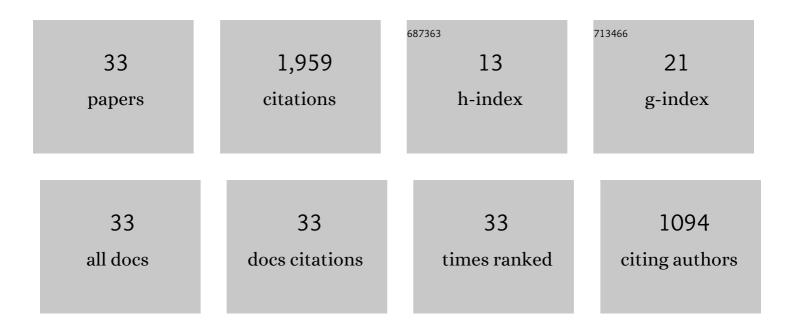
Richard Heusdens

List of Publications by Year in descending order

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RICHARD HEUSDENS

#	Article	IF	CITATIONS
1	An Algorithm for Intelligibility Prediction of Time–Frequency Weighted Noisy Speech. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2125-2136.	3.2	1,451
2	Distributed Optimization Using the Primal-Dual Method of Multipliers. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 173-187.	2.8	58
3	Auto-localization in ad-hoc microphone arrays. , 2013, , .		49
4	Microphone Subset Selection for MVDR Beamformer Based Noise Reduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 550-563.	5.8	43
5	Relaxed Binaural LCMV Beamforming. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 137-152.	5.8	40
6	A Fast Method for High-Resolution Voiced/Unvoiced Detection and Glottal Closure/Opening Instant Estimation of Speech. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 316-328.	5.8	30
7	A Low-Cost Robust Distributed Linearly Constrained Beamformer for Wireless Acoustic Sensor Networks With Arbitrary Topology. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1434-1448.	5.8	26
8	Calculation of the Mean Strain of Smooth Non-Uniform Strain Fields Using Conventional FBG Sensors. Journal of Lightwave Technology, 2018, 36, 3716-3725.	4.6	25
9	Privacy-Preserving Distributed Optimization via Subspace Perturbation: A General Framework. IEEE Transactions on Signal Processing, 2020, 68, 5983-5996.	5.3	22
10	Rate-Distributed Spatial Filtering Based Noise Reduction in Wireless Acoustic Sensor Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 2015-2026.	5.8	20
11	Derivation and Analysis of the Primal-Dual Method of Multipliers Based on Monotone Operator Theory. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 334-347.	2.8	19
12	Improved multi-microphone noise reduction preserving binaural cues. , 2016, , .		17
13	Privacy-Preserving Distributed Processing: Metrics, Bounds and Algorithms. IEEE Transactions on Information Forensics and Security, 2021, 16, 2090-2103.	6.9	16
14	Characterisation of Transverse Matrix Cracks in Composite Materials Using Fibre Bragg Grating Sensors. Journal of Lightwave Technology, 2019, 37, 4720-4727.	4.6	15
15	Relative Acoustic Transfer Function Estimation in Wireless Acoustic Sensor Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1507-1519.	5.8	15
16	Robust Joint Estimation of Multimicrophone Signal Model Parameters. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1136-1150.	5.8	15
17	A distributed algorithm for robust LCMV beamforming. , 2016, , .		14
18	Distributed Rate-Constrained LCMV Beamforming. IEEE Signal Processing Letters, 2019, 26, 675-679.	3.6	11

RICHARD HEUSDENS

#	Article	IF	CITATIONS
19	On the Distributed Method of Multipliers for Separable Convex Optimization Problems. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 495-510.	2.8	10
20	A Convex Approximation of the Relaxed Binaural Beamforming Optimization Problem. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 321-331.	5.8	10
21	Rate-Distributed Binaural LCMV Beamforming for Assistive Hearing in Wireless Acoustic Sensor Networks. , 2018, , .		9
22	Asymmetric Coding for Rate-Constrained Noise Reduction in Binaural Hearing Aids. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 154-167.	5.8	9
23	Spatially Correct Rate-Constrained Noise Reduction for Binaural Hearing Aids in Wireless Acoustic Sensor Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2731-2742.	5.8	8
24	Ad hoc microphone array beamforming using the primal-dual method of multipliers. , 2016, , .		7
25	Binaural beamforming using pre-determined relative acoustic transfer functions. , 2017, , .		7
26	Rate-Constrained Noise Reduction in Wireless Acoustic Sensor Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1-12.	5.8	6
27	A Method for Determining the Length of FBG Sensors Accurately. IEEE Photonics Technology Letters, 2019, 31, 197-200.	2.5	2
28	Clock-Offset and Microphone Gain Mismatch Invariant Beamforming. , 2021, , .		2
29	Analysis of FBC reflection spectra under anti-symmetrical strain distributions using the approximated transfer matrix model. , 2018, , .		1
30	Analysis of the Side-lobes of FBG Reflection Spectra From Matrix Cracks in Composites. , 2018, , .		1
31	Estimation of Sensor Array Signal Model Parameters Using Factor Analysis. , 2019, , .		1
32	Localization Based on Enhanced Low Frequency Interaural Level Difference. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3025-3039.	5.8	0
33	A method for determining the position of FBG sensors accurately. , 2019, , .		ο