

Wai-keung Fung

List of Publications by Year in descending order

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Version: 2024-02-01

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	Recent Advances in Pipeline Monitoring and Oil Leakage Detection Technologies: Principles and Approaches. <i>Sensors</i> , 2019, 19, 2548.	3.8	220
2	Development of Augmented Reality System for AFM-Based Nanomanipulation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2004, 9, 358-365.	5.8	199
3	Haptic information in Internet-based teleoperation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2001, 6, 295-304.	5.8	114
4	Supermedia-enhanced internet-based telerobotics. <i>Proceedings of the IEEE</i> , 2003, 91, 396-421.	21.3	86
5	Augmented reality system for real-time nanomanipulation. , 0, , .		25
6	Simulation of large-scale electrical power networks on graphics processing units. , 2011, , .		22
7	Numerical study of pipeline leak detection for gas-liquid stratified flow. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 94, 104054.	4.4	19
8	Graphics-Processing-Unit-Based Acceleration of Electromagnetic Transients Simulation. <i>IEEE Transactions on Power Delivery</i> , 2016, 31, 2036-2044.	4.3	18
9	Improving efficiency of Internet based teleoperation using network QoS. , 0, , .		17
10	Adaptive categorization of ART networks in robot behavior learning using game-theoretic formulation. <i>Neural Networks</i> , 2003, 16, 1403-1420.	5.9	16
11	EXPERIMENTAL EVALUATION OF BILATERAL CONTROL SCHEMES APPLIED TO HYDRAULIC ACTUATORS: A COMPARATIVE STUDY. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2009, 33, 377-398.	0.8	16
12	Selection of Network Parameters in Wireless Control of Bilateral Teleoperated Manipulators. <i>IEEE Transactions on Industrial Informatics</i> , 2015, 11, 1445-1456.	11.3	15
13	Task driven dynamic QoS based bandwidth allocation for real-time teleoperation via the Internet. , 0, , .		14
14	Electromagnetic transient simulation of large-scale electrical power networks using graphics processing units. , 2012, , .		13
15	Investigation of structural parameter dependence of confinement losses in PCFâ€“FBG sensor for oil and gas sensing applications. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	13
16	Position referenced force augmentation in teleoperated hydraulic manipulators operating under delayed and lossy networks: A pilot study. <i>Robotics and Autonomous Systems</i> , 2016, 83, 231-242.	5.1	13
17	A case study of 3D stereoscopic vs. 2D monoscopic tele-reality in real-time dexterous teleoperation. , 2005, , .		12
18	Investigation of positioning of FBG sensors for smart monitoring of oil and gas subsea structures. , 2016, , .		12

#	ARTICLE	IF	CITATIONS
19	A Fuzzy Cooperative Localisation Framework for Underwater Robotic Swarms. <i>Sensors</i> , 2020, 20, 5496.	3.8	11
20	A modified Vector Quantization based image compression technique using wavelet transform. , 2008, , .		10
21	Improving the Operation Efficiency of Supermedia Enhanced Internet Based Teleoperation via an Overlay Network. , 0, , .		7
22	A prototype telerobotic platform for live transmission line maintenance: Review of design and development. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 3273-3292.	1.7	7
23	Planning and control of 3-D nano-manipulation. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2004, 20, 117-124.	3.4	6
24	Wireless Control of a Teleoperated Hydraulic Manipulator With Application Towards Live-Line Maintenance. , 2013, , .		6
25	Multi-site Internet-based tele-cooperation. <i>Integrated Computer-Aided Engineering</i> , 2002, 9, 117-127.	4.6	5
26	EFFECT OF NETWORK QUALITY ON PERFORMANCE OF BILATERAL TELEOPERATED HYDRAULIC ACTUATORS: A COMPARATIVE STUDY. <i>Control and Intelligent Systems</i> , 2013, 41, .	0.3	5
27	Confidence-based Underwater Localization Scheme for Large-Scale Mobile Sensor Networks. , 2018, , .		4
28	Multi-site real-time tele-cooperation via the Internet. <i>Advanced Robotics</i> , 2003, 17, 235-251.	1.8	2
29	On network simulation for performance evaluation of real-time Internet-based teleoperation. , 2011, , .		2
30	ON internet based supermedia enhanced telepresence via cellular data network. , 2012, , .		2
31	Graphics processing unit based acceleration of electromagnetic transients simulation. , 2016, , .		2
32	A pilot study on aeronautical surveillance system for drone delivery using heterogeneous software defined radio framework. , 2017, , .		2
33	Adaptive real-time Internet-based teleoperation systems for efficiency improvement using network QoS. , 0, , .		1
34	Content based focus measure for robust auto-focusing of microscopy in biomedical applications. , 2010, , .		1
35	Fluorescence lifetime assisted enhanced security feature in travel documents for border control and security applications. , 2019, , .		1
36	Extracting logical perceptual space for robot learning using factor analysis. , 0, , .		0

#	ARTICLE	IF	CITATIONS
37	Repeated game analysis on ART adaptive categorization game. , 2000, , .		0
38	QOS BASED CONTROL OF TELEOPERATION VIA INTERNET. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 37-42.	0.4	0
39	Performance evaluation of three schemes applied to bilateral control of a hydraulic actuator interacting with deformable environments. , 2010, , .		0
40	State Switching of a Multistable Impacting System using PDLike Control. MATEC Web of Conferences, 2018, 148, 10001.	0.2	0
41	Experimental Evaluation of Two Bilateral Control Schemes Applied to a Tele-Operated Hydraulic Actuator. , 2009, , .		0