قائمة بأبحاث قسم هندسة القوي والآلات الكهربية لعام ٢٠١٤

No.	Authors - المؤلفون	Article Title - عنوان المقالة	Publication place مكان النشر-
Year 2014 publications			
1	Sheriff M. Dabour, S. M. Allam and Essam M. Rashad	Space Vector PWM Technique for Three-to-Seven-Phase Matrix Converters	MEPCON Cairo, Egypt
2	Nabil A. Hussein, Ayman A. Eisa, Safey A. Shehata and Essam Eddin M. Rashad	Impact of Changing Inter-line Power Flow Controller Parameters on the Power System	MEPCON Cairo, Egypt
3	Fatma A. Khera and Essam Eddin M. Rashad	Performance Analysis of Z-Source Inverter Considering Components Non-Idealities	MEPCON Cairo, Egypt
4	Hany A. Abdelsalam, Abdelsalam Ahmed, Almoataz Y. Abdelaziz	Utilizing the Grid-Connected Photovoltaic System for Reducing Transformer Inrush Current	MEPCON Cairo, Egypt
5	Abdelsalam Ahmed, An Quntao and Sun Li	DSP-Based Implementation of Permanent Magnet Synchronous Motor Drives for EV/HEV Application	MEPCON Cairo, Egypt
6	Sherif M. Imam, Ahmed M. Azmy and E. Rashad	Sizing and Economic Analysis of Standalone PV Systems for Residential Utilization	MEPCON Cairo, Egypt
7	Ahmed M. Omara, Mohamed K. El-Nemr and Essam M. Rashad	Cost Effective Real Time Embedded Control System for Interior Permanent Magnet Synchronous Motors	MEPCON Cairo, Egypt
8	Sherif Imam, Ahmed Azmy, Essam Rashad, and Geza Husi	Assessing the Effect of Design Parameters on Optimal Size of Isolated PV Systems for Residential Utilizations	IEEE/SICE Tokyo, Japan
9	S. M. Dabour and E. M. Rashad	A new continuous PWM strategy for three-phase direct matrix converter using indirect equivalent topology	PEMD Manchester, UK

10	W. S. Sakr, Ragab A. El-Sehiemy and Ahmed M. Azmy	Efficient Reactive Power Management via Enhanced Differential Evolution Algorithm with Adaptive Penalty Factor	INFOMESR Cairo, Egypt
11	Eman G. Atiya, Diaa-Eldin A. Mansour, Ahmed M. Azmy and Reham M. Khattab	Enhanced Dielectric Properties of Transformer Oil Using TiO_2 Nanoparticles with Surfactant	MEPCON Cairo, Egypt
12	F. M. Abo-Shady, M. A. Alaam and Ahmed M. Azmy	Sequence Components-Based Fault Location Technique for Distribution Systems Considering Time Varying Loads	MEPCON Cairo, Egypt
13	A.S. Zalhaf, Ayman hoballah and Ahmed M. Azmy	Impact of Large Penetration of Wind Energy on the Performance of Electric Power Systems	MEPCON Cairo, Egypt
14	Sherif Imam and Ahmed M. Azmy	Sizing and Economic Analysis of Standalone PEM Fuel Cell Systems for Residential Utilization	EEMC Debrecen, Hungary
15	D. A. Mansour	Effect of Fault Resistance on the Behavior of Superconducting Fault Current Limiter in Power Systems	PECon Kuching, Malaysia
16	D. A. Mansour and A. M. Elsaeed	Heat Transfer Properties of Transformer Oil-based Nanofluids Filled with Al_2O_3 Nanoparticles	PECon Kuching, Malaysia
17	S. M. Allam	Design and Dynamic Analysis of an Axially-Laminated Self-Starting Synchronous Reluctance Motor	MEPCON Cairo, Egypt
18	Ragab A. El-Sehiemy, Muhammad B. Shafiq and Ahmed M. Azmy	Multi-phase search optimisation algorithm for constrained optimal power flow problem	International Journal of Bio-Inspired Computation, Vol. 6, No. 4

