Ananda Maiti

List of Publications by Year
in descending order

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Version: 2024-02-01

67	415	1162889	996849
papers	citations	8	15
		h-index	g-index

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

#	Article	IF	Citations
1	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.	2.9	58
2	Real-Time Remote Access Laboratory with Distributed and Modular Design. IEEE Transactions on Industrial Electronics, 2014, , 1-1.	5.2	31
3	A Comprehensive Review on 3D Object Detection and 6D Pose Estimation With Deep Learning. IEEE Access, 2021, 9, 143746-143770.	2.6	25
4	Estimating Service Quality in Industrial Internet-of-Things Monitoring Applications With Blockchain. IEEE Access, 2019, 7, 155489-155503.	2.6	21
5	NETLab: An online laboratory management system. , 2010, , .		20
6	A Framework for Analyzing and Evaluating Architectures and Control Strategies in Distributed Remote Laboratories. IEEE Transactions on Learning Technologies, 2018, 11, 441-455.	2.2	17
7	Features, Trends and Characteristics of Remote Access Laboratory Management Systems. International Journal of Online and Biomedical Engineering, 2014, 10, 30.	0.9	16
8	Overlay network architectures for peer-to-peer Remote Access Laboratories. , 2014, , .		15
9	NETLab: An Online Laboratory Management System. International Journal of Online and Biomedical Engineering, 2010, 6, 31.	0.9	14
10	An overview of system architectures for Remote Laboratories. , 2013, , .		11
11	Merging Remote Laboratories and Enquiry-based Learning for STEM Education. International Journal of Online and Biomedical Engineering, 2014, 10, 50.	0.9	11
12	A hybrid algorithm for time scheduling in remotely triggered online laboratories. , 2011, , .		9
13	Joining the game and the experiment in peer-to-peer remote laboratories for STEM education. , 2015, , .		9
14	Using network enabled microcontrollers in experiments for a distributed remote laboratory. , 2014, , .		8
15	Key aspects of integrating augmented reality tools into peer-to-peer remote laboratory user interfaces. , 2016, , .		8
16	Teaching Internet of Things in a Collaborative Laboratory Environment. , 2019, , .		8
17	Online technology CAD laboratory for microelectronics education. , 2011, , .		7
18	Integrating enquiry-based learning pedagogies and remote access laboratory for STEM education. , 2014, , .		7

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19	Augmented and Mixed Reality Features and Tools for Remote Laboratory Experiments. International Journal of Online Engineering, 2016, 12, 45.	0.5	7
20	Time Scheduling Schemes in Online Laboratory Management Systems. International Journal of Online and Biomedical Engineering, 2010, 6, 44.	0.9	7
21	Estimation of round trip time in distributed real time system architectures. , 2013, , .		6
22	Automata-Based Generic Model for Interoperating Context-Aware Ad-Hoc Devices in Internet of Things. IEEE Internet of Things Journal, 2018, 5, 3837-3852.	5.5	6
23	Teaching Technology Computer Aided Design (TCAD) Online. , 0, , 1043-1063.		5
24	Design and Development of a Cost-Effective Online Electronic Circuits Laboratory. , 2011, , .		4
25	A study of switching mechanisms in remote electronics laboratories for engineering education. , 2012, , .		4
26	Enhancing microelectronics education using online semiconductor technology CAD laboratory. , 2013, , .		4
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	Latency-adaptive positioning of Nano Data Centers for peer-to-peer communication based on clustering. , 2015, , .		4
29	Components relationship analysis in distributed remote laboratory apparatus with data clustering. , 2015, , .		4
30	Using Unity 3D as the Augmented Reality Framework for Remote Access Laboratories. Lecture Notes in Networks and Systems, 2019, , 581-590.	0.5	4
31	Data Handling Techniques in Online Semiconductor Technology CAD Laboratory. International Journal of Online and Biomedical Engineering, 2011, 7, 26.	0.9	3
32	RF Laboratory for Engineering Education. , 2012, , .		3
33	Development of remote laboratories using cloud architecture with web instrumentation. , 2013, , .		3
34	Interactive remote laboratories with gesture based interface through microsoft kinect. , 2013, , .		3
35	Performance evaluation of network architectures for collaborative real-time learning systems. , 2013, , .		3
36	Object Detection Resource Usage Within a Remote Real-Time Video Stream. Lecture Notes in Networks and Systems, 2018, , 266-277.	0.5	3

