Javier Garcia-Zubia

List of Publications by Year
in descending order

103 papers	1,361 citations	567281 15 h-index	477307 29 g-index
103 all docs	103 docs citations	103 times ranked	655 citing authors

#	Article	IF	Citations
1	A roadmap for the VISIR remote lab. European Journal of Engineering Education, 2023, 48, 880-898.	2.3	5
2	Promoting Microelectronic Through Remote FPGA Based Laboratory. Lecture Notes in Networks and Systems, 2022, , 514-524.	0.7	0
3	Optimizing Computational Resources for Edge Intelligence Through Model Cascade Strategies. IEEE Internet of Things Journal, 2022, 9, 7404-7417.	8.7	7
4	Design and Evaluation of a User Experience Questionnaire for Remote Labs. IEEE Access, 2021, 9, 50222-50230.	4.2	13
5	Towards Reliable Remote Laboratory Experiences: A Model for Maximizing Availability Through Fault-Detection and Replication. IEEE Access, 2021, 9, 45032-45054.	4.2	7
6	Using VISIR Remote Lab in the Classroom: Case of Study of the University of Deusto 2009â€"2019. Advances in Intelligent Systems and Computing, 2021, , 82-102.	0.6	5
7	Mapping VISIR Circuits for Computer-assisted Assessment. , 2021, , .		1
8	Exploring the computational cost of machine learning at the edge for human-centric Internet of Things. Future Generation Computer Systems, 2020, 112, 670-683.	7.5	22
9	WebLabLib: New Approach for Creating Remote Laboratories. Lecture Notes in Networks and Systems, 2020, , 477-488.	0.7	10
10	Experiencia española en el proyecto Go-Lab. Educar, 2020, 56, 387-405.	0.4	2
11	Simplicity is Best. , 2019, , .		4
12	Integral Remote laboratory for Programmable Logic. , 2019, , .		6
13	Dashboard for the VISIR remote lab. , 2019, , .		11
14	Improving the Scalability and Replicability of Embedded Systems Remote Laboratories Through a Cost-Effective Architecture. IEEE Access, 2019, 7, 164164-164185.	4.2	31
15	New Approach for Conversational Agent Definition by Non-Programmers: A Visual Domain-Specific Language. IEEE Access, 2019, 7, 5262-5276.	4.2	14
16	A sustainable approach to laboratory experimentation. , 2019, , .		8
17	Scaling up the Lab: An Adaptable and Scalable Architecture for Embedded Systems Remote Labs. IEEE Access, 2018, 6, 16887-16900.	4.2	24
18	The WebLab-Deusto Remote Laboratory Management System Architecture: Achieving Scalability, Interoperability, and Federation of Remote Experimentation. , 2018, , 17-42.		12

