

# Nicolas Sockeel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5111357/publications.pdf>

Version: 2024-02-01

15  
papers

157  
citations

1937685

4  
h-index

1872680

6  
g-index

15  
all docs

15  
docs citations

15  
times ranked

175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtual Inertia Emulator-Based Model Predictive Control for Grid Frequency Regulation Considering High Penetration of Inverter-Based Energy Storage System. IEEE Transactions on Sustainable Energy, 2020, 11, 2932-2939.	8.8	90
2	High-Fidelity Battery Model for Model Predictive Control Implemented into a Plug-In Hybrid Electric Vehicle. Batteries, 2017, 3, 13.	4.5	17
3	Sensitivity Analysis of the Battery Model for Model Predictive Control: Implementable to a Plug-In Hybrid Electric Vehicle. World Electric Vehicle Journal, 2018, 9, 45.	3.0	8
4	Passive Tracking of the Electrochemical Impedance of a Hybrid Electric Vehicle Battery and State of Charge Estimation through an Extended and Unscented Kalman Filter. Batteries, 2018, 4, 52.	4.5	8
5	Sensitivity analysis of the battery model for model predictive control implemented into a plug-in hybrid electric vehicle. , 2017, , .		5
6	Pareto Front Analysis of the Objective Function in Model Predictive Control Based Power Management System of a Plug-in Hybrid Electric Vehicle. , 2018, , .		5
7	Sensitivity Analysis of the Vehicle Model Mass for Model Predictive Control Based Power Management System of a Plug-in Hybrid Electric Vehicle. , 2018, , .		5
8	Impact of the State of Charge Estimation on Model Predictive Control Performance in a Plug-In Hybrid Electric Vehicle Accounting for Equivalent Fuel Consumption and Battery Capacity Fade. , 2019, , .		5
9	Supervisory Energy Management in Hybrid AC-DC Microgrids Based on a Hybrid Distributed Algorithm. , 2020, , .		4
10	Economic Analysis of High-Longevity Battery Capacity Fades for Electric Vehicles Supercharger Buffering Application. IEEE Transactions on Transportation Electrification, 2020, 6, 995-1002.	7.8	4
11	An Experiment-Based Methodology for Evaluating the Impacts of Full Bandwidth Load on the Hybrid Energy Storage System for Electrified Vehicles. Sci, 2019, 1, 3.	3.0	2
12	Evaluation of a cell balancing circuit for a new type of high-power density energy storage system. , 2020, , .		2
13	Comparative economic analysis between LTO and C-ion energy storage system for electric vehicles ultra-fast charger buffering application. , 2021, , .		1
14	Using Electric Water Heater Tanks as an Energy Storage Solution to Solve the Duck Curve Issue. , 2021, , .		1
15	Techno-Economic Study of Marine Hydrokinetic Turbines for Electricity Production over the US Gulf stream. , 2022, , .		0