

# Jelena Loncarski

## List of Publications by Year in descending order

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28  
papers

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citations

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29  
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docs citations

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times ranked

475  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning approach for Predictive Maintenance in Industry 4.0. , 2018, , .		123
2	Analysis and Comparison of Peak-to-Peak Current Ripple in Two-Level and Multilevel PWM Inverters. IEEE Transactions on Industrial Electronics, 2015, 62, 2721-2730.	7.9	102
3	Machine learning-based design support system for the prediction of heterogeneous machine parameters in industry 4.0. Expert Systems With Applications, 2020, 140, 112869.	7.6	61
4	Comparison of Output Current Ripple in Single and Dual Three-Phase Inverters for Electric Vehicle Motor Drives. Energies, 2015, 8, 3832-3848.	3.1	21
5	Effects of current ripple on dead-time distortion in three-phase voltage source inverters. , 2012, , .		20
6	Analytical evaluation of output current ripple amplitude in threeâ€phase threeâ€level inverters. IET Power Electronics, 2014, 7, 2258-2268.	2.1	20
7	Cyber Physical Systems for Industry 4.0: Towards Real Time Virtual Reality in Smart Manufacturing. Lecture Notes in Computer Science, 2018, , 422-434.	1.3	19
8	Comparison of peak-to-peak current ripple amplitude in multiphase PWM voltage source inverters. , 2013, , .		17
9	Analytical and Simulation Fair Comparison of Three Level Si IGBT Based NPC Topologies and Two Level SiC MOSFET Based Topology for High Speed Drives. Energies, 2019, 12, 4571.	3.1	17
10	Analysis of Peak-to-Peak Current Ripple Amplitude in Seven-Phase PWM Voltage Source Inverters. Energies, 2013, 6, 4429-4447.	3.1	13
11	Simplified implementation of optimised carrierâ€based PWM in threeâ€level inverters. Electronics Letters, 2014, 50, 631-633.	1.0	13
12	SiC-MOSFET and Si-IGBT-Based dc-dc Interleaved Converters for EV Chargers: Approach for Efficiency Comparison with Minimum Switching Losses Based on Complete Parasitic Modeling. Energies, 2020, 13, 4585.	3.1	12
13	An Innovative Design Support System for Industry 4.0 Based on Machine Learning Approaches. , 2018, , .		10
14	Evaluation of current ripple amplitude in five-phase PWM voltage source inverters. , 2013, , .		8
15	Impact of PWM Voltage Waveforms in High-Speed Drives: A Survey on High-Frequency Motor Models and Partial Discharge Phenomenon. Energies, 2022, 15, 1406.	3.1	8
16	Operation analysis and comparison of Multilevel Si IGBT and 2-level SiC MOSFET inverter-based high-speed drives with long power cable. , 2019, , .		6
17	Efficiency, Cost and Volume Comparison of Si-IGBT Based T-NPC and 2-Level SiC-MOSFET Based Topology With dv/dt Filter for High Speed Drives. , 2020, , .		6
18	Impact of a Stationary Energy Storage System in a DC Trolleybus Network. , 2022, , .		5

#	ARTICLE	IF	CITATIONS
19	Analysis and Minimization of Output Current Ripple for Discontinuous Pulse-Width Modulation Techniques in Three-Phase Inverters. <i>Energies</i> , 2016, 9, 380.	3.1	4
20	Operation Analysis and Comparison of T-type NPC Si IGBT and SiC MOSFET Inverter-Based Highspeed Drives. , 2019, , .		3
21	Overvoltage Mitigation Techniques for SiC-MOSFET based High-Speed Drives: Comparison of Active Gate Driver and Output dv/dt Filter. , 2021, , .		2
22	Development of Power Electronics Based Test Platform for Characterization and Testing of Magnetocaloric Materials. <i>Advances in Electrical Engineering</i> , 2015, 2015, 1-7.	1.1	1
23	DC-link stress analysis for the grid connection of point absorber type wave energy converters. , 2015, , .		1
24	Analysis of the Current Ripple in Three-Phase Two-Level VSIs. <i>Springer Theses</i> , 2014, , 5-31.	0.1	0
25	Examples of Application. <i>Springer Theses</i> , 2014, , 117-125.	0.1	0
26	Implementation of carrier-based optimized centered PWM in three-phase three-level inverters. , 2014, , .		0
27	Interconnection strategies of point absorber type wave energy converters and rectifier units. , 2018, , .		0
28	Heuristic Approach for Warehouse Resources and Production Planning Optimization: An Industry Case Study. , 2019, , .		0