

# Tedjani Mesbahi

## List of Publications by Year in descending order

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12  
papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical modeling of Li-ion batteries for electric vehicle applications based on hybrid Particle Swarm Nelder-Mead (PSO-NM) optimization algorithm. Electric Power Systems Research, 2016, 131, 195-204.	3.6	71
2	Combined Optimal Sizing and Control of Li-Ion Battery/Supercapacitor Embedded Power Supply Using Hybrid Particle Swarm Nelder-Mead Algorithm. IEEE Transactions on Sustainable Energy, 2017, 8, 59-73.	8.8	60
3	Dynamic Model of Li-Ion Batteries Incorporating Electrothermal and Ageing Aspects for Electric Vehicle Applications. IEEE Transactions on Industrial Electronics, 2018, 65, 1298-1305.	7.9	60
4	A stand-alone wind power supply with a Li-ion battery energy storage system. Renewable and Sustainable Energy Reviews, 2014, 40, 204-213.	16.4	50
5	Optimal Energy Management For a Li-Ion Battery/Supercapacitor Hybrid Energy Storage System Based on Particle Swarm Optimization Incorporating Nelder-Mead Simplex Approach. IEEE Transactions on Intelligent Vehicles, 2017, , 1-1.	12.7	45
6	Advanced Model of Hybrid Energy Storage System Integrating Lithium-Ion Battery and Supercapacitor for Electric Vehicle Applications. IEEE Transactions on Industrial Electronics, 2021, 68, 3962-3972.	7.9	39
7	Optimal Adaptive Gain LQR-Based Energy Management Strategy for Battery-Supercapacitor Hybrid Power System. Energies, 2021, 14, 1660.	3.1	24
8	Dynamical modelling and emulation of Li-ion batteries-supercapacitors hybrid power supply for electric vehicle applications. IET Electrical Systems in Transportation, 2017, 7, 161-169.	2.4	23
9	Sizing of Lithium-Ion Battery/Supercapacitor Hybrid Energy Storage System for Forklift Vehicle. Energies, 2020, 13, 4518.	3.1	21
10	Coupled electro-thermal modeling of lithium-ion batteries for electric vehicle application. Journal of Energy Storage, 2021, 35, 102260.	8.1	21
11	Aging of high power Li-ion cells during real use of electric vehicles. IET Electrical Systems in Transportation, 2017, 7, 14-22.	2.4	13
12	Lithium-Ion Battery Parameter Identification for Hybrid and Electric Vehicles Using Drive Cycle Data. Energies, 2022, 15, 4005.	3.1	6