

Yu-Cheng Fan

List of Publications by Year in descending order

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papers

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docs citations

63
times ranked

159
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing-Based Watermarking Techniques for Intellectual-Property Identification in SOC Design. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 467-479.	4.7	32
2	The Novel Non-Hole-Filling Approach of Depth Image Based Rendering. , 2008, , .		29
3	Real-Time Object Detection for LiDAR Based on LS-R-YOLOv4 Neural Network. Journal of Sensors, 2021, 2021, 1-11.	1.1	21
4	Hole-Filling Based Memory Controller of Disparity Modification System for Multiview Three-Dimensional Video. IEEE Transactions on Magnetics, 2011, 47, 679-682.	2.1	17
5	Efficient CORDIC Iteration Design of LiDAR Sensorsâ€™ Point-Cloud Map Reconstruction Technology. Sensors, 2019, 19, 5412.	3.8	17
6	De-Interlacing Algorithm Using Spatial-Temporal Correlation-Assisted Motion Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 932-944.	8.3	16
7	Constant-Hue-Based Color Filter Array Demosaicking Sensor for Digital Still Camera Implementation. IEEE Sensors Journal, 2013, 13, 2586-2594.	4.7	15
8	3D Building Scene Reconstruction Based on 3D LiDAR Point Cloud. , 2017, , .		14
9	Motion Compensated Deinterlacing With Efficient Artifact Detection for Digital Television Displays. Journal of Display Technology, 2008, 4, 218-228.	1.2	13
10	Algorithm and architecture design of adaptive brightness correction for video application. IEEE Transactions on Consumer Electronics, 2008, 54, 1858-1866.	3.6	13
11	Vivid-DIBR Based 2Dâ€™3D Image Conversion System for 3D Display. Journal of Display Technology, 2014, 10, 887-898.	1.2	13
12	3D Environment Measurement and Reconstruction Based on LiDAR. , 2018, , .		13
13	ROI-based Watermarking Scheme for JPEG 2000. Circuits, Systems, and Signal Processing, 2008, 27, 763-774.	2.0	11
14	Environment Detection of 3D LiDAR by Using Neural Networks. , 2019, , .		10
15	DFT-Based SoC/VLSI IP Protection and Digital Rights Management Platform. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2026-2033.	4.7	9
16	Image Decomposition Sensor Based on Conditional Adversarial Model. IEEE Sensors Journal, 2021, 21, 5070-5081.	4.7	7
17	3DTV depth map reconstruction based on structured light scheme. , 2013, , .		6
18	Hardware structure of 2D to 3D image conversion system for digital archives. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
19	Discrete Wavelet Transform on Color Picture Interpolation of Digital Still Camera. VLSI Design, 2013, 2013, 1-9.	0.5	4
20	3D Environment Detection Using Multi-View Color Images and LiDAR Point Clouds. , 2018, , .		4
21	Testing Based SoC/VLSI IP Identification and Protection Platform. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	3
22	High-Speed Memory Cell Circuit Design Based on Low-Temperature Poly Silicon TFT Technology. IEEE Transactions on Magnetics, 2009, 45, 2320-2323.	2.1	3
23	Edge-oriented constant-hue scheme for color filter array demosaicking. , 2010, , .		3
24	Depth map measurement and generation for multi-view video system. , 2011, , .		3
25	Three Dimensional Interactive Video System Based on the DTHI Technology. , 2012, , .		3
26	Two dimensional to three dimensional image conversion system design of digital archives for classical antiques and document. , 2012, , .		3
27	Natural user interface for interactive television. , 2013, , .		3
28	Three-Dimensional LiDAR Decoder Design for Autonomous Vehicles in Smart Cities. Information (Switzerland), 2022, 13, 18.	2.9	3
29	Novel artifact detection for motion compensated deinterlacing. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	2
30	A New Method for High-Speed Dynamic TSPC Memory by Low-Temperature Poly Silicon TFT Technology. IEEE Transactions on Magnetics, 2009, 45, 2312-2315.	2.1	2
31	Disparity measurement using dynamic programming. , 2012, , .		2
32	Implementation of Multi-view Generation System Based on DIBR. , 2012, , .		2
33	Luminance and Color Correction of Multiview Image Compression for 3-DTV System. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	2
34	Three-dimensional gesture interactive system design of home automation for physically handicapped people. , 2015, , .		2
35	VLSI Design of a Depth Map Estimation Circuit Based on Structured Light Algorithm. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2015, 23, 2281-2294.	3.1	2
36	Algorithm and architecture design of adaptive brightness correction for video application. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
37	Oblique Memory Array Design Method. IEEE Transactions on Magnetics, 2009, 45, 2316-2319.	2.1	1
38	Novel step search of block-size selection for variable block-size motion estimation. , 2010, , .		1
39	A 2D-to-3D Image Conversion System Using Block Slope Pattern Based Vanishing Point Detection Technology. , 2012, , .		1
40	Predictable Power Saving Memory Controller Circuit Design for Embedded Static Random Access Memory. IEEE Transactions on Magnetics, 2014, 50, 1-5.	2.1	1
41	LiDAR information for objects classified technology in static environment. , 2017, , .		1
42	Data packet decoder design for LiDAR system. , 2017, , .		1
43	3D Scene Reconstruction Improvement Based on Image Enhancement with Conditional Adversarial Networks. , 2018, , .		1
44	The IEEE International Conference on Consumer Electronics-Taiwan 2018 [Conference Reports]. IEEE Consumer Electronics Magazine, 2019, 8, 7-8.	2.3	1
45	Method for Driving High-pixel-density Displays. , 2020, , .		1
46	2D Color Image Enhancement Based on Conditional Generative Adversarial Network and Interpolation. Advances in Intelligent Systems and Computing, 2020, , 86-95.	0.6	1
47	Next-Generation Electronics and Sensing Technology. Sensors, 2021, 21, 7958.	3.8	1
48	3D Point-cloud Segmentation System Based on AI Model. , 2022, , .		1
49	High Resolution Signal Converter for Multimedia Systems. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	0
50	Deinterlacing system and technology overview and discussion. , 2009, , .		0
51	DTHI based three dimensional interactive multimedia chip and system design. , 2013, , .		0
52	DIBR based multi-view generator circuit and chip design. , 2013, , .		0
53	Stereoscopic visual system for 2D to 3D conversion system. , 2013, , .		0
54	Advanced VLSI Architecture Design for Emerging Digital Systems. VLSI Design, 2014, 2014, 1-2.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Optimal displacement control and image warping architecture for 3D vision system. , 2014, , .		0
56	Brick-like based KGDs self-assembly and connection technologies for 3DIC integration. , 2014, , .		0
57	3-D Holographic Data Storage Circuit Design. IEEE Transactions on Magnetics, 2014, 50, 1-5.	2.1	0
58	Three Dimensional Gestures Interface Based on Complex Background for Intelligent Internet Systems. , 2015, , .		0
59	Image segmentation circuit design for imitated light field image. , 2016, , .		0
60	Hardware implementation and signal processing of holographic system. , 2017, , .		0
61	Dynamic detection technology for moving objects using 3D LiDAR information and RGB camera. , 2017, , .		0
62	Emerging Sensing Technologies in Consumer Electronics. Sensors, 2021, 21, 7689.	3.8	0
63	Three Dimensional Light Detection and Ranging Decoder Design for Autonomous Vehicles Technologies. , 2021, , .		0