Patrick Sebastian

List of Publications by Year
in descending order

63	470	1684188 5	1588992 8
papers	citations	h-index	g-index

64	64	64	387
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A quantitative study of tuning ROS gmapping parameters and their effect on performing indoor 2D SLAM. , 2016, , .		43
2	Autonomous Fire Fighting Mobile Platform. Procedia Engineering, 2012, 41, 1145-1153.	1.2	36
3	Modeling Multicamera Coverage for Placement Optimization. , 2017, 1, 1-4.		30
4	Optimizing Visual Surveillance Sensor Coverage Using Dynamic Programming. IEEE Sensors Journal, 2017, 17, 3398-3405.	4.7	27
5	The effect of colour space on tracking robustness. , 2008, , .		26
6	Optimizing Visual Sensor Coverage Overlaps for Multiview Surveillance Systems. IEEE Sensors Journal, 2018, 18, 4544-4552.	4.7	26
7	Vision-based automated parking system. , 2010, , .		22
8	Augmented reality based indoor positioning navigation tool. , 2011, , .		22
9	Colour Space Effect on Tracking in Video Surveillance. International Journal on Electrical Engineering and Informatics, 2010, 2, 298-312.	0.5	21
10	Deployment of MICAz mote for Wireless Sensor Network applications. , 2011, , .		18
11	PV panel modelling using Simscape. , 2011, , .		17
12	A simple solar energy harvester for wireless sensor networks. , 2016, , .		17
13	Visual Sensor Placement Based on Risk Maps. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3109-3117.	4.7	14
14	An MPPT micro solar energy harvester for wireless sensor networks. , 2017, , .		13
15	Tracking using normalized cross correlation and color space. , 2007, , .		12
16	Risk map for video surveillance CCTV. , 2014, , .		10
17	Implementation of real-time simple edge detection on FPGA. , 2007, , .		8
18	Resource minimization in a real-time depth-map processing system on FPGA. , 2011, , .		7

#	Article	IF	Citations
19	Modeling camera coverage using imagery techniques for surveillance applications. , 2014, , .		7
20	Stereo Vision Tracking System. , 2009, , .		6
21	Implementation and optimization of human tracking system using ARM embedded platform. , 2012, , .		6
22	Optimizing visual sensor parameters for total coverage maximization. , 2014, , .		6
23	Sensor integration in a Wireless Sensor Network system for environmental monitoring system. , 2010, , .		5
24	Performance Evaluation Metrics for Video Tracking. IETE Technical Review (Institution of Electronics) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.2	5
25	Optimizing Camera Placement Based on Task Modeling. , 2018, , .		5
26	Camera coverage prioritization to support security monitoring. , 2016, , .		5
27	Optimizing Visual Sensors Placement With Risk Maps Using Dynamic Programming. IEEE Sensors Journal, 2022, 22, 393-404.	4.7	5
28	Signal integrity analysis for high speed digital circuit. , 2010, , .		4
29	Development of Wireless Sensor Network for slope monitoring. , 2012, , .		4
30	Augmented reality assisted localization for indoor navigation on embedded computing platform. , 2017, , .		4
31	Solving Surveillance Coverage Demand Based on Dynamic Programming. , 2020, , .		3
32	Electrical battery modeling for applications in wireless sensor networks and internet of things. Bulletin of Electrical Engineering and Informatics, 2021, 10, 1793-1802.	0.8	3
33	A RTOS for educational purposes. , 2010, , .		2
34	TriBot: Dragging locomotion three-finger robot. , 2011, , .		2
35	Performance comparison review of 8â€“3 compressor on FPGA. , 2017, , .		2
36	An Internet of Things Environmental Monitoring in Campus. , 2018, , .		2

#	Article	IF	Citations
37	Framework for Pedestrian Detection, Tracking and Re-identification in Video Surveillance System. , 2019, , .		2
38	Personal Protective Equipment Detection with Live Camera. , 2021, , .		2
39	Mining moving object attributes based on pixel location for fixed camera. , 2007, , .		1
40	Tracking Consistency Metric for Video Surveillance Tracking. , 2009, , .		1
41	Video localization using array of microphones. , 2010, , .		1
42	Labeling blob using dual cooperative camera. , 2010, , .		1
43	Parametric tracking of multiple segmented regions. , 2012, , .		1
44	An optimal design of moving objects tracking algorithm on FPGA. , 2012, , .		1
45	Card Emulator for Door Access Using Android Platform. , 2013, , .		1
46	Hazardous based area mapping for surveillance monitoring. , 2014, , .		1
47	Secondary coverage configuration to support surveillance monitoring. , 2015, , .		1
48	Configurable 2 bits per cycle successive approximation register for analog to digital converter on FPGA. , 2016, , .		1
49	Measuring Of Real-Time Traffic Flow Using Video From Multiple IP-Based Cameras. , 2019, , .		1
50	Implementation of Color Filtering on FPGA. , 2007, , .		0
51	Knowledge extraction from human motion. , 2008, , .		0
52	Camera Sensor network localization using FPGA. , 2010, , .		0
53	Detecting background setting for dynamic scene. , 2011, , .		0
54	Implementation of autonomous vehicle navigation algorithms using event-driven programming. , 2012, , .		0

#	Article	IF	Citations
55	Threading optimization of the AEMB microprocessor. , 2014, , .		0
56	Handwriting recognition using webcam for data entry. , 2015, , .		0
57	Camera Positioning Using Arms with rotational movement. , 2018, , .		0
58	Parametric Tracking Across Multiple Cameras with Spatial Estimation. IETE Journal of Research, 2020, , 1-15.	2.6	0
59	Modelling of Indoor Light Energy Harvesting for IoT. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0
60	An Internet of Things Ambient Light Monitoring System. Advances in Data Mining and Database Management Book Series, 2019, , 242-263.	0.5	0
61	Power Saving Schemes for Extending the Lifetime of IoT Smart City Applications. Advances in Computer and Electrical Engineering Book Series, 2020, , 68-93.	0.3	0
62	Deterministic vs. Probabilistic Sensing Models for Geometrical Camera Coverage Modeling. , 2021, , .		0
63	Using artificial intelligence search in solving the camera placement problem. , 2022, , 109-127.		0