JoÃ£o Carlos Amaro Ferreira

List of Publications by Year
in descending order

121 papers	**1,323** citations	516215 **16** h-index	476904 **29** g-index
135 all docs	**135** docs citations	**135** times ranked	**1130** citing authors

#	Article	IF	Citations
1	Experimental Validation of a Novel Architecture Based on a Dual-Stage Converter for Off-Board Fast Battery Chargers of Electric Vehicles. IEEE Transactions on Vehicular Technology, 2018, 67, 1000-1011.	3.9	115
2	Vehicle-to-Anything Application (V2Anything App) for Electric Vehicles. IEEE Transactions on Industrial Informatics, 2014, 10, 1927-1937.	7.2	72
3	Improved Vehicle-to-Home (iV2H) Operation Mode: Experimental Analysis of the Electric Vehicle as Off-Line UPS. IEEE Transactions on Smart Grid, 2017, 8, 2702-2711.	6.2	71
4	Assessment of a battery charger for Electric Vehicles with reactive power control. , 2012, , .		63
5	The Impact of Driving Styles on Fuel Consumption: A Data-Warehouse-and-Data-Mining-Based Discovery Process. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2653-2662.	4.7	63
6	LoBEMSâ€"IoT for Building and Energy Management Systems. Electronics (Switzerland), 2019, 8, 763.	1.8	54
7	Model Predictive Control Applied to an Improved Five-Level Bidirectional Converter. IEEE Transactions on Industrial Electronics, 2016, 63, 5879-5890.	5.2	51
8	Vehicle Electrification: New Challenges and Opportunities for Smart Grids. Energies, 2019, 12, 118.	1.6	36
9	Building a Community of Users for Open Market Energy. Energies, 2018, 11, 2330.	1.6	34
10	Beacons and BIM Models for Indoor Guidance and Location. Sensors, 2018, 18, 4374.	2.1	32
11	IoT Power Monitoring System for Smart Environments. Sustainability, 2019, 11, 5355.	1.6	32
12	Disaster Management in Smart Cities. Smart Cities, 2021, 4, 819-839.	5.5	31
13	Smart electric vehicle charging system. , 2011, , .		30
14	Batteries Charging Systems for Electric and Plug-In Hybrid Electric Vehicles. , 0, , .		26
15	Remote Monitoring Systems for Patients With Chronic Diseases in Primary Health Care: Systematic Review. JMIR MHealth and UHealth, 2021, 9, e28285.	1.8	26
16	Recommender system for drivers of electric vehicles. , 2011, , .		25
17	Dynamic range prediction for an electric vehicle. , 2013, , .		23
18	An Energy Management Platform for Public Buildings. Electronics (Switzerland), 2018, 7, 294.	1.8	22

