

Wai-keung Fung

List of Publications by Year in descending order

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41
papers

941
citations

840776

11
h-index

839539

18
g-index

44
all docs

44
docs citations

44
times ranked

666
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study of pipeline leak detection for gas-liquid stratified flow. Journal of Natural Gas Science and Engineering, 2021, 94, 104054.	4.4	19
2	A Fuzzy Cooperative Localisation Framework for Underwater Robotic Swarms. Sensors, 2020, 20, 5496.	3.8	11
3	Recent Advances in Pipeline Monitoring and Oil Leakage Detection Technologies: Principles and Approaches. Sensors, 2019, 19, 2548.	3.8	220
4	Fluorescence lifetime assisted enhanced security feature in travel documents for border control and security applications. , 2019, , .		1
5	A prototype telerobotic platform for live transmission line maintenance: Review of design and development. Transactions of the Institute of Measurement and Control, 2018, 40, 3273-3292.	1.7	7
6	Confidence-based Underwater Localization Scheme for Large-Scale Mobile Sensor Networks. , 2018, , .		4
7	State Switching of a Multistable Impacting System using PDLike Control. MATEC Web of Conferences, 2018, 148, 10001.	0.2	0
8	A pilot study on aeronautical surveillance system for drone delivery using heterogeneous software defined radio framework. , 2017, , .		2
9	Graphics processing unit based acceleration of electromagnetic transients simulation. , 2016, , .		2
10	Investigation of structural parameter dependence of confinement losses in PCF-FBG sensor for oil and gas sensing applications. Optical and Quantum Electronics, 2016, 48, 1.	3.3	13
11	Investigation of positioning of FBG sensors for smart monitoring of oil and gas subsea structures. , 2016, , .		12
12	Position referenced force augmentation in teleoperated hydraulic manipulators operating under delayed and lossy networks: A pilot study. Robotics and Autonomous Systems, 2016, 83, 231-242.	5.1	13
13	Graphics-Processing-Unit-Based Acceleration of Electromagnetic Transients Simulation. IEEE Transactions on Power Delivery, 2016, 31, 2036-2044.	4.3	18
14	Selection of Network Parameters in Wireless Control of Bilateral Teleoperated Manipulators. IEEE Transactions on Industrial Informatics, 2015, 11, 1445-1456.	11.3	15
15	Wireless Control of a Teleoperated Hydraulic Manipulator With Application Towards Live-Line Maintenance. , 2013, , .		6
16	EFFECT OF NETWORK QUALITY ON PERFORMANCE OF BILATERAL TELEOPERATED HYDRAULIC ACTUATORS: A COMPARATIVE STUDY. Control and Intelligent Systems, 2013, 41, .	0.3	5
17	ON internet based supermedia enhanced telepresence via cellular data network. , 2012, , .		2
18	Electromagnetic transient simulation of large-scale electrical power networks using graphics processing units. , 2012, , .		13

#	ARTICLE	IF	CITATIONS
19	On network simulation for performance evaluation of real-time Internet-based teleoperation. , 2011, , .		2
20	Simulation of large-scale electrical power networks on graphics processing units. , 2011, , .		22
21	Performance evaluation of three schemes applied to bilateral control of a hydraulic actuator interacting with deformable environments. , 2010, , .		0
22	Content based focus measure for robust auto-focusing of microscopy in biomedical applications. , 2010, , .		1
23	EXPERIMENTAL EVALUATION OF BILATERAL CONTROL SCHEMES APPLIED TO HYDRAULIC ACTUATORS: A COMPARATIVE STUDY. Transactions of the Canadian Society for Mechanical Engineering, 2009, 33, 377-398.	0.8	16
24	Experimental Evaluation of Two Bilateral Control Schemes Applied to a Tele-Operated Hydraulic Actuator. , 2009, , .		0
25	A modified Vector Quantization based image compression technique using wavelet transform. , 2008, , .		10
26	A case study of 3D stereoscopic vs. 2D monoscopic tele-reality in real-time dexterous teleoperation. , 2005, , .		12
27	Planning and control of 3-D nano-manipulation. Acta Mechanica Sinica/Lixue Xuebao, 2004, 20, 117-124.	3.4	6
28	Development of Augmented Reality System for AFM-Based Nanomanipulation. IEEE/ASME Transactions on Mechatronics, 2004, 9, 358-365.	5.8	199
29	Adaptive categorization of ART networks in robot behavior learning using game-theoretic formulation. Neural Networks, 2003, 16, 1403-1420.	5.9	16
30	Supermedia-enhanced internet-based telerobotics. Proceedings of the IEEE, 2003, 91, 396-421.	21.3	86
31	Multi-site real-time tele-cooperation via the Internet. Advanced Robotics, 2003, 17, 235-251.	1.8	2
32	QOS BASED CONTROL OF TELEOPERATION VIA INTERNET. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 37-42.	0.4	0
33	Multi-site Internet-based tele-cooperation. Integrated Computer-Aided Engineering, 2002, 9, 117-127.	4.6	5
34	Haptic information in Internet-based teleoperation. IEEE/ASME Transactions on Mechatronics, 2001, 6, 295-304.	5.8	114
35	Repeated game analysis on ART adaptive categorization game. , 2000, , .		0
36	Extracting logical perceptual space for robot learning using factor analysis. , 0, , .		0

#	ARTICLE	IF	CITATIONS
37	Improving efficiency of Internet based teleoperation using network QoS. , 0, , .		17
38	Task driven dynamic QoS based bandwidth allocation for real-time teleoperation via the Internet. , 0, , .		14
39	Augmented reality system for real-time nanomanipulation. , 0, , .		25
40	Adaptive real-time Internet-based teleoperation systems for efficiency improvement using network QoS. , 0, , .		1
41	Improving the Operation Efficiency of Supermedia Enhanced Internet Based Teleoperation via an Overlay Network. , 0, , .		7