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37	Teaching Embedded Systems and Internet-of-Things Supported by Multipurpose Multiobjective Remote Laboratories. IEEE Transactions on Learning Technologies, 2021, 14, 526-539.	2.2	3
38	Automatic Evaluation of StudentÃ¢??s Performance in Online Laboratories. International Journal of Online and Biomedical Engineering, 2010, 6, 41.	0.9	3
39	Augmented Reality and Natural User Interface Applications for Remote Laboratories. , 2018, , 79-109.		3
40	An improved scheduling scheme for the management of online laboratories. , 2011, , .		2
41	Common interface platform for development of remote laboratories. , 2012, , .		2
42	Internet-based Robot-supported RF and Wireless Laboratory for Engineering Education. International Journal of Online and Biomedical Engineering, 2012, 8, 28.	0.9	2
43	LabVIEW controlled atomic force microscopy for remote nanoelectronics laboratory. , 2012, , .		2
44	Time scheduling in a peer-to-peer remote access laboratory for STEM education. , 2014, , .		2
45	Introducing RALfie â€" Remote access laboratories for fun, innovation and education. , 2015, , .		2
46	Building Markov Decision Process Based Models of Remote Experimental Setups for State Evaluation. , 2015, , .		2
47	Design and operational reliability of a Peer-to-Peer distributed remote access laboratory. , 2015, , .		2
48	Node allocation in Peer-to-peer overlay networks based remote instrumentation with smart devices. , 2016, , .		2
49	Work in progress: Remote experiment control through gesture recognition. , 2016, , .		2
50	Using marker based augmented reality and natural user interface for interactive remote experiments. , 2017, , .		2
51	Teaching Technology Computer Aided Design (TCAD) Online. , 2012, , 185-205.		2
52	Extending micro and nanoelectronics education through integrated online microelectronics and technology CAD laboratory. , 2012, , .		1
53	Remotely triggered semiconductor devices characterization laboratory in cloud environment. , 2012, , .		1
54	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

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55	The game and activity environment of RALfie: Remote access laboratories for fun, innovation and education. , 2016, , .		1
56	Variable interactivity with dynamic control strategies in remote laboratory experiments. , 2016, , .		1
57	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.	0.7	1
58	Applying Augmented Reality to New or Existing Remote Access Laboratories. , 2019, , .		1
59	Intelligent Online Interface to Digital Electronics Laboratory with Automatic Circuit Validation and Support. Lecture Notes in Networks and Systems, 2020, , 3-18.	0.5	1
60	ADOBE Flash Lite Ã¢?? Based Online Laboratory for Mobile Phones. International Journal of Interactive Mobile Technologies, 2010, 4, 45.	0.7	1
61	Enabling Remote PLC Training Using Hardware Models. Lecture Notes in Networks and Systems, 2019, , 323-332.	0.5	1
62	Applications of Short Message Service and WAP in Operating Remotely Triggered Laboratories. International Journal of Online and Biomedical Engineering, 2011, 7, 20.	0.9	0
63	Remote operation of optical microscopes for use in science and engineering laboratories. , 2012, , .		0
64	Action learning-based MOOC to enhance laboratory learning outcomes: Introducing the MELLO Project. , 2017, , .		0
65	Identifying Partial Subroutines for Instrument Control Based on Regular Expressions. Lecture Notes in Networks and Systems, 2018, , 483-498.	0.5	0
66	Visual Tools for Aiding Remote Control Systems Experiments with Embedded Controllers. Lecture Notes in Networks and Systems, 2019, , 415-424.	0.5	0
67	Colour Histogram Segmentation for Object Tracking in Remote Laboratory Environments. Lecture Notes in Networks and Systems, 2020, , 544-563.	0.5	0