Jerry D Gibson

List of Publications by Year in Descending Order

34 papers	203 citations	7 h-index	12 g-index
61 ext. papers	276 ext. citations	3.3 avg, IF	3.74 L-index

#	Paper	IF	Citations
34	Multimode Tree-Coding of Speech with Pre-/Post-Weighting. *Applied Sciences (Switzerland)*, **2022**, 12, 2026	2.6	0
33	Mutual Information Gain and Linear/Nonlinear Redundancy for Agent Learning, Sequence Analysis, and Modeling. *Entropy*, **2020**, 22,	2.8	1
32	Mutual Information Loss in Pyramidal Image Processing. *Information (Switzerland)*, **2020**, 11, 322	2.6	2
31	Mutual Information, the Linear Prediction Model, and CELP Voice Codecs. *Information (Switzerland)*, **2019**, 10, 179	2.6	2
30	Entropy Power, Autoregressive Models, and Mutual Information. *Entropy*, **2018**, 20,	2.8	9
29	Rate Distortion Functions and Rate Distortion Function Lower Bounds for Real-World Sources. *Entropy*, **2017**, 19, 604	2.8	7
28	Speech Compression. *Information (Switzerland)*, **2016**, 7, 32	2.6	17
27	Global Motion Assisted Low Complexity Video Encoding for UAV Applications. *IEEE Journal on Selected Topics in Signal Processing*, **2015**, 9, 139-150	7.5	7
26	Rate Distortion Bounds for Voice and Video. *Foundations and Trends in Communications and Information Theory*, **2014**, 10, 379-514	6.1	5
25	Low Complexity Video Encoding and High Complexity Decoding for UAV Reconnaissance and Surveillance **2013**,		5
24	Disparity remapping for handheld 3D video communications **2012**,		7
23	Spatially adaptive filtering for registration artifact removal in HDR video **2011**,		11
22	Low-complexity video encoding for UAV reconnaissance and surveillance **2011**,		25
21	Inexpensive High Dynamic Range Video for large scale security and surveillance **2011**,		2
20	Rate distortion bounds for speech coding based on a perceptual distortion measure (PESQ-MOS) **2011**,		2
19	Spectral entropy-based quantization matrices for H.264/AVC video coding **2010**,		2
18	Spectral entropy-based bit allocation **2010**,		4

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17	Routing-aware multiple description coding with multipath transport for video delivered over mobile ad-hoc networks **2010**,		1
16	Routing-aware multiple description video coding over wireless ad-hoc networks using multiple paths **2010**,		3
15	New rate distortion bounds for speech coding based on composite source models **2010**,		1
14	Automatic scene relighting for video conferencing **2009**,		3
13	Rate-distortion based mode selection for video coding over wireless networks with burst losses **2009**,		4
12	New Rate Distortion Bounds for Natural Videos Based on a Texture-Dependent Correlation Model. *IEEE Transactions on Circuits and Systems for Video Technology*, **2009**, 19, 1081-1094	6.4	6
11	Distributions of 3D DCT coefficients for video **2009**,		8
10	New rate distortion bounds for natural videos based on a texture dependent correlation model in the spatial-temporal domain **2008**,		4
9	Perceptually weighted distortion measures and the tandem connection of speech codecs. *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, **2008**,	1.6	1
8	Refined error concealment for multiple state video coding over ad hoc networks **2008**,		2
7	Perceptual Pre-weighting and Post-inverse weighting for Speech Coding. *Conference Record of the Asilomar Conference on Signals, Systems and Computers*, **2007**,	0.3	2
6	Payload length and rate adaptation for multimedia communications in wireless LANs. *IEEE Journal on Selected Areas in Communications*, **2007**, 25, 796-807	14.2	32
5	Information Transmission Over Fading Channels **2007**,		15
4	New Rate Distortion Bounds for Natural Videos Based on a Texture Dependent Correlation Model **2007**,		3
3	MOSx and Voice Outage Rate in Wireless Communications **2006**,		3
2	Voice Communications over Tandem Wireline IP and WLAN Connections **2006**,		1
1	New Block-Based Local-Texture-Dependent Correlation Model of Digitized Natural Video **2006**,		3