

Guangming Song

List of Publications by Year in descending order

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66
papers

805
citations

567144

15
h-index

580701

25
g-index

66
all docs

66
docs citations

66
times ranked

681
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Analysis on the Effectiveness of Kinematic Error Compensation Methods for Serial Industrial Robots. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-9.	0.6	2
2	Design and Implementation of an Inspection Robot for Non-Destructive Testing of Aluminum Conductor Composite Core Wires. , 2020, , .		1
3	LineSpyX: A Power Line Inspection Robot Based on Digital Radiography. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 4759-4765.	3.3	28
4	Smooth Formation Switching of the Multiple Robots in Bilateral Teleoperation Systems. , 2018, , .		1
5	Energy-Optimized Consensus Formation Control for the Time-Delayed Bilateral Teleoperation System of UAVs. <i>International Journal of Aerospace Engineering</i> , 2018, 2018, 1-22.	0.5	3
6	Design and Implementation of a Legâ€“Wheel Robot: Transleg. <i>Journal of Mechanisms and Robotics</i> , 2017, 9, .	1.5	20
7	Bilateral teleoperation of an unmanned aerial vehicle for forest fire detection. , 2017, , .		9
8	Bilateral teleoperation of multiple UAVs with low-energy coordinated formation control. , 2017, , .		0
9	An Indoor Navigation Service Robot System Based on Vibration Tactile Feedback. <i>International Journal of Social Robotics</i> , 2017, 9, 331-341.	3.1	10
10	Step-climbing maneuver for transleg in the wheeled mode. , 2017, , .		1
11	Monocular vision-based bilateral teleoperation of quadrotors for formation flight. , 2016, , .		1
12	Transleg: A wire-driven leg-wheel robot with a compliant spine. , 2016, , .		12
13	Bilateral teleoperation of a group of mobile robots for cooperative tasks. <i>Intelligent Service Robotics</i> , 2016, 9, 311-321.	1.6	4
14	A Wheel-legged Robot with Active Waist Joint: Design, Analysis, and Experimental Results. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016, 83, 485-502.	2.0	24
15	A Modular Self-Reconfigurable Robot with Enhanced Locomotion Performances: Design, Modeling, Simulations, and Experiments. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016, 81, 377-393.	2.0	17
16	Structural-Parameter-Based Jumping-Height-and-Distance Adjustment and Obstacle Sensing of a Bio-Inspired Jumping Robot. <i>International Journal of Advanced Robotic Systems</i> , 2015, 12, 66.	1.3	10
17	Sensors for Robotics 2015. <i>Journal of Sensors</i> , 2015, 2015, 1-2.	0.6	4
18	Lifetime Optimization of an Indoor Surveillance Sensor Network Using Adaptive Energy-Efficient Transmission. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 739014.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Head stabilization control for snake-like robots during lateral undulating locomotion. , 2014, , .		4
20	Consensus and obstacle avoidance for multi-robot systems with fixed and switching topologies. , 2014, , .		4
21	A self-recovery mechanism for quadrotors. , 2014, , .		1
22	Modeling and simulation of a bio-inspired symmetrical jumping robot. , 2014, , .		0
23	Design and Implementation of a Modular Self-Reconfigurable Robot. International Journal of Advanced Robotic Systems, 2014, 11, 47.	1.3	11
24	Aerial posture adjustment of a bio-inspired jumping robot for safe landing: Modeling and simulation. , 2014, , .		1
25	In vivo skin penetration and metabolic path of quantum dots. Science China Life Sciences, 2013, 56, 181-188.	2.3	31
26	Design and implementation of a new intelligent modular reconfigurable robot. , 2013, , .		1
27	Strategy research of role assignment and formation control for multi-robot systems. , 2013, , .		1
28	Role-based configuration representation for modular reconfigurable robots. , 2013, , .		0
29	Wheeled robot control based on gesture recognition using the Kinect sensor. , 2013, , .		13
30	A bio-inspired jumping robot: Modeling, simulation, design, and experimental results. Mechatronics, 2013, 23, 1123-1140.	2.0	67
31	Prototype design and performance test of an in-phase flapping wing robot. , 2013, , .		1
32	Autonomous network repairing of a home security system using modular self-reconfigurable robots. IEEE Transactions on Consumer Electronics, 2013, 59, 562-570.	3.0	22
33	A novel one-motor driven robot that jumps and walks. , 2013, , .		8
34	Ambient light intensity based topology switching control for multi-robot system. , 2013, , .		1
35	Design of a tumbling robot that jumps and tumbles for rough terrain. , 2013, , .		3
36	An adaptive localisation algorithm of mobile node in wireless sensor network. International Journal of Sensor Networks, 2013, 14, 42.	0.2	6

