Ananda Maiti

List of Publications by Year
in descending order

67 papers	415 citations

1163117

8 h-index

996975

15 g-index

67 all docs	67 docs citations
67 times ranked	255 citing authors

#	Article	IF	Citations
1	A Comprehensive Review on 3D Object Detection and 6D Pose Estimation With Deep Learning. IEEE Access, 2021, 9, 143746-143770.	4.2	25
2	Teaching Embedded Systems and Internet-of-Things Supported by Multipurpose Multiobjective Remote Laboratories. IEEE Transactions on Learning Technologies, 2021, 14, 526-539.	3.2	3
3	Blockchain for supply chain quality management: challenges and opportunities in context of open manufacturing and industrial internet of things. International Journal of Computer Integrated Manufacturing, 2020, 33, 1321-1355.	4.6	58
4	Intelligent Online Interface to Digital Electronics Laboratory with Automatic Circuit Validation and Support. Lecture Notes in Networks and Systems, 2020, , 3-18.	0.7	1
5	Colour Histogram Segmentation for Object Tracking in Remote Laboratory Environments. Lecture Notes in Networks and Systems, 2020, , 544-563.	0.7	0
6	Estimating Service Quality in Industrial Internet-of-Things Monitoring Applications With Blockchain. IEEE Access, 2019, 7, 155489-155503.	4.2	21
7	Applying Augmented Reality to New or Existing Remote Access Laboratories. , 2019, , .		1
8	Teaching Internet of Things in a Collaborative Laboratory Environment. , 2019, , .		8
9	Using Unity 3D as the Augmented Reality Framework for Remote Access Laboratories. Lecture Notes in Networks and Systems, 2019, , 581-590.	0.7	4
10	Visual Tools for Aiding Remote Control Systems Experiments with Embedded Controllers. Lecture Notes in Networks and Systems, 2019, , 415-424.	0.7	0
11	Enabling Remote PLC Training Using Hardware Models. Lecture Notes in Networks and Systems, 2019, , 323-332.	0.7	1
12	A Framework for Analyzing and Evaluating Architectures and Control Strategies in Distributed Remote Laboratories. IEEE Transactions on Learning Technologies, 2018, 11, 441-455.	3.2	17
13	Comparison of QoS optimisation techniques in adaptive smart device peer-to-peer overlay networks. International Journal of Parallel, Emergent and Distributed Systems, 2018, , 1-19.	1.0	1
14	Object Detection Resource Usage Within a Remote Real-Time Video Stream. Lecture Notes in Networks and Systems, 2018, , 266-277.	0.7	3
15	Automata-Based Generic Model for Interoperating Context-Aware Ad-Hoc Devices in Internet of Things. IEEE Internet of Things Journal, 2018, 5, 3837-3852.	8.7	6
16	Identifying Partial Subroutines for Instrument Control Based on Regular Expressions. Lecture Notes in Networks and Systems, 2018, , 483-498.	0.7	0
17	Augmented Reality and Natural User Interface Applications for Remote Laboratories. , 2018, , 79-109.		3
18	Using marker based augmented reality and natural user interface for interactive remote experiments. , 2017, , .		2

#	Article	IF	Citations
19	Action learning-based MOOC to enhance laboratory learning outcomes: Introducing the MELLO Project. , 2017, , .		0
20	Hosting and Sharing Your Own Remote Experiments with RALfie â€" an Open Ended Experiment Design Experience. International Journal of Online Engineering, 2016, 12, 40.	0.5	1
21	Augmented and Mixed Reality Features and Tools for Remote Laboratory Experiments. International Journal of Online Engineering, 2016, 12, 45.	0.5	7
22	Node allocation in Peer-to-peer overlay networks based remote instrumentation with smart devices. , 2016, , .		2
23	Key aspects of integrating augmented reality tools into peer-to-peer remote laboratory user interfaces. , 2016, , .		8
24	Work in progress: Remote experiment control through gesture recognition. , 2016, , .		2
25	The game and activity environment of RALfie: Remote access laboratories for fun, innovation and education. , 2016, , .		1
26	Variable interactivity with dynamic control strategies in remote laboratory experiments. , 2016, , .		1
27	Using gamification to create opportunities for engagement, collaboration and communication in a peer-to-peer environment for making and using Remote Access Labs. , 2015, , .		4
28	Introducing RALfie â€" Remote access laboratories for fun, innovation and education. , 2015, , .		2
29	Joining the game and the experiment in peer-to-peer remote laboratories for STEM education. , 2015, , .		9
30	Latency-adaptive positioning of Nano Data Centers for peer-to-peer communication based on clustering. , 2015, , .		4
31	Components relationship analysis in distributed remote laboratory apparatus with data clustering. , 2015, , .		4
32	Building Markov Decision Process Based Models of Remote Experimental Setups for State Evaluation. , 2015, , .		2
33	Design and operational reliability of a Peer-to-Peer distributed remote access laboratory. , 2015, , .		2
34	Merging Remote Laboratories and Enquiry-based Learning for STEM Education. International Journal of Online and Biomedical Engineering, 2014, 10, 50.	1.4	11
35	Integrating enquiry-based learning pedagogies and remote access laboratory for STEM education. , 2014, , .		7
36	Real-Time Remote Access Laboratory with Distributed and Modular Design. IEEE Transactions on Industrial Electronics, 2014, , 1-1.	7.9	31

