

Chao Hu

List of Publications by Year in descending order

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30
papers

1,183
citations

623734

14
h-index

996975

15
g-index

30
all docs

30
docs citations

30
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	Positioning Accuracy Improvement of Automated Guided Vehicles Based on a Novel Magnetic Tracking Approach. IEEE Intelligent Transportation Systems Magazine, 2020, 12, 138-148.	3.8	30
2	A Robust Magnetic Tracking Approach Based on Graph Optimization. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7933-7940.	4.7	15
3	A Novel Relative Position Estimation Method for Capsule Robot Moving in Gastrointestinal Tract. Sensors, 2019, 19, 2746.	3.8	24
4	Geomagnetic Compensation for the Rotating of Magnetometer Array During Magnetic Tracking. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3379-3386.	4.7	25
5	A Novel 6-D Tracking Method by Fusion of 5-D Magnetic Tracking and 3-D Inertial Sensing. IEEE Sensors Journal, 2018, 18, 9640-9648.	4.7	22
6	Investigation of the Relationship Between Tracking Accuracy and Tracking Distance of a Novel Magnetic Tracking System. IEEE Sensors Journal, 2017, 17, 4928-4937.	4.7	60
7	Multiple Objects Positioning and Identification Method Based on Magnetic Localization System. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	52
8	Locating Intra-Body Capsule Object by Three-Magnet Sensing System. IEEE Sensors Journal, 2016, 16, 5167-5176.	4.7	52
9	6-D Magnetic Localization and Orientation Method for an Annular Magnet Based on a Closed-Form Analytical Model. IEEE Transactions on Magnetics, 2014, 50, 1-11.	2.1	90
10	An Electromagnetic Localization and Orientation Method Based on Rotating Magnetic Dipole. IEEE Transactions on Magnetics, 2013, 49, 1274-1277.	2.1	59
11	A Cubic 3-Axis Magnetic Sensor Array for Wirelessly Tracking Magnet Position and Orientation. IEEE Sensors Journal, 2010, 10, 903-913.	4.7	183
12	A new calibration method for magnetic sensor array for tracking capsule endoscope. , 2009, , .		19
13	Two-magnet-based 6D-localization and orientation for wireless capsule endoscope. , 2009, , .		21
14	COMPACT REPRESENTATION AND PANORAMIC REPRESENTATION FOR CAPSULE ENDOSCOPE IMAGES. International Journal of Information Acquisition, 2009, 06, 257-268.	0.2	5
15	A Six-Dimensional Magnetic Localization Algorithm for a Rectangular Magnet Objective Based on a Particle Swarm Optimizer. IEEE Transactions on Magnetics, 2009, 45, 3092-3099.	2.1	76
16	A Linear Algorithm for Tracing Magnet Position and Orientation by Using Three-Axis Magnetic Sensors. IEEE Transactions on Magnetics, 2007, 43, 4096-4101.	2.1	110
17	Robot Rotation Decomposition Using Quaternions. , 2006, , .		11
18	The Calibration of 3-Axis Magnetic Sensor Array System for Tracking Wireless Capsule Endoscope. , 2006, , .		34

#	ARTICLE	IF	CITATIONS
19	EFFICIENT MAGNETIC LOCALIZATION AND ORIENTATION TECHNIQUE FOR CAPSULE ENDOSCOPY. International Journal of Information Acquisition, 2005, 02, 23-36.	0.2	126
20	Efficient Linear Algorithm for Magnetic Localization and Orientation in Capsule Endoscopy. , 2005, 2005, 7143-6.		16
21	Efficient magnetic localization and orientation technique for capsule endoscopy. , 2005, , .		43
22	On-line data-driven fuzzy clustering with applications to real-time robotic tracking. , 2004, , .		7
23	Image distortion correction for wireless capsule endoscope. , 2004, , .		6
24	Internet-based remote control by using Adaline neural networks. , 2003, , .		1
25	Improve the resolution of analog digital conversion by software processing. , 0, , .		2
26	Microcomputer-based phase-discrimination capacitive angular sensor. , 0, , .		4
27	Control and data transmission for Internet robots. , 0, , .		1
28	Visual gesture recognition for human-machine interface of robot teleoperation. , 0, , .		23
29	A modular structure for Internet mobile robots. , 0, , .		1
30	Wireless robotic capsule endoscopy: state-of-the-art and challenges. , 0, , .		65