

# Hsueh-Ming Hang

## List of Publications by Year in descending order

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57  
papers

459  
citations

1307594

7  
h-index

1281871

11  
g-index

57  
all docs

57  
docs citations

57  
times ranked

344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Layered Access Control Schemes on Watermarked Scalable Media. Journal of Signal Processing Systems, 2007, 49, 443-455.	1.0	50
2	Efficient Road Lane Marking Detection with Deep Learning. , 2018, , .		46
3	H.264/AVC motion estimation implementation on Compute Unified Device Architecture (CUDA). , 2008, , .		43
4	Fast mode decision algorithm for Residual Quadtree coding in HEVC. , 2011, , .		38
5	An adaptive inverse halftoning algorithm. IEEE Transactions on Image Processing, 1997, 6, 1202-1209.	9.8	26
6	Layer-Adaptive Mode Decision and Motion Search for Scalable Video Coding with Combined Coarse Granular Scalability (CGS) and Temporal Scalability. , 2007, , .		25
7	Traditional Method Inspired Deep Neural Network For Edge Detection. , 2020, , .		25
8	ANFIC: Image Compression Using Augmented Normalizing Flows. IEEE Open Journal of Circuits and Systems, 2021, 2, 613-626.	1.9	21
9	Modeling of Pattern-Based Block Motion Estimation and Its Application. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 108-113.	8.3	18
10	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
11	Quality assessment of 3D synthesized views with depth map distortion. , 2013, , .		15
12	Fast coding unit decision algorithm for HEVC. , 2013, , .		14
13	A Hybrid Layered Image Compressor with Deep-Learning Technique. , 2020, , .		10
14	Virtual view synthesis using backward depth warping algorithm. , 2013, , .		8
15	A fast mode decision algorithm with macroblock-adaptive rate-distortion estimation for intra-only scalable video coding. , 2008, , .		7
16	On the Design of Pattern-Based Block Motion Estimation Algorithms. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 136-143.	8.3	7
17	DSNet: An Efficient CNN for Road Scene Segmentation. , 2019, , .		7
18	DSNet: an efficient CNN for road scene segmentation. APSIPA Transactions on Signal and Information Processing, 2020, 9, .	3.3	7

#	ARTICLE	IF	CITATIONS
19	Analysis of ATSC field test results in Taiwan. IEEE Transactions on Broadcasting, 2002, 48, 38-43.	3.2	6
20	Cascaded trellis-based rate-distortion control algorithm for MPEG-4 advanced audio coding. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 998-1007.	3.2	5
21	A Genetic Rhombus Pattern Search for Block Motion Estimation. , 2007, , .		5
22	Acceleration and Implementation of JPEG2000 Encoder on TI DSP Platform. , 2007, , .		5
23	Budgeted Passive-Aggressive Learning for Online Multiclass Classification. IEEE Access, 2020, 8, 227420-227437.	4.2	5
24	The impact of rate control algorithms on video codec hardware design. , 0, , .		4
25	Efficient Bit Allocation Algorithm For MPEG-4 Advanced Audio Coding. , 2006, , .		4
26	Learning-based human detection applied to RGB-D images. , 2017, , .		4
27	Adaptive piecewise linear bits estimation model for MPEG based video coding. , 0, , .		3
28	Efficient bit assignment strategy for perceptual audio coding. , 0, , .		3
29	Layered Access Control Schemes on Watermarked Scalable Media. , 0, , .		3
30	A Switchable DRM Structure for Embedded Device. , 2007, , .		3
31	Fast algorithm on selecting bi-directional prediction type in H.264/AVC scalable video coding. , 2010, , .		3
32	Online multiclass passive-aggressive learning on a fixed budget. , 2017, , .		3
33	A Digital Content Protection Scheme Using MPEG-21 REL with Applications to DVB Systems. , 2006, , .		2
34	Image coding using short wavelet-based contourlet transform. , 2008, , .		2
35	Background modeling using depth information. , 2014, , .		2
36	Wide angle virtual view synthesis using two-by-two Kinect V2. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
37	A Hybrid Image Codec with Learned Residual Coding. , 2020, , .		2
38	The impact of encoding algorithms on MPEG VLSI implementation. , 0, , .		1
39	Design and Implementation of an MHP Video and Graphics Subsystem on Xilinx ML310 Platform. , 2006, , .		1
40	An Improved Presentation Method for Relevance Feedback in a Content-Based Image Retrieval System. , 2008, , .		1
41	A fast graph cut algorithm for disparity estimation. , 2010, , .		1
42	One-Sided $\sigma$ -GGD Source Modeling and Rate-Distortion Optimization in Scalable Wavelet Video Coder. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1557-1570.	8.3	1
43	A triangular-warping based view synthesis scheme with enhanced artifact reduction for FTV. , 2011, , .		1
44	End-to-End Learned Image Compression with Augmented Normalizing Flows. , 2021, , .		1
45	Fast Selection of INTRA CTU Partitioning in HEVC Encoders using Artificial Neural Networks. , 2021, , .		1
46	Inverse halftoning of scanned images. , 0, , .		0
47	Error control for low bit rate coding transmission. , 0, , .		0
48	The Impact of Rate Control Algorithms on System-Level VLSI Design. Journal of Signal Processing Systems, 1998, 20, 233-250.	1.0	0
49	A novel approach for edge orientation determination based on pixel pair matching. , 0, , .		0
50	New view generation from a video sequence. , 0, , .		0
51	Content-based image retrieval using both positive and negative feedback. , 0, , .		0
52	A Study on the Meta-data Design for Long-Term Digital Multimedia Preservation. , 2008, , .		0
53	On modeling genetic pattern search for block motion estimation. , 2008, , .		0
54	Direction of arrival estimation of speech signals using ICA and MUSIC methods. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
55	Direction alignment algorithm for direction-adaptive discrete wavelet transform. , 2012, , .		0
56	Virtual-view-based stereo video composition. , 2013, , .		0
57	View synthesis for 3D video scene composition. , 2015, , .		0