Krystian Erwinski

List of Publications by Year
in descending order

16 papers	171 citations	1937685 4 h-index	1720034 7 g-index
16 all docs	16 docs citations	16 times ranked	90 citing authors

#	Article	IF	Citations
1	Application of Ethernet Powerlink for Communication in a Linux RTAI Open CNC system. IEEE Transactions on Industrial Electronics, 2013, 60, 628-636.	7.9	57
2	Energy Efficient Local Path Planning Algorithm Based on Predictive Artificial Potential Field. IEEE Access, 2022, 10, 39729-39742.	4.2	33
3	Neural network contour error predictor in CNC control systems. , 2016, , .		17
4	Optimal scheduling for palletizing task using robotic arm and artificial bee colony algorithm. Engineering Applications of Artificial Intelligence, 2022, 113, 104976.	8.1	17
5	Synchronization of Electrical Drives via EtherCAT Fieldbus Communication Modules. Energies, 2022, 15, 604.	3.1	13
6	PSO based feedrate optimization with contour error constraints for NURBS toolpaths. , 2016, , .		6
7	A state-space approach for control of NPC type 3-level sine wave inverter used in FOC PMSM drive. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2014, 62, 439-448.	0.8	5
8	Comparison of NURBS trajectory interpolation algorithms for high-speed motion control systems. , 2021, , .		5
9	Comparison of Constraint-handling Techniques Used in Artificial Bee Colony Algorithm for Auto-Tuning of State Feedback Speed Controller for PMSM. , 2018, , .		5
10	A Novel Sensitivity Analysis to Moment of Inertia and Load Variations for PMSM Drives. IEEE Transactions on Power Electronics, 2022, 37, 13299-13309.	7.9	4
11	Comparison of Constraint-handling Techniques Used in Artificial Bee Colony Algorithm for Auto-Tuning of State Feedback Speed Controller for PMSM. , 2018, , .		3
12	Accelerating PSO based feedrate optimization for NURBS toolpaths using parallel computation with OpenMP. , 2017, , .		2
13	Flexible PC-based CNC machine control system. , 2018, , 299-303.	0.1	2
14	Neural Network Contour Error Prediction of a Bi-axial Linear Motor Positioning System. , 2019, , .		1
15	Feedrate Planning for a Delta Parallel Kinematics Numerically Controlled Machine using NURBS Toolpaths. , 2022, , .		1
16	Laboratory stand for multi-axis control of stepper drives via EtherCAT fieldbus. IOP Conference Series: Materials Science and Engineering, 2021, 1140, 012021.	0.6	0