete Speech Emotion Recognition		16
57	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 1289-1301	6.6	15
56	Multi-Task Semi-Supervised Adversarial Autoencoding for Speech Emotion Recognition. <i>IEEE Transactions on Affective Computing</i> , 2020 , 1-1	5.7	13
55	A Review on Five Recent and Near-Future Developments in Computational Processing of Emotion in the Human Voice. <i>Emotion Review</i> , 2021 , 13, 44-50	4.6	13
54	Classification of Lung Nodules Based on Deep Residual Networks and Migration Learning. <i>Computational Intelligence and Neuroscience</i> , 2020 , 2020, 8975078	3	12

53	Multi-modal Active Learning From Human Data: A Deep Reinforcement Learning Approach 2019 ,		11
52	Exploiting time-frequency patterns with LSTM-RNNs for low-bitrate audio restoration. <i>Neural Computing and Applications</i> , 2020 , 32, 1095-1107	4.8	11
51	EmoBed: Strengthening Monomodal Emotion Recognition via Training with Crossmodal Emotion Embeddings. <i>IEEE Transactions on Affective Computing</i> , 2019 , 1-1	5.7	10
50	Towards Robust Speech Emotion Recognition Using Deep Residual Networks for Speech Enhancement		10
49	Machine Listening for Heart Status Monitoring: Introducing and Benchmarking HSS - the Heart Sounds Shenzhen Corpus. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 ,	7.2	10
48	An Online Robot Collision Detection and Identification Scheme by Supervised Learning and Bayesian Decision Theory. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1144-1156	4.9	10
47	Artificial Intelligence Internet of Things for the Elderly: From Assisted Living to Health-Care Monitoring. <i>IEEE Signal Processing Magazine</i> , 2021 , 38, 78-88	9.4	9
46	A Generic Human-Machine Annotation Framework Based on Dynamic Cooperative Learning. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1230-1239	10.2	9
45	AVECM19 2019 ,		8
44	Context Modelling Using Hierarchical Attention Networks for Sentiment and Self-assessed Emotion Detection in Spoken Narratives 2019 ,		8
43	. <i>IEEE Transactions on Games</i> , 2020 , 12, 145-154	1.2	8
42	The Detection of Parkinson's Disease From Speech Using Voice Source Information. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021 , 29, 1925-1936	3.6	8
41	The ASC-Inclusion Perceptual Serious Gaming Platform for Autistic Children. <i>IEEE Transactions on Games</i> , 2019 , 11, 328-339	1.2	7
40	Personalized Estimation of Engagement From Videos Using Active Learning With Deep Reinforcement Learning 2019 ,		7
39	Can Machine Learning Assist Locating the Excitation of Snore Sound? A Review. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 1233-1246	7.2	7
38	Asynchronous and Event-Based Fusion Systems for Affect Recognition on Naturalistic Data in Comparison to Conventional Approaches. <i>IEEE Transactions on Affective Computing</i> , 2018 , 9, 410-423	5.7	6
37	A Hierarchical Attention Network-Based Approach for Depression Detection from Transcribed Clinical Interviews		5
36	Continuous Emotion Recognition in Speech Do We Need Recurrence?		5