#	Article	IF	Citations
37	Time scheduling in a peer-to-peer remote access laboratory for STEM education. , 2014, , .		2
38	Using network enabled microcontrollers in experiments for a distributed remote laboratory. , 2014, , .		8
39	Overlay network architectures for peer-to-peer Remote Access Laboratories. , 2014, , .		15
40	Features, Trends and Characteristics of Remote Access Laboratory Management Systems. International Journal of Online and Biomedical Engineering, 2014, 10, 30.	1.4	16
41	Development of remote laboratories using cloud architecture with web instrumentation. , 2013, , .		3
42	Interactive remote laboratories with gesture based interface through microsoft kinect. , 2013, , .		3
43	Estimation of round trip time in distributed real time system architectures. , 2013, , .		6
44	Enhancing microelectronics education using online semiconductor technology CAD laboratory. , 2013, , .		4
45	An overview of system architectures for Remote Laboratories. , 2013, , .		11
46	Performance evaluation of network architectures for collaborative real-time learning systems. , 2013, , .		3
47	Extending micro and nanoelectronics education through integrated online microelectronics and technology CAD laboratory. , 2012, , .		1
48	Remotely triggered semiconductor devices characterization laboratory in cloud environment. , 2012, , .		1
49	A study of switching mechanisms in remote electronics laboratories for engineering education. , 2012, , .		4
50	Common interface platform for development of remote laboratories. , 2012, , .		2
51	RF Laboratory for Engineering Education. , 2012, , .		3
52	Remote operation of optical microscopes for use in science and engineering laboratories. , 2012, , .		0
53	Internet-based Robot-supported RF and Wireless Laboratory for Engineering Education. International Journal of Online and Biomedical Engineering, 2012, 8, 28.	1.4	2
54	LabVIEW controlled atomic force microscopy for remote nanoelectronics laboratory. , 2012, , .		2

#	Article	IF	Citations
55	Teaching Technology Computer Aided Design (TCAD) Online. , 2012, , 185-205.		2
56	An improved scheduling scheme for the management of online laboratories. , 2011, , .		2
57	Design and Development of a Cost-Effective Online Electronic Circuits Laboratory. , 2011, , .		4
58	Online technology CAD laboratory for microelectronics education. , 2011, , .		7
59	Applications of Short Message Service and WAP in Operating Remotely Triggered Laboratories. International Journal of Online and Biomedical Engineering, 2011, 7, 20.	1.4	0
60	Data Handling Techniques in Online Semiconductor Technology CAD Laboratory. International Journal of Online and Biomedical Engineering, 2011, 7, 26.	1.4	3
61	A hybrid algorithm for time scheduling in remotely triggered online laboratories. , 2011, , .		9
62	NETLab: An online laboratory management system. , 2010, , .		20
63	NETLab: An Online Laboratory Management System. International Journal of Online and Biomedical Engineering, 2010, 6, 31.	1.4	14
64	Automatic Evaluation of StudentÃ¢??s Performance in Online Laboratories. International Journal of Online and Biomedical Engineering, 2010, 6, 41.	1.4	3
65	ADOBE Flash Lite Ã¢?? Based Online Laboratory for Mobile Phones. International Journal of Interactive Mobile Technologies, 2010, 4, 45.	1.2	1
66	Time Scheduling Schemes in Online Laboratory Management Systems. International Journal of Online and Biomedical Engineering, 2010, 6, 44.	1.4	7
67	Teaching Technology Computer Aided Design (TCAD) Online. , 0, , 1043-1063.		5