

Manuel Carlos Felgueiras

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

831
citations

1306789

7
h-index

642321

23
g-index

55
all docs

55
docs citations

55
times ranked

819
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing energy efficiency with a smart farm – An economic evaluation. Energy Reports, 2022, 8, 454-461.	2.5	17
2	Recyclable waste collection – Increasing ecopoint filling capacity to reduce energy for transportation. Energy Reports, 2022, 8, 430-436.	2.5	4
3	Macro modeling of electricity price towards SDG7. Energy Reports, 2022, 8, 614-622.	2.5	4
4	An Alternative Way of Teaching Operational Amplifiers Using a Reconfigurable and Expandable Kit. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2021, 16, 307-317.	0.7	0
5	Ground-source energy systems for building heating and cooling – A case study. Energy Reports, 2020, 6, 353-357.	2.5	5
6	An educational remote laboratory for controlling a signal conditioning circuit with an LDR sensor. , 2020, , .		4
7	A demo platform to teach and learn the behaviour of a PI controller. , 2020, , .		1
8	ICEER2019@Aveiro: Energy and environment - challenges towards circular economy. Energy Reports, 2020, 6, 1-14.	2.5	3
9	Evaluation of potential tidal impoundment energy systems in Ria de Aveiro, Portugal. Energy Reports, 2020, 6, 226-230.	2.5	4
10	Learning Automation from Remote Labs in Higher Education. , 2020, , .		2
11	Higher Education for Sustainable Development. , 2020, , .		1
12	Teaching sustainable development in higher education. , 2020, , .		2
13	Sustainable development in higher education. , 2019, , .		2
14	Analysis of Fossil Fuel Energy Consumption and Environmental Impacts in European Countries. Energies, 2019, 12, 964.	1.6	467
15	A sustainable approach to laboratory experimentation. , 2019, , .		8
16	A sustainable approach to let students do more real experiments with electrical and electronic circuits. , 2018, , .		3
17	Transistor teaching back to Transfer-Resistor : A summary table of definitions and students’™ perceptions. , 2018, , .		0
18	ZELab. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Water consumption monitoring system for public bathing facilities. Energy Procedia, 2018, 153, 408-413.	1.8	6
20	Fossil fuel energy consumption in European countries. Energy Procedia, 2018, 153, 107-111.	1.8	147
21	Sustainable engineering labs - A Portuguese perspective. Energy Procedia, 2018, 153, 455-460.	1.8	3
22	Supercapacitor in battery charges of photovoltaic panel: analysis of the technical feasibility. Energy Procedia, 2018, 153, 80-85.	1.8	5
23	A reconfigurable and expandable kit to teach electronic circuits based on Operational Amplifiers. , 2018, , .		5
24	Advances on Sustainable Development in Higher Education. , 2018, , .		2
25	New Trends in Energy Production and Utilization. Energy Procedia, 2017, 107, 7-14.	1.8	48
26	Sustainability in Buildings – A Teaching Approach. Energy Procedia, 2017, 107, 15-22.	1.8	3
27	Europe and MENA Cooperation Advances in Information and Communication Technologies. Advances in Intelligent Systems and Computing, 2017, , .	0.5	10
28	Mathematical modelling of Portuguese hydroelectric energy system. Energy Procedia, 2017, 136, 213-218.	1.8	3
29	Weighing-in-motion wireless system for sustainable railway transport. Energy Procedia, 2017, 136, 408-413.	1.8	7
30	Engineering education towards sustainability. Energy Procedia, 2017, 136, 414-417.	1.8	19
31	Using Remote Lab for Enhancing E-Learning on FPAs. International Journal of Online Engineering, 2016, 12, 58.	0.5	0
32	A multicultural approach to teach sustainability. Journal of Technology and Science Education, 2016, 5, .	0.5	1
33	How to Use Remote Labs for Enhancing E-Learning on PSoCs. International Journal of Online Engineering, 2016, 12, 61.	0.5	1
34	Learning objects for demanding themes in electronics teaching. , 2016, , .		1
35	Spreading remote lab usage a system – A community – A Federation. , 2016, , .		23
36	A practical approach to teaching the propagation of electromagnetic interference in printed circuit boards. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Reshaping digital methodologies to the analog world. , 2016, , .		1
38	A remote lab to support e-learning on FPAA. , 2015, , .		1
39	Teaching sustainability in a multicultural environment. , 2015, , .		2
40	Low cost boundary scan controller for didactic applications (IEEE 1149.1). , 2015, , .		1
41	A remote lab to support e-learning on Programmable System-on-Chip (PSoC). , 2015, , .		0
42	Buildings Sustainability: The HVAC Contribution. Journal of Clean Energy Technologies, 2015, 4, 375-379.	0.1	3
43	RES Efficiency Indicators for Portugal, Spain and Germany. Journal of Clean Energy Technologies, 2015, 3, 261-264.	0.1	2
44	Indicators Used in the Energy Sector. Journal of Clean Energy Technologies, 2015, 4, 380-383.	0.1	0
45	Buildings Sustainability – The Non-Intrusive Load-Identification System Contribution. Journal of Clean Energy Technologies, 2015, 4, 367-370.	0.1	1
46	Reverse Problem-Based Learning - A Case Study with a Braille Machine. International Journal of Engineering Pedagogy, 2014, 4, 56.	0.7	0
47	High order experimental skills' gap identification — The need to reshape electronics teaching. , 2014, , .		0
48	Streamlining power electronics teaching. , 2014, , .		1
49	A demonstration circuit to support e-learning on IEEE 1149.1/4 infrastructures. , 2014, , .		0
50	A demonstration circuit to support e-learning on IEEE 1149.1/4 infrastructures. , 2014, , .		1
51	Unblinding a Braille machine — A case study of reverse problem-based learning. , 2013, , .		5
52	An embedded 1149.4 extension to support mixed-signal debugging. Microelectronics Journal, 2011, 42, 218-232.	1.1	2
53	Using test infrastructures for (remote) online evaluation of the sensitivity to SEUs of FPGAs. , 2009, , .		0
54	Design of the online course –research as art– as a means to improve students` creative potential. Poltica E Gesto Educacional, 0, , 408-418.	0.1	0