#	Article	IF	Citations
19	Interactive live-streaming technologies and approaches for web-based applications. Multimedia Tools and Applications, 2018, 77, 6471-6502.	3.9	22
20	Learning to Program in K12 Using a Remote Controlled Robot: RoboBlock. Lecture Notes in Networks and Systems, 2018, , 344-358.	0.7	10
21	Spreading the VISIR Remote Lab Along Argentina. The Experience in Patagonia. Lecture Notes in Networks and Systems, 2018, , 290-297.	0.7	2
22	A sustainable approach to let students do more real experiments with electrical and electronic circuits. , 2018, , .		3
23	Addressing technical and organizational pitfalls of using remote laboratories in a commercial environment. , 2018, , .		2
24	Experimenting in PILAR federation: A common path for the future. , 2018, , .		7
25	Increasing the Value of Remote Laboratory Federations Through an Open Sharing Platform: LabsLand. Lecture Notes in Networks and Systems, 2018, , 859-873.	0.7	25
26	International Cooperation for Remote Laboratory Use. , 2018, , 1-31.		6
27	RoboBlock: A remote lab for robotics and visual programming. , 2017, , .		8
28	An Open and Scalable Web-Based Interactive Live-Streaming architecture: The WILSP Platform. IEEE Access, 2017, 5, 9842-9856.	4.2	13
29	Empirical Analysis of the Use of the VISIR Remote Lab in Teaching Analog Electronics. IEEE Transactions on Education, 2017, 60, 149-156.	2.4	65
30	Spreading remote lab usage a system â€" A community â€" A Federation. , 2016, , .		23
31	LabsLand: A sharing economy platform to promote educational remote laboratories maintainability, sustainability and adoption. , 2016, , .		18
32	New experiences and strategies in remote laboratories and apps for electronics: Proposal for a special session. , 2016, , .		0
33	A new approach to conduct remote experimentation over embedded technologies. , 2016, , .		5
34	Classifying online laboratories: Reality, simulation, user perception and potential overlaps. , 2016, , .		6
35	An architecture for new models of online laboratories: Educative multi-user gamified hybrid laboratories based on virtual environments. , 2016, , .		3
36	Weblab â€" Microscope: A remote laboratory for experimenting with digital microscope. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
37	Remote measurement and instrumentation laboratory for training in real analog electronic experiments. Measurement: Journal of the International Measurement Confederation, 2016, 82, 123-134.	5.0	28
38	Archimedes remote lab for secondary schools. , 2015, , .		4
39	Archimedes remote lab. , 2015, , .		1
40	Automatic Assessment of Progress Using Remote Laboratories. International Journal of Online and Biomedical Engineering, 2015, 11, 49.	1.4	10
41	Remote Experimentation Using a Didactical Elevator. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2015, 10, 319-323.	0.9	1
42	InnoEscuela, innovation in secondary school technical studies. , 2015, , .		0
43	The AppComposer Web application for school teachers: A platform for translating and adapting educational web applications. , 2015, , .		1
44	Technology, Learning and Teaching Electronics—TecnologÃa, Aprendizaje y EnseÃ±anza de la ElectrÃ³nica, TAEE 2014. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2015, 10, 280-281.	0.9	0
45	A Flexible and Configurable Architecture for Automatic Control Remote Laboratories. IEEE Transactions on Learning Technologies, 2015, 8, 299-310.	3.2	65
46	wCloud: Automatic generation of WebLab-Deusto deployments in the Cloud. , 2015, , .		4
47	An Extensible Architecture for the Integration of Remote and Virtual Laboratories in Public Learning Tools. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2015, 10, 223-233.	0.9	35
48	IX International Conference on Remote Engineering and Virtual Instrumentation REV 2012. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2014, 9, 22-22.	0.9	0
49	An automatic assessment model for remote laboratories. , 2014, , .		3
50	New challenges in the Bologna Process using Remote Laboratories and Learning Analytics to support teachers in continuous assessment. , 2014, , .		3
51	Learning Analytics on federated remote laboratories: Tips and techniques. , 2014, , .		15
52	Generic integration of remote laboratories in public learning tools: Organizational and technical challenges. , 2014, , .		8
53	Towards federated interoperable bridges for sharing educational remote laboratories. Computers in Human Behavior, 2014, 30, 389-395.	8.5	32
54	Towards a microRLMS approach for shared development of remote laboratories. , 2014, , .		6

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55	OpenSocial Application Builder and Customizer for School Teachers. , 2014, , .		3
56	Adapting Remote Labs to Learning Scenarios: Case Studies Using VISIR and RemotElectLab. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2014, 9, 33-39.	0.9	14
57	Serious Games, Remote Laboratories and Augmented Reality to Develop and Assess Programming Skills. Lecture Notes in Computer Science, 2014, , 29-36.	1.3	3
58	Competence Development and Assessment Using a Game-based Strategy. International Journal of Online and Biomedical Engineering, 2014, 10, 38.	1.4	0
59	Integration of a remote lab in a software tool for digital electronics. , 2013, , .		3
60	OLAREX project: Open learning approach with remote experiments. , 2013, , .		1
61	Generic integration of remote laboratories in learning and content management systems through federation protocols. , 2013, , .		22
62	Widget and smart devices. A different aproach for online learning scenarios. , 2013, , .		1
63	A mobile robot platform for open learning based on serious games and remote laboratories. , 2013, , .		12
64	WebLab-Deployer: Exporting remote laboratories as SaaS through federation protocols. , 2013, , .		2
65	Remote experiments in secondary school education. , 2013, , .		8
66	Addressing low cost remote laboratories through federation protocols: Fish tank remote laboratory. , 2013, , .		11
67	Exploring complex remote laboratory ecosystems through interoperable federation chains. , 2013, , .		10
68	Boole-WebLab-Deusto: Integration of a remote lab in a tool for digital circuits design. , 2013, , .		3
69	Sharing Control Laboratories by Remote Laboratory Management System WebLab-Deusto. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 345-350.	0.4	6
70	Sharing Remote Labs: A Case Study. International Journal of Online and Biomedical Engineering, 2013, 9, 26.	1.4	4
71	Boole-WebLab-FPGA: Creating an Integrated Digital Electronics Learning Workflow Through a Hybrid Laboratory and an Educational Electronics Design Tool. International Journal of Online and Biomedical Engineering, 2013, 9, 19.	1.4	6
72	Sharing the remote laboratories among different institutions: A practical case. , 2012, , .		11