19	A.A. Abd El Monem, Ahmed M. Azmy, S.A. Mahmoud	Effect of process parameters on the dynamic behavior of polymer electrolyte membrane fuel cells for electric vehicle applications	Ain Shams Engineering Journal, Vol. 5, Iss. 1
20	A. Kamel, M. A. Alaam, Ahmed M. Azmy and A. Y. Abdelaziz	Protection Coordination for Distribution Systems in Presence of Distributed Generators	Electric Power Components & Sys. Vol. 41, Iss. 15, pp. 1555-1566
21	Ashraf I. EL-Alem1, Ahmed M. Azmy and A. Hosam-Eldin	Design of a Cathodic Protection System to Prevent Corrosion of Metallic Structures using Hybrid Renewable Energy Sources	Engineering Research Journal, Vol. 36, No. 3, ISSN 1110-1180
22	A.A. Abd El Monem, Ahmed M. Azmy, S.A. Mahmoud	Effect of process parameters on the dynamic behavior of polymer electrolyte membrane fuel cells for electric vehicle applications	Ain Shams Engineering Journal
23	M. Kamel, Ahmed M. Azmy, A. Abou El-Ela Ahmed I.A.Shobair	Optimal Management and Operation of a Hybrid Energy System Based on Wind Energy Units	Journal of Electrical Systems, Vol. 9, Iss. 2, pp. 191-202
24	Ahmed Kamel, M. A. Alaam, Ahmed M. Azmy and A. Y. Abdelaziz	Protection Coordination of Distribution Systems Equipped with Distributed Generations	Elect. and Electronics Eng. Journal (ELELIJ) Vol 2, No 2, pp. 1-13
25	F. Selim, Ahmed M. Azmy, H. El Desuoki	Economic Investigation of High Quality Thermal Inspections	Journal of Electrical Systems Vol. 9, Iss. 1, pp. 39-51

26	M. E. Elshiekh, D.E.A. Mansour and Ahmed M. Azmy	Improving Fault Ride-Through Capability of DFIG-Based Wind Turbine Using Superconducting Fault Current Limiter	IEEE Trans. on Applied Superconductivity, Vol. 23, Iss. 3, pp. 5601204
27	M. Nabil, S. M. Allam and E. M. Rashad	Performance Improvement of a Photovoltaic Pumping System Using a Synchronous Reluctance Motor	Electric Power Components and Systems, Vol. 41, Iss. 4, pp. 447-464.
28	A. Abaza and Ahmed M. Azmy	Demand-side management-based dynamic pricing within smart grid environment	13th IEEE Int. Con. on Smart Energy Grid Eng. (SEGE) UOIT, Oshawa, Canada
29	F. M. Abo-Shady, M. A. Alaam and Ahmed M. Azmy	Impedance-Based Fault Location Technique for Distribution Systems in Presence of Distributed Generation	13th IEEE Int. Con. on Smart Energy Grid Eng. (SEGE) UOIT, Oshawa, Canada
30	I. Bedir, Abd El-wahab Hassan, Essam M. Rashad, and S. A. Mahmoud	Five-level Inverter Fed Five-phase Induction Motor Drive	Engineering Research Journal (ERJ) Vol. 36, No. 3, pp 217-223
31	Ahmed M. Omara, Mohamed K. El-Nemr and Essam M. Rashad	Real Time Implementation of High Performance Closed Loop Embedded Control System for Interior Permanent Magnet Motors	Int. Con. on Elec. Machines and Sys. Busan, Korea

32	Fatma A. Khera and Essam Eddin M. Rashad	Performance Analysis of Z-Source Inverter Considering Inductor Resistance	Innovations in Energy, Power and Elec. Machines Con. (IEPEM) Istanbul, Turkey
33	Ahmed M. Omara, Mohamed K. El-Nemr and Essam M. Rashad	Implementation of Real Time Embedded Control System for Interior Permanent Magnet Motors	Innovations in Energy, Power and Elec. Machines Con. (IEPEM) Istanbul, Turkey