Yu-Cheng Fan

List of Publications by Year
in descending order

63	321	1040056	1058476
63	**321**	**9**	**14**
papers	citations	h-index	g-index
63	**63**	**63**	**159**
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-Dimensional LiDAR Decoder Design for Autonomous Vehicles in Smart Cities. Information (Switzerland), 2022, 13, 18.	2.9	3
2	3D Point-cloud Segmentation System Based on AI Model. , 2022, , .		1
3	Image Decomposition Sensor Based on Conditional Adversarial Model. IEEE Sensors Journal, 2021, 21, 5070-5081.	4.7	7
4	Real-Time Object Detection for LiDAR Based on LS-R-YOLOv4 Neural Network. Journal of Sensors, 2021, 2021, 1-11.	1.1	21
5	Emerging Sensing Technologies in Consumer Electronics. Sensors, 2021, 21, 7689.	3.8	0
6	Next-Generation Electronics and Sensing Technology. Sensors, 2021, 21, 7958.	3.8	1
7	Three Dimensional Light Detection and Ranging Decoder Design for Autonomous Vehicles Technologies. , 2021, , .		0
8	Method for Driving High-pixel-density Displays. , 2020, , .		1
9	2D Color Image Enhancement Based on Conditional Generative Adversarial Network and Interpolation. Advances in Intelligent Systems and Computing, 2020, , 86-95.	0.6	1
10	Environment Detection of 3D LiDAR by Using Neural Networks. , 2019, , .		10
11	The IEEE International Conference on Consumer Electronics-Taiwan 2018 [Conference Reports]. IEEE Consumer Electronics Magazine, 2019, 8, 7-8.	2.3	1
12	Efficient CORDIC Iteration Design of LiDAR Sensors' Point-Cloud Map Reconstruction Technology. Sensors, 2019, 19, 5412.	3.8	17
13	3D Scene Reconstruction Improvement Based on Image Enhancement with Conditional Adversarial Networks. , 2018, , .		1
14	3D Environment Measurement and Reconstruction Based on LiDAR. , 2018, , .		13
15	3D Environment Detection Using Multi-View Color Images and LiDAR Point Clouds. , 2018, , .		4
16	LiDAR information for objects classified technology in static environment. , 2017, , .		1
17	Hardware implementation and signal processing of holographic system. , 2017, , .		0
18	3D Building Scene Reconstruction Based on 3D LiDAR Point Cloud. , 2017, , .		14

#	Article	IF	Citations
19	Data packet decoder design for LiDAR system. , 2017, , .		1
20	Dynamic detection technology for moving objects using 3D LiDAR information and RGB camera. , 2017, , .		0
21	Image segmentation circuit design for imitated light field image. , 2016, , .		0
22	Three Dimensional Gestures Interface Based on Complex Background for Intelligent Internet Systems. , 2015, , .		0
23	Three-dimensional gesture interactive system design of home automation for physically handicapped people. , 2015, , .		2
24	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
25	Advanced VLSI Architecture Design for Emerging Digital Systems. VLSI Design, 2014, 2014, 1-2.	0.5	0
26	Optimal displacement control and image warping architecture for 3D vision system. , 2014, , .		0
27	Vivid-DIBR Based 2Dâ€"3D Image Conversion System for 3D Display. Journal of Display Technology, 2014, 10, 887-898.	1.2	13
28	Brick-like based KGDs self-assembly and connection technologies for 3DIC integration. , 2014, , .		0
29	3-D Holographic Data Storage Circuit Design. IEEE Transactions on Magnetics, 2014, 50, 1-5.	2.1	0
30	Predictable Power Saving Memory Controller Circuit Design for Embedded Static Random Access Memory. IEEE Transactions on Magnetics, 2014, 50, 1-5.	2.1	1
31	Luminance and Color Correction of Multiview Image Compression for 3-DTV System. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	2
32	3DTV depth map reconstruction based on structured light scheme. , 2013, , .		6
33	Natural user interface for interactive television. , 2013, , .		3
34	DTHI based three dimensional interactive multimedia chip and system design. , 2013, , .		0
35	DIBR based multi-view generator circuit and chip design. , 2013, , .		0
36	Constant-Hue-Based Color Filter Array Demosaicking Sensor for Digital Still Camera Implementation. IEEE Sensors Journal, 2013, 13, 2586-2594.	4.7	15

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37	Hardware structure of 2D to 3D image conversion system for digital archives. , 2013, , .		6
38	Stereoscopic visual system for 2D to 3D conversion system. , 2013, , .		0
39	Discrete Wavelet Transform on Color Picture Interpolation of Digital Still Camera. VLSI Design, 2013, 2013, 1-9.	0.5	4
40	Disparity measurement using dynamic programming. , 2012, , .		2
41	Three Dimensional Interactive Video System Based on the DTHI Technology. , 2012, , .		3
42	Implementation of Multi-view Generation System Based on DIBR. , 2012, , .		2
43	A 2D-to-3D Image Conversion System Using Block Slope Pattern Based Vanishing Point Detection Technology. , 2012, , .		1
44	Two dimensional to three dimensional image conversion system design of digital archives for classical antiques and document. , 2012, , .		3
45	Depth map measurement and generation for multi-view video system. , 2011, , .		3
46	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
47	Edge-oriented constant-hue scheme for color filter array demosaicking. , 2010, , .		3
48	Novel step search of block-size selection for variable block-size motion estimation. , 2010, , .		1
49	DFT-Based SoC/VLSI IP Protection and Digital Rights Management Platform. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2026-2033.	4.7	9
50	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
51	Deinterlacing system and technology overview and discussion. , 2009, , .		0
52	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
53	Oblique Memory Array Design Method. IEEE Transactions on Magnetics, 2009, 45, 2316-2319.	2.1	1
54	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

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55	ROI-based Watermarking Scheme for JPEG 2000. Circuits, Systems, and Signal Processing, 2008, 27, 763-774.	2.0	11
56	Testing-Based Watermarking Techniques for Intellectual-Property Identification in SOC Design. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 467-479.	4.7	32
57	The Novel Non-Hole-Filling Approach of Depth Image Based Rendering. , 2008, , .		29
58	Motion Compensated Deinterlacing With Efficient Artifact Detection for Digital Television Displays. Journal of Display Technology, 2008, 4, 218-228.	1.2	13
59	Algorithm and architecture design of adaptive brightness correction for video application. IEEE Transactions on Consumer Electronics, 2008, 54, 1858-1866.	3.6	13
60	Novel artifact detection for motion compensated deinterlacing. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	2
61	Algorithm and architecture design of adaptive brightness correction for video application. , 2008, , .		1
62	High Resolution Signal Converter for Multimedia Systems. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	0
63	Testing Based SoC/VLSI IP Identification and Protection Platform. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	3