Justin Salamon

List of Publications by Year
in descending order

33 papers	3,520 citations	686830 13 h-index	1125271 13 g-index
34 all docs	34 docs citations	34 times ranked	2314 citing authors

#	Article	IF	Citations
1	Whatâ€™s all the Fuss about Free Universal Sound Separation Data?. , 2021, , .		17
2	Sound Event Detection and Separation: A Benchmark on Desed Synthetic Soundscapes. , 2021, , .		8
3	Who Calls The Shots? Rethinking Few-Shot Learning for Audio. , 2021, , .		4
4	Chirping up the Right Tree: Incorporating Biological Taxonomies into Deep Bioacoustic Classifiers. , 2020, , .		18
5	Disentangled Multidimensional Metric Learning for Music Similarity. , 2020, , .		10
6	Sound Event Detection in Synthetic Domestic Environments. , 2020, , .		40
7	Few-Shot Sound Event Detection. , 2020, , .		30
8	Robust sound event detection in bioacoustic sensor networks. PLoS ONE, 2019, 14, e0214168.	1.1	56
9	Look, Listen, and Learn More: Design Choices for Deep Audio Embeddings. , 2019, , .		133
10	Tricycle: Audio Representation Learning from Sensor Network Data Using Self-Supervision. , 2019, , .		10
11	Open-Source Practices for Music Signal Processing Research: Recommendations for Transparent, Sustainable, and Reproducible Audio Research. IEEE Signal Processing Magazine, 2019, 36, 128-137.	4.6	23
12	Per-Channel Energy Normalization: Why and How. IEEE Signal Processing Letters, 2019, 26, 39-43.	2.1	46
13	SONYC. Communications of the ACM, 2019, 62, 68-77.	3.3	137
14	Birdvox-Full-Night: A Dataset and Benchmark for Avian Flight Call Detection. , 2018, , .		21
15	Crepe: A Convolutional Representation for Pitch Estimation. , 2018, , .		119
16	Time Lattice: A Data Structure for the Interactive Visual Analysis of Large Time Series. Computer Graphics Forum, 2018, 37, 23-35.	1.8	13
17	Adaptive Pooling Operators for Weakly Labeled Sound Event Detection. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 2180-2193.	4.0	95
18	Sound Analysis in Smart Cities. , 2018, , 373-397.		32

#	Article	IF	Citations
19	Deep Convolutional Neural Networks and Data Augmentation for Environmental Sound Classification. IEEE Signal Processing Letters, 2017, 24, 279-283.	2.1	1,014
20	Fusing shallow and deep learning for bioacoustic bird species classification. , 2017, , .		42
21	The implementation of low-cost urban acoustic monitoring devices. Applied Acoustics, 2017, 117, 207-218.	1.7	93
22	Scaper: A library for soundscape synthesis and augmentation. , 2017, , .		89
23	Towards the Automatic Classification of Avian Flight Calls for Bioacoustic Monitoring. PLoS ONE, 2016, 11, e0166866.	1.1	71
24	Unsupervised feature learning for urban sound classification. , 2015, , .		116
25	Feature learning with deep scattering for urban sound analysis. , 2015, , .		52
26	A Dataset and Taxonomy for Urban Sound Research. , 2014, , .		620
27	Automatic Tonic Identification in Indian Art Music: Approaches and Evaluation. Journal of New Music Research, 2014, 43, 53-71.	0.6	32
28	Melody Extraction from Polyphonic Music Signals: Approaches, applications, and challenges. IEEE Signal Processing Magazine, 2014, 31, 118-134.	4.6	132
29	Tonal representations for music retrieval: from version identification to query-by-humming. International Journal of Multimedia Information Retrieval, 2013, 2, 45-58.	3.6	53
30	ESSENTIA. , 2013, , .		108
31	Melody, bass line, and harmony representations for music version identification. , 2012, , .		11
32	Musical genre classification using melody features extracted from polyphonic music signals. , 2012, , .		41
33	Melody Extraction From Polyphonic Music Signals Using Pitch Contour Characteristics. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1759-1770.	3.8	233