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19	IoT and Blockchain Paradigms for EV Charging System. Energies, 2019, 12, 2987.	1.6	19
20	Named Entity Recognition for Sensitive Data Discovery in Portuguese. Applied Sciences (Switzerland), 2020, 10, 2303.	1.3	19
21	Antiferromagnetic exchange and magnetoresistance enhancement in Co-Re superlattices. Physical Review B, 1992, 45, 2495-2498.	1.1	18
22	Electric Vehicles On-Board Battery Charger for the Future Smart Grids. IFIP Advances in Information and Communication Technology, 2013, , 351-358.	0.5	16
23	Mobile Cockpit System for Enhanced Electric Bicycle Use. IEEE Transactions on Industrial Informatics, 2015, 11, 1017-1027.	7.2	16
24	Data Analytics Process over Road Accidents Data—A Case Study of Lisbon City. ISPRS International Journal of Geo-Information, 2022, 11, 143.	1.4	15
25	On-board electric vehicle battery charger with enhanced V2H operation mode. , 2014, , .		13
26	Roaming Service for Electric Vehicle Charging Using Blockchain-Based Digital Identity. Energies, 2021, 14, 1686.	1.6	13
27	Uncovering dimensions of the impact of blockchain technology in supply chain management. Operations Management Research, 2023, 16, 99-125.	5.0	12
28	Electric Vehicle Charging Process and Parking Guidance App. Energies, 2019, 12, 2123.	1.6	11
29	3D IoT System for Environmental and Energy Consumption Monitoring System. Sustainability, 2021, 13, 1495.	1.6	11
30	Blockchain and Internet of Things for Electrical Energy Decentralization: A Review and System Architecture. Energies, 2021, 14, 8043.	1.6	11
31	iV2G Charging Platform. , 2010, , .		10
32	Collaborative Broker for Distributed Energy Resources. Intelligent Systems, Control and Automation: Science and Engineering, 2013, , 365-376.	0.3	10
33	Experimental Validation of a Bidirectional Three-Level dc-dc Converter for On-Board or Off-Board EV Battery Chargers. , 2019, , .		10
34	Things2People Interaction toward Energy Savings in Shared Spaces Using BIM. Applied Sciences (Switzerland), 2020, 10, 5709.	1.3	10
35	Smart Charging Management for Electric Vehicle Battery Chargers. , 2014, , .		9
36	IoT system for anytime/anywhere monitoring and control of vehicles' parameters. , 2017, , .		9

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37	Merging Data Diversity of Clinical Medical Records to Improve Effectiveness. International Journal of Environmental Research and Public Health, 2019, 16, 769.	1.2	9
38	BIM in People2People and Things2People Interactive Process. Sensors, 2020, 20, 2982.	2.1	9
39	Salespeople Performance Evaluation with Predictive Analytics in B2B. Applied Sciences (Switzerland), 2020, 10, 4036.	1.3	9
40	Smart Cities: Data-Driven Solutions to Understand Disruptive Problems in Transportation—The Lisbon Case Study. Energies, 2021, 14, 3044.	1.6	9
41	Intelligent Transportation Systems for Electric Vehicles. Energies, 2021, 14, 5550.	1.6	9
42	Edge Computing Approach for Vessel Monitoring System. Energies, 2019, 12, 3087.	1.6	8
43	Data Center Environment Monitoring System. , 2019, , .		8
44	Data-Driven Approach for Incident Management in a Smart City. Applied Sciences (Switzerland), 2020, 10, 8281.	1.3	8
45	Electric vehicle assistant based on driver profile. International Journal of Electric and Hybrid Vehicles, 2014, 6, 335.	0.2	7
46	Development of an IoT System with Smart Charging Current Control for Electric Vehicles. , 2018, , .		7
47	DisBot: A Portuguese Disaster Support Dynamic Knowledge Chatbot. Applied Sciences (Switzerland), 2020, 10, 9082.	1.3	7
48	Annealing kinetics ofa€Si:H deposited by concentric€electrode rf glow discharge at room temperature. Journal of Applied Physics, 1993, 73, 1826-1831.	1.1	6
49	Android as a Cloud Ticket Validator. , 2013, , .		6
50	A Blockchain and Gamification Approach for Smart Parking. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 3-14.	0.2	6
51	Predictive Analysis in Healthcare: Emergency Wait Time Prediction. Advances in Intelligent Systems and Computing, 2019, , 138-145.	0.5	6
52	Wine Traceability and Counterfeit Reduction: Blockchain-Based Application for a Wine Supply Chain. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 59-70.	0.2	6
53	Multi-Modal Transportation Advisor system. , 2011, , .		5
54	A mechatronic device for spasticity quantification. , 2011, , .		5