35	Deep Wavelets for Heart Sound Classification 2019 ,		5
34	Can Deep Generative Audio be Emotional? Towards an Approach for Personalised Emotional Audio Generation 2019 ,		5
33	Audiovisual Analysis for Recognising Frustration during Game-Play: Introducing the Multimodal Game Frustration Database 2019 ,		5
32	Automated Classification of Airborne Pollen using Neural Networks. <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, 4474-4478	0.9	5
31	Teaching Machines to Know Your Depressive State: On Physical Activity in Health and Major Depressive Disorder. <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, 3592-3595	0.9	5
30	Audio-based Recognition of Bipolar Disorder Utilising Capsule Networks 2019 ,		5
29	Customized ViNeRS Method for Video Neuro-Advertising of Green Housing. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
28	Autonomous Emotion Learning in Speech: A View of Zero-Shot Speech Emotion Recognition		4
27	Sound and the City: Current Perspectives on Acoustic Geo-Sensing in Urban Environment. <i>Acta Acustica United With Acustica</i> , 2019 , 105, 766-778	1.5	4
26	Average Jane, Where Art Thou? Recent Avenues in Efficient Machine Learning Under Subjectivity Uncertainty. <i>Communications in Computer and Information Science</i> , 2020 , 42-55	0.3	4
25	End-to-end Audio Classification with Small Datasets Making It Work 2019 ,		4
24	2019 ,		3
23	Learning Multimodal Representations for Drowsiness Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-10	6.1	3
22	End-to-End Video-to-Speech Synthesis Using Generative Adversarial Networks.. <i>IEEE Transactions on Cybernetics</i> , 2022 , PP,	10.2	3
21	A Comparison of AI-Based Throughput Prediction for Cellular Vehicle-To-Server Communication 2019 ,		2
20	Efficient Collection and Representation of Preverbal Data in Typical and Atypical Development. <i>Journal of Nonverbal Behavior</i> , 2020 , 44, 419-436	3.4	2
19	Using Speech to Predict Sequentially Measured Cortisol Levels During a Trier Social Stress Test		2
18	VCMNet: Weakly Supervised Learning for Automatic Infant Vocalisation Maturity Analysis 2019 ,		2

17	The perception of emotional cues by children in artificial background noise. <i>International Journal of Speech Technology</i> , 2020 , 23, 169-182	1.3	2
16	Introduction to the Special Issue on MMAC: Multimodal Affective Computing of Large-Scale Multimedia Data. <i>IEEE MultiMedia</i> , 2021 , 28, 8-10	2.1	2
15	Can Appliances Understand the Behavior of Elderly Via Machine Learning? A Feasibility Study. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 8343-8355	10.7	2
14	A Deep Learning Approach for Location Independent Throughput Prediction 2019 ,		2
13	Analysis of loss functions for fast single-class classification. <i>Knowledge and Information Systems</i> , 2020 , 62, 337-358	2.4	2
12	Accelerating Biomedical Signal Processing Using GPU: A Case Study of Snore Sound Feature Extraction. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2017 , 9, 550-555	3.5	1
11	Large-scale Data Collection and Analysis via a Gamified Intelligent Crowdsourcing Platform. <i>International Journal of Automation and Computing</i> , 2019 , 16, 427-436	3.5	1
10	High-Fidelity Audio Generation and Representation Learning With Guided Adversarial Autoencoder. <i>IEEE Access</i> , 2020 , 8, 223509-223528	3.5	1
9	Responding to uncertainty in emotion recognition. <i>Journal of Information Communication and Ethics in Society</i> , 2019 , 17, 299-303	1.2	1
8	Guided Generative Adversarial Neural Network for Representation Learning and Audio Generation Using Fewer Labelled Audio Data. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021 , 29, 2575-2590	3.6	1
7	A Deep Adaptation Network for Speech Enhancement: Combining a Relativistic Discriminator With Multi-Kernel Maximum Mean Discrepancy. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021 , 29, 41-53	3.6	1
6	Rethinking Auditory Affective Descriptors Through Zero-Shot Emotion Recognition in Speech. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-12	4.5	0
5	Holistic Affect Recognition Using PaNDA: Paralinguistic Non-metric Dimensional Analysis. <i>IEEE Transactions on Affective Computing</i> , 2020 , 1-1	5.7	0
4	Snoring - An Acoustic Definition. <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, 3653-3657	0.9	0
3	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	0
2	Vocalisation Repertoire at the End of the First Year of Life: An Exploratory Comparison of Rett Syndrome and Typical Development. <i>Journal of Developmental and Physical Disabilities</i> , 1	1.5	0
1	Microexpressions: A Chance for Computers to Beat Humans at Detecting Hidden Emotions?. <i>Computer</i> , 2019 , 52, 4-5	1.6	