

Jean-Yves Gauthier

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

126
citations

1478505

6
h-index

1281871

11
g-index

16
all docs

16
docs citations

16
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Hamiltonian modelling of magnetic shape memory alloy based actuators. Sensors and Actuators A: Physical, 2008, 141, 536-547.	4.1	33
2	Structural vibration control by synchronized switch damping energy transfer. Journal of Sound and Vibration, 2011, 330, 49-60.	3.9	22
3	Magneto-thermo-mechanical modeling of a Magnetic Shape Memory Alloy Ni-Mn-Ga single crystal. Annals of Solid and Structural Mechanics, 2011, 2, 19-31.	0.5	9
4	Optimal control allocation for the parallel interconnection of buck converters. Control Engineering Practice, 2021, 109, 104727.	5.5	9
5	Modeling, Control, and Experimental Evaluation of Multifunctional Converter System. IEEE Transactions on Industrial Electronics, 2021, 68, 7747-7756.	7.9	8
6	Innovative Fault-Tolerant Three-Phase SPMSM Drive Without Split Capacitors, Auxiliary Legs, or TRIACs. IEEE Transactions on Power Electronics, 2021, 36, 8128-8140.	7.9	8
7	Differential Flatness-Based, Full-Order Nonlinear Control of a Modular Multilevel Converter (MMC). IEEE Transactions on Control Systems Technology, 2022, 30, 547-557.	5.2	7
8	New Framework for Optimal Current Sharing of Nonidentical Parallel Buck Converters. IEEE Transactions on Control Systems Technology, 2019, 27, 1237-1243.	5.2	6
9	Observability measurement and control strategy for induction machine sensorless drive in traction applications. IFAC-PapersOnLine, 2017, 50, 15773-15779.	0.9	4
10	Neutral Point Supply Scheme for PMSM Drive to Boost DC Voltage. , 2019, , .		4
11	Hamiltonian Point of View on Parallel Interconnection of Buck Converters. IEEE Transactions on Control Systems Technology, 2021, 29, 43-52.	5.2	4
12	Voltage Boost by Neutral Point Supply of AC Machine. Lecture Notes in Electrical Engineering, 2020, , 243-256.	0.4	4
13	Estimation of inverter voltage disturbances for induction machine drive using LPV observer with convex optimization. Mathematics and Computers in Simulation, 2021, 184, 196-209.	4.4	3
14	Cost-Efficient Fault-Tolerant Scheme for Three-Phase Surface-Mounted Permanent Magnet Synchronous Machines Fed by Multifunctional Converter System Under Open-Phase Faults. IEEE Transactions on Industrial Electronics, 2022, 69, 5502-5513.	7.9	3
15	Dynamical Model of Residual Magnetism for Synchronous Reluctance Machine Control. IEEE Transactions on Industrial Electronics, 2022, 69, 10926-10934.	7.9	2
16	A Composite Converter with Reduced Power Electronics for Electric Powertrain Applications. , 2021, , .		0