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55	Simulation of a persistent medium-term precipitation event over the western Iberian Peninsula. Hydrology and Earth System Sciences, 2013, 17, 3741-3758.	1.9	5
56	Smart Platform towards Batteries Analysis Based on Internet-of-Things. Procedia Technology, 2014, 17, 520-527.	1.1	5
57	Child's Target Height Prediction Evolution. Applied Sciences (Switzerland), 2019, 9, 5447.	1.3	5
58	Calcium Identification and Scoring Based on Echocardiography. An Exploratory Study on Aortic Valve Stenosis. Journal of Personalized Medicine, 2021, 11, 598.	1.1	5
59	GoodsPooling: An Intelligent Approach for Urban Logistics. Advances in Intelligent Systems and Computing, 2017, , 55-62.	0.5	5
60	Operation Modes of Battery Chargers for Electric Vehicles in the Future Smart Grids. IFIP Advances in Information and Communication Technology, 2014, , 401-408.	0.5	5
61	Bike-sharing mobility patterns: a data-driven analysis for the city of Lisbon. EAI Endorsed Transactions on Smart Cities, 0, , 169580.	0.6	5
62	Data Fusion and Visualization towards City Disaster Management: Lisbon Case Study. EAI Endorsed Transactions on Smart Cities, 2022, 6, e3.	0.6	5
63	VDML: A MODELING Language for New Vehicle Development. , 2007, , .		4
64	Mobi_System: A personal travel assistance for electrical vehicles in smart cities. , 2011, , .		4
65	SMART sensor network: With Bluetooth low energy and CAN-BUS. , 2017, , .		4
66	Machine learning for quality control system. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 4491-4500.	3.3	4
67	Green Route Planner. Springer Proceedings in Mathematics and Statistics, 2014, , 59-68.	0.1	4
68	DisKnow: A Social-Driven Disaster Support Knowledge Extraction System. Applied Sciences (Switzerland), 2020, 10, 6083.	1.3	4
69	SMART BATTERY CHARGER FOR ELECTRIC MOBILITY IN SMART GRIDS. , 2012, , .		4
70	University Digital Engagement of Students. Lecture Notes in Computer Science, 2022, , 376-390.	1.0	4
71	Simulation of Electrical Distributed Energy Resources for Electrical Vehicles Charging Process Strategy. , 2010, , .		3
72	My Traffic Manager. Procedia Technology, 2014, 17, 209-216.	1.1	3

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73	OpenADRâ€"Intelligent Electrical Energy Consumption Towards Internet-of-Things. Lecture Notes in Electrical Engineering, 2017, , 725-736.	0.3	3
74	Adopting Blockchain in Supply Chain â€" An Approach for a Pilot. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 125-141.	0.2	3
75	Smart home power management system for electric vehicle battery charger and electrical appliance control. International Transactions on Electrical Energy Systems, 2021, 31, e12812.	1.2	3
76	Tracking Users Mobility Patterns Towards CO2 Footprint. Advances in Intelligent Systems and Computing, 2016, , 87-96.	0.5	3
77	Mining Users Mobility at Public Transportation. Inteligencia Artificial, 2017, 20, 32.	0.5	3
78	Tourism Guidance Tracking and Safety Platform. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 162-171.	0.2	3
79	Mining Electric Vehicle Adoption of Users. World Electric Vehicle Journal, 2021, 12, 233.	1.6	3
80	A digital library for a virtual organization. , 0, , .		2
81	KAD - an integrated CAD and CSCW system for the development of new product in industry business. , 2008, , .		2
82	Academic Ontology to support the Bologna Mobility Process. , 2009, , .		2
83	Towards a collective knowledge for a smart electric vehicle charging strategy. , 2011, , .		2
84	Amazon Smartsales Ticketing System. Procedia Technology, 2014, 17, 510-519.	1.1	2
85	Collaborative Gamified Approach for Transportation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 26-38.	0.2	2
86	EV-Cockpit â€" Mobile Personal Travel Assistance for Electric Vehicles. , 2011, , 247-257.		2
87	Comprehensive Analysis and Comparison of Digital Current Control Techniques for Active Rectifiers. Lecture Notes in Electrical Engineering, 2017, , 655-666.	0.3	2
88	Web services for information retrieval. , 2005, , .		1
89	A methodology to design information retrieval systems (MDIRS). , 2007, , .		1
90	Modeling Engineering and Manufacturing Activity in Vehicle Development Process. , 2007, , .		1