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37	Hand Motion-Based Remote Control Interface with Vibrotactile Feedback for Home Robots. International Journal of Advanced Robotic Systems, 2013, 10, 270.	1.3	4
38	Sensors for Robotics. Journal of Sensors, 2013, 2013, 1-2.	0.6	1
39	Design and Implementation of a Tumbling Robot with Jumping Capability. Jiqiren/Robot, 2013, 35, 672.	0.4	0
40	Self-righting, steering and takeoff angle adjusting for a jumping robot. , 2012, , .		14
41	Design and Implementation of a Remote Control System for a Bio-Inspired Jumping Robot. International Journal of Advanced Robotic Systems, 2012, 9, 117.	1.3	6
42	Automatic Battery Swap System for Home Robots. International Journal of Advanced Robotic Systems, 2012, 9, 255.	1.3	8
43	Design of a self-reconfigurable wireless network system for modular self-reconfigurable robots. , 2012, , .		1
44	Design of transmote: A modular self-reconfigurable robot with versatile transformation capabilities. , 2012, , .		14
45	Design of a Vibrotactile Vest for Contour Perception. International Journal of Advanced Robotic Systems, 2012, 9, 166.	1.3	21
46	A Wireless Sensor Network System with a Jumping Node for Unfriendly Environments. International Journal of Distributed Sensor Networks, 2012, 8, 568240.	1.3	11
47	A Bio-inspired Jumping Robot for Mobile Sensor Networks over Rough Terrain. Lecture Notes in Electrical Engineering, 2012, , 57-62.	0.3	0
48	Design of a Wireless Sensor Network Based Monitoring System for Home Automation. , 2011, , .		26
49	Automatic docking system for recharging home surveillance robots. IEEE Transactions on Consumer Electronics, 2011, 57, 428-435.	3.0	47
50	An indoor security system with a jumping robot as the surveillance terminal. IEEE Transactions on Consumer Electronics, 2011, 57, 1774-1781.	3.0	59
51	A reconfigurable mobile node for wireless sensor networks in unfriendly environments. , 2010, , .		4
52	Wireless sensor and actuator network system for calling home robots. , 2010, , .		3
53	A reconfigurable mobile sensor network system for rough terrain. , 2010, , .		2
54	A surveillance robot with hopping capabilities for home security. IEEE Transactions on Consumer Electronics, 2009, 55, 2034-2039.	3.0	94

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55	A smart node architecture for adding mobility to wireless sensor networks. <i>Sensors and Actuators A: Physical</i> , 2008, 147, 216-221.	2.0	39
56	Design and implementation of ZigBee based gateway for environmental monitoring system. , 2008, , .		4
57	A ZigBee Based Mesh Network for Home Control System. , 2008, , .		1
58	The analysis of genetic diversity and differentiation of six Chinese cattle populations using microsatellite markers. <i>Journal of Genetics and Genomics</i> , 2008, 35, 25-32.	1.7	12
59	A multi-interface gateway architecture for home automation networks. <i>IEEE Transactions on Consumer Electronics</i> , 2008, 54, 1110-1113.	3.0	36
60	Localization for hybrid sensor networks in unknown environments using received signal strength indicator. , 2008, , .		6
61	A Mobile Sensor Network System for Monitoring of Unfriendly Environments. <i>Sensors</i> , 2008, 8, 7259-7274.	2.1	37
62	An Effective Algorithm for Guiding Mobile Nodes in Wireless Sensor Networks. <i>Signal Processing Systems Design and Implementation (siPS)</i> , IEEE Workshop on, 2007, , .	0.0	2
63	Racemote: A Mobile Node for Wireless Sensor Networks. , 2006, , .		6
64	Self-Deployment of Mobile Sensor Networks in Complex Indoor Environments. , 2006, , .		4
65	Distributed measurement system based on networked smart sensors with standardized interfaces. <i>Sensors and Actuators A: Physical</i> , 2005, 120, 147-153.	2.0	18
66	A novel distributed architecture for building Web-enabled remote robotic laboratories. , 2005, , .		1