

# Wen-Hsiao Peng

## List of Publications by Year in descending order

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39  
papers

292  
citations

1307594

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h-index

1588992

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39  
docs citations

39  
times ranked

239  
citing authors

#	ARTICLE	IF	CITATIONS
1	End-to-End Learned Image Compression with Augmented Normalizing Flows. , 2021, , .		1
2	Fast Selection of INTRA CTU Partitioning in HEVC Encoders using Artificial Neural Networks. , 2021, , .		1
3	ANFIC: Image Compression Using Augmented Normalizing Flows. IEEE Open Journal of Circuits and Systems, 2021, 2, 613-626.	1.9	21
4	Deep Video Prediction Through Sparse Motion Regularization. , 2020, , .		0
5	Adaptive Unknown Object Rearrangement Using Low-Cost Tabletop Robot. , 2020, , .		4
6	Guest Editorial Immersive Video Coding and Transmission. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2019, 9, 1-4.	3.6	7
7	Standardization Status of Immersive Video Coding. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2019, 9, 5-17.	3.6	63
8	SME-Net: Sparse Motion Estimation for Parametric Video Prediction Through Reinforcement Learning. , 2019, , .		7
9	Learning Priors for Adversarial Autoencoders. , 2018, , .		2
10	Reinforcement Learning for HEVC/H.265 Frame-level Bit Allocation. , 2018, , .		11
11	Reinforcement Learning for HEVC/H.265 Intra-Frame Rate Control. , 2018, , .		26
12	Intra Line Copy for HEVC Screen Content Intra-Picture Prediction. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1568-1579.	8.3	13
13	HEVC/H.265 coding unit split decision using deep reinforcement learning. , 2017, , .		14
14	Guest Editorial Screen Content Video Coding and Applications. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2016, 6, 389-392.	3.6	0
15	Discriminatively-learned global image representation using CNN as a local feature extractor for image retrieval. , 2015, , .		10
16	On comparison of intra line copy and intra string copy for HEVC screen content coding. , 2015, , .		1
17	Mode-dependent distortion modeling for H.264/SVC coarse grain SNR scalability. , 2014, , .		0
18	Intra line copy for HEVC screen content coding. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
19	Global image representation using Locality-constrained Linear Coding for large-scale image retrieval. , 2014, , .		3
20	Screen content coding using non-square intra block copy for HEVC. , 2014, , .		14
21	An Interframe Prediction Technique Combining Template Matching Prediction and Block-Motion Compensation for High-Efficiency Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1432-1446.	8.3	10
22	Analytical mode-dependent rate and distortion models for H.264/SVC coarse grain scalability. , 2012, , .		1
23	Parametric OBMC for Pixel-Adaptive Temporal Prediction on Irregular Motion Sampling Grids. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 113-127.	8.3	9
24	Bi-prediction combining template and block motion compensations. , 2011, , .		6
25	Analysis of template matching prediction and its application to parametric overlapped block motion compensation. , 2010, , .		3
26	On the analysis and design of motion sampling structure for advanced motion-compensated prediction. , 2010, , .		4
27	Bit-plane compressive sensing with Bayesian decoding for lossy compression. , 2010, , .		4
28	Fast Context-Adaptive Mode Decision Algorithm for Scalable Video Coding With Combined Coarse-Grain Quality Scalability (CGS) and Temporal Scalability. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 732-748.	8.3	18
29	A Synthesis-Quality-Oriented Depth Refinement Scheme for MPEG Free Viewpoint Television (FTV). , 2009, , .		3
30	Fast temporal prediction selection for H.264/AVC scalable video coding. , 2009, , .		2
31	A comparative study on attention-based rate adaptation for scalable video coding. , 2009, , .		3
32	Multidimensional SVC bitstream adaptation and extraction for rate-distortion optimized heterogeneous multicasting and playback. , 2008, , .		1
33	Bandwidth Efficient Video Streaming Based Upon Multipath SVC Multicasting. , 2008, , .		1
34	A fast mode decision algorithm with macroblock-adaptive rate-distortion estimation for intra-only scalable video coding. , 2008, , .		7
35	A reconfigurable video embedding transcoder based on H.264/AVC: Design tradeoffs and analysis. , 2008, , .		2
36	Design space exploration of an H.264/AVC-based video embedding transcoder using transaction level modeling. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	Rate-Distortion Optimized SVC Bitstream Extraction for Heterogeneous Devices: A Preliminary Investigation. , 2007, , .		5
38	Design of Memory Sub-System with Constant-Rate Bumping Process for H.264/AVC Decoder. IEEE Transactions on Consumer Electronics, 2007, 53, 209-217.	3.6	9
39	Rate-Distortion Optimized SVC Bitstream Extraction for Heterogeneous Devices: A Preliminary Investigation. , 2007, , .		0