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91	MDAI: Model based design in automobile industry. , 2009, , .		1
92	Distributed Multimodal Journey Planner Based on Mashup of Individual Plannersâ€™ APIs. Communications in Computer and Information Science, 2017, , 307-314.	0.4	1
93	Mobile device sensing system for urban goods distribution logistics. , 2017, , .		1
94	A STUDENT PERSONAL SYSTEM FOR BOLOGNA PROCESS MOBILITY. , 2009, , .		1
95	Taas â€" Ticketing as a Service. , 2013, , .		1
96	Emerging Opportunities for Ambient Intelligence in Creativity Support Tools. Advances in Intelligent Systems and Computing, 2017, , 640-648.	0.5	1
97	Remote Monitor System for Alzheimer Disease. Lecture Notes in Networks and Systems, 2022, , 251-260.	0.5	1
98	Modeling product engineer and manufacturing activity in automobile industry. , 2007, , .		0
99	UML and enterprise application integration in automobile industry. , 2007, , .		0
100	MODELING DESIGN ACTIVITY IN AUTOMOBILE INDUSTRY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 130-134.	0.4	0
101	PARTS LIFE CYCLE ACTIVITIES ON AUTOMOTIVE INDUSTRY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 471-474.	0.4	0
102	AtualizaÃ§Ã£o de conhecimento em sistemas de diÃ¡logo. , 2008, , .		0
103	Measurements of collaboration efforts in the new product development. , 2009, , .		0
104	Die Surface Designer System. , 2009, , .		0
105	Electric Vehicle Communities for Electric Market. World Electric Vehicle Journal, 2010, 4, 683-692.	1.6	0
106	Decision Process to Manage Renewable Energy Production in Smart Grid Environment. Communications in Computer and Information Science, 2017, , 299-306.	0.4	0
107	Improving Fleet Solution â€" A Case Study. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 41-52.	0.2	0
108	Understanding Spatiotemporal Station and Trip Activity Patterns in the Lisbon Bike-Sharing System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 16-34.	0.2	0

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109	KC-PLM. , 2009, , 886-900.		0
110	Towards an Academic Social Network for Bologna Process. , 2010, , 151-156.		0
111	ELECTRIC VEHICLE ROUTE RECOMMENDER SYSTEM. , 2012, , .		0
112	Integra System. , 2013, , .		0
113	New Opportunities and Perspectives for the Electric Vehicle Operation in Smart Grids and Smart Homes Scenarios. , 2017, , .		0
114	Towards Activity Theory - Preliminary Report: Ambient Intelligence Applied to Smart Education. Advances in Intelligent Systems and Computing, 2017, , 630-639.	0.5	0
115	Fishing Monitor System Data: A Naïve Bayes Approach. Advances in Intelligent Systems and Computing, 2017, , 582-591.	0.5	0
116	Find_Me: IoT Indoor Guidance System. Advances in Intelligent Systems and Computing, 2019, , 231-238.	0.5	0
117	Real Time Object Detection and Tracking. Advances in Intelligent Systems and Computing, 2019, , 129-137.	0.5	0
118	The Electric Vehicle in Smart Homes: A Review and Future Perspectives. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 3-17.	0.2	0
119	App Guidance for Parking Occupation Prediction. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 172-191.	0.2	0
120	The â€˜â€˜aftermathâ€™â€™ of Industry 4.0 in Small and Medium Enterprises. Lecture Notes in Computer Science, 2020, , 26-33.	1.0	0
121	Smart Auditorium: Development and Analysis of a Power and Environment Monitoring Platform. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 73-87.	0.2	0