Manuel Carlos Felgueiras

List of Publications by Year
in descending order

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	Analysis of Fossil Fuel Energy Consumption and Environmental Impacts in European Countries. Energies, 2019, 12, 964.	1.6	467
2	Fossil fuel energy consumption in European countries. Energy Procedia, 2018, 153, 107-111.	1.8	147
3	New Trends in Energy Production and Utilization. Energy Procedia, 2017, 107, 7-14.	1.8	48
4	Spreading remote lab usage a system â€" A community â€" A Federation. , 2016, , .		23
5	Engineering education towards sustainability. Energy Procedia, 2017, 136, 414-417.	1.8	19
6	Increasing energy efficiency with a smart farmâ€"An economic evaluation. Energy Reports, 2022, 8, 454-461.	2.5	17
7	Europe and MENA Cooperation Advances in Information and Communication Technologies. Advances in Intelligent Systems and Computing, 2017, , .	0.5	10
8	A sustainable approach to laboratory experimentation. , 2019, , .		8
9	Weighing-in-motion wireless system for sustainable railway transport. Energy Procedia, 2017, 136, 408-413.	1.8	7
10	Water consumption monitoring system for public bathing facilities. Energy Procedia, 2018, 153, 408-413.	1.8	6
11	Unblinding a Braille machine — A case study of reverse problem-based learning. , 2013, , .		5
12	Supercapacitor in battery charges of photovoltaic panel: analysis of the technical feasibility. Energy Procedia, 2018, 153, 80-85.	1.8	5
13	A reconfigurable and expandable kit to teach electronic circuits based on Operational Amplifiers. , 2018, , .		5
14	Ground-source energy systems for building heating and cooling â€" A case study. Energy Reports, 2020, 6, 353-357.	2.5	5
15	An educational remote laboratory for controlling a signal conditioning circuit with an LDR sensor. , 2020, , .		4
16	Evaluation of potential tidal impoundment energy systems in Ria de Aveiro, Portugal. Energy Reports, 2020, 6, 226-230.	2.5	4
17	Recyclable waste collectionâ€"Increasing ecopoint filling capacity to reduce energy for transportation. Energy Reports, 2022, 8, 430-436.	2.5	4
18	Macro modeling of electricity price towards SDG7. Energy Reports, 2022, 8, 614-622.	2.5	4

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19	Sustainability in Buildings â€“ A Teaching Approach. Energy Procedia, 2017, 107, 15-22.	1.8	3
20	Mathematical modelling of Portuguese hydroelectric energy system. Energy Procedia, 2017, 136, 213-218.	1.8	3
21	A sustainable approach to let students do more real experiments with electrical and electronic circuits. , 2018, , .		3
22	Sustainable engineering labs - A Portuguese perspective. Energy Procedia, 2018, 153, 455-460.	1.8	3
23	ICEER2019@Aveiro: Energy and environment - challenges towards circular economy. Energy Reports, 2020, 6, 1-14.	2.5	3
24	Buildings Sustainability: The HVAC Contribution. Journal of Clean Energy Technologies, 2015, 4, 375-379.	0.1	3
25	An embedded 1149.4 extension to support mixed-signal debugging. Microelectronics Journal, 2011, 42, 218-232.	1.1	2
26	Teaching sustainability in a multicultural environment. , 2015, , .		2
27	Advances on Sustainable Development in Higher Education. , 2018, , .		2
28	Sustainable development in higher education. , 2019, , .		2
29	RES Efficiency Indicators for Portugal, Spain and Germany. Journal of Clean Energy Technologies, 2015, 3, 261-264.	0.1	2
30	Learning Automation from Remote Labs in Higher Education. , 2020, , .		2
31	Teaching sustainable development in higher education. , 2020, , .		2
32	Streamlining power electronics teaching. , 2014, , .		1
33	A demonstration circuit to support e-learning on IEEE 1149.1/4 infrastructures. , 2014, , .		1
34	A remote lab to support e-learning on FPAA. , 2015, , .		1
35	Low cost boundary scan controller for didactic applications (IEEE 1149.1). , 2015, , .		1
36	A multicultural approach to teach sustainability. Journal of Technology and Science Education, 2016, 5, .	0.5	1

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37	How to Use Remote Labs for Enhancing E-Learning on PSoCs. International Journal of Online Engineering, 2016, 12, 61.	0.5	1
38	Learning objects for demanding themes in eletronics teaching. , 2016, , .		1
39	Reshaping digital methodologies to the analog world. , 2016, , .		1
40	A demo platform to teach and learn the behaviour of a PI controller. , 2020, , .		1
41	Buildings Sustainability â€" The Non-Intrusive Load-Identification System Contribution. Journal of Clean Energy Technologies, 2015, 4, 367-370.	0.1	1
42	Higher Education for Sustainable Development. , 2020, , .		1
43	Using test infrastructures for (remote) online evaluation of the sensitivity to SEUs of FPGAs. , 2009, , .		0
44	Reverse Problem-Based Learning - A Case Study with a Braille Machine. International Journal of Engineering Pedagogy, 2014, 4, 56.	0.7	0
45	High order experimental skills' gap identification — The need to reshape electronics teaching. , 2014, , .		0
46	A demonstration circuit to support e-learning on IEEE 1149.1/4 infrastructures. , 2014, , .		0
47	A remote lab to support e-leaning on Programmable System-on-Chip (PSoC). , 2015, , .		0
48	Using Remote Lab for Enhancing E-Learning on FPAAs. International Journal of Online Engineering, 2016, 12, 58.	0.5	0
49	A practical approach to teaching the propagation of electromagnetic interference in printed circuit boards. , 2016, , .		0
50	Transistor teaching back to Transfer-Resistor : A summary table of definitions and studentsâ€™ perceptions. , 2018, , .		0
51	ZELab. , 2018, , .		0
52	Design of the online course â€œresearch as artâ€•as a means to improve students` creative potential. PolÃtica E GestÃ£o Educacional, 0, , 408-418.	0.1	0
53	Indicators Used in the Energy Sector. Journal of Clean Energy Technologies, 2015, 4, 380-383.	0.1	0
54	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