

Dan Stowell

List of Publications by Citations

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

1,031
citations

13
h-index

32
g-index

44
ext. papers

1,438
ext. citations

3.4
avg, IF

4.95
L-index

#	Paper	IF	Citations
36	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 1733-1746	6.6	245
35	Acoustic Scene Classification: Classifying environments from the sounds they produce. <i>IEEE Signal Processing Magazine</i> , 2015 , 32, 16-34	9.4	169
34	Automatic large-scale classification of bird sounds is strongly improved by unsupervised feature learning. <i>PeerJ</i> , 2014 , 2, e488	3.1	143
33	Detection and classification of acoustic scenes and events: An IEEE AASP challenge 2013 ,		92
32	Automatic acoustic detection of birds through deep learning: The first Bird Audio Detection challenge. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 368-380	7.7	83
31	Bird detection in audio: A survey and a challenge 2016 ,		48
30	Fast Multidimensional Entropy Estimation by β -d Partitioning. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 537-540	3.2	39
29	. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2017 , 25, 1193-1206	3.6	31
28	Automatic acoustic identification of individuals in multiple species: improving identification across recording conditions. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20180940	4.1	24
27	Computational Bioacoustic Scene Analysis 2018 , 303-333		17
26	Deep Learning for Audio Event Detection and Tagging on Low-Resource Datasets. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1397	2.6	17
25	Acoustic event detection for multiple overlapping similar sources 2015 ,		15
24	Detailed temporal structure of communication networks in groups of songbirds. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	15
23	Large-scale analysis of frequency modulation in birdsong data bases. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 901-912	7.7	12
22	Integration of informal music technologies in secondary school music lessons. <i>British Journal of Music Education</i> , 2014 , 31, 19-39	0.6	11
21	Delayed Decision-making in Real-time Beatbox Percussion Classification. <i>Journal of New Music Research</i> , 2010 , 39, 203-213	1.1	11
20	A harmonised, high-coverage, open dataset of solar photovoltaic installations in the UK. <i>Scientific Data</i> , 2020 , 7, 394	8.2	7

19	Computational bioacoustics with deep learning: a review and roadmap.. <i>PeerJ</i> , 2022 , 10, e13152	3.1	7
18	NIPS4Bplus: a richly annotated birdsong audio dataset. <i>PeerJ Computer Science</i> , 2019 , 5, e223	2.7	6
17	Low-Cost Distributed Acoustic Sensor Network for Real-Time Urban Sound Monitoring. <i>Electronics (Switzerland)</i> , 2020 , 9, 2119	2.6	5
16	Deep perceptual embeddings for unlabelled animal sound events. <i>Journal of the Acoustical Society of America</i> , 2021 , 150, 2	2.2	3
15	Acoustic traits of bat-pollinated flowers compared to flowers of other pollination syndromes and their echo-based classification using convolutional neural networks.. <i>PLoS Computational Biology</i> , 2021 , 17, e1009706	5	3
14	Approaches to Complex Sound Scene Analysis 2018 , 215-242		2
13	Improved multiple birdsong tracking with distribution derivative method and Markov renewal process clustering 2013 ,		2
12	Individual Identity in Songbirds: Signal Representations and Metric Learning for Locating the Information in Complex Corvid Calls		2
11	Maximum a Posteriori Estimation of Piecewise Arcs in Tempo Time-Series. <i>Lecture Notes in Computer Science</i> , 2013 , 387-399	0.9	2
10	Unifying Probabilistic Models for Time-frequency Analysis 2019 ,		1
9	Deductive refinement of species labelling in weakly labelled birdsong recordings 2017 ,		1
8	Learning Timbre Analogies from Unlabelled Data by Multivariate Tree Regression. <i>Journal of New Music Research</i> , 2011 , 40, 325-336	1.1	1
7	Online visibility graphs: Encoding visibility in a binary search tree. <i>Physical Review Research</i> , 2020 , 2,	3.9	1
6	Efficient Bird Sound Detection on the Bela Embedded System 2020 ,		1
5	Live Music-Making: A Rich Open Task Requires a Rich Open Interface. <i>Springer Series on Cultural Computing</i> , 2013 , 139-152	0.4	1
4	Gaussian processes for music audio modelling and content analysis 2016 ,		1
3	Does k Matter? k-NN Hubness Analysis for Kernel Additive Modelling Vocal Separation. <i>Lecture Notes in Computer Science</i> , 2018 , 280-289	0.9	0
2	The potential for acoustic individual identification in mammals. <i>Mammalian Biology</i> ,1	1.6	0

- 1 A Generative Model for Natural Sounds Based on Latent Force Modelling. *Lecture Notes in Computer Science*, **2018**, 259-269

0.9