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73	Reconfigurable electronics remote lab from the experiments and instruments point of view. , 2012, , .		2
74	Control methodology independent of the experiments to be deployed in remote labs of analog electronic. , 2012, , .		1
75	State of Art, Initiatives and New Challenges for Virtual and Remote Labs. , 2012, , .		27
76	Sharing Laboratories across Different Remote Laboratory Systems. , 2012, , .		13
77	Exploring students collaboration in remote laboratory infrastructures. , 2012, , .		6
78	Using remote labs to serve different teacher's needs A case study with VISIR and RemotElectLab. , 2012, , .		14
79	Modelling remote laboratories integrations in e-learning tools through remote laboratories federation protocols. , 2012, , .		10
80	Time to play with a microcontroller managed mobile bot. , 2012, , .		21
81	Putting fundamentals of electronic circuits practices online. , 2012, , .		4
82	Using LabVIEW remote panel in remote laboratories: Advantages and disadvantages. , 2012, , .		19
83	Measuring Instruments Control Methodology Performance for Analog Electronics Remote Labs. International Journal of Online and Biomedical Engineering, 2012, 8, 10.	1.4	0
84	Using Remote Labs to Serve Different Teacherâ??s Needs - A Case Study with VISIR and RemotElectLab. International Journal of Online and Biomedical Engineering, 2012, 8, 36.	1.4	2
85	VISIR: Experiences and Challenges. International Journal of Online and Biomedical Engineering, 2012, 8, 25.	1.4	31
86	WebLab-Deusto-CPLD: A Practical Experience. International Journal of Online and Biomedical Engineering, 2012, 8, 17.	1.4	2
87	Remote experiments and online games: How to merge them?. , 2011, , .		5
88	VISIR deployment in undergraduate engineering practices. , 2011, , .		6
89	Application and user perceptions of using the WebLab-Deusto-PLD in technical education. , 2011, , .		9
90	Adding New Features to New and Existing Remote Experiments through their Integration in WebLab-Deusto. International Journal of Online and Biomedical Engineering, 2011, 7, 33.	1.4	47

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91	VISIR deployment in undergraduate engineering practices. , 2011, , .		13
92	Application and user perceptions of using the WebLab-Deusto-PLD in technical education. , 2011, , .		12
93	Enabling mobile access to Remote Laboratories. , 2011, , .		18
94	Remote Experiments and Online Games: How to Merge them?. International Journal of Engineering Pedagogy, 2011, 1, 31.	1.1	4
95	LXI Technologies for Remote Labs: An Extension of the VISIR Project. International Journal of Online and Biomedical Engineering, 2010, 6, 25.	1.4	19
96	On Objectives of Instructional Laboratories, Individual Assessment, and Use of Collaborative Remote Laboratories. IEEE Transactions on Learning Technologies, 2009, 2, 263-274.	3.2	165
97	Addressing Software Impact in the Design of Remote Laboratories. IEEE Transactions on Industrial Electronics, 2009, 56, 4757-4767.	7.9	119
98	Acceptance, Usability and Usefulness of WebLab-Deusto from the Students Point of View. International Journal of Online and Biomedical Engineering, 2009, 5, 9.	1.4	15
99	Mobile Devices and Remote Labs in Engineering Education. , 2008, , .		22
100	Experience with WebLab-Deusto. , 2006, , .		8
101	Remote Control of Web 2.0-Enabled Laboratories from Mobile Devices. , 2006, , .		5
102	Accessing WebLabs from cellular phones. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	2
103	Accessing Remote Laboratories from Mobile Devices. Advances in Mobile and Distance Learning Book Series, 0, , 233-246.	0.5	0