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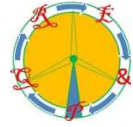
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460	Trigeneration for domestic purposes in isolated areas based on hybrid RES L. Acevedo(1), J. Uche(1), A. Martinez(1), A.A. Bayod-Rújula(2), A. Del-Amo(3) 1. Energy and Environmental Technologies Area. CIRCE Research Institute Zaragoza. Spain 2. Department of Electrical Engineering. Zaragoza. Spain 3. ENDEF Company. Zaragoza. Spain
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461	Profitable small-scale renewable energy systems in agrifood industry and rural areas: demonstration in the wine sector José L. Bernal-Agustín(1), Rodolfo Dufo-López(1), Javier Carroquino-Oñate(1), Jesús S. Artal-Sevil(1), José A. Domínguez-Navarro(1), Ángel A. Bayod-Rújula(1), Jesús Yago-Loscos(2) 1. Department of Electrical Engineering. EINA. Zaragoza University. Spain 2. Intergia energía sostenible S.L. Zaragoza. Spain
	PP:778-783
463	Analysis of the Energy Transmission System Performance after the use of Linear Reactor and Saturated Reactors for Voltage Regulation A. B. Vasconcellos(1), T.I.R.C. Malheiro(2), I.M. Faria(1), G.N.Lopes(1), V.H.F. Brito(1) 1. Federal University of Mato Grosso (UFMT), Electrical Engineering Department – Cuiabá. Brazil 2. Federal Institution of Education, Science and Technology of Mato Grosso – I

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466	Design of an Appliance Switch Responding to Solar Energy Ambalika Pradip Koshti, Arthur Williams Department of Electronics and Electrical Engineering. University of Nottingham. United Kingdom
	PP:791-796
467	Analysis of the Advanced Static Var Compensator Performance using ATPDraw R.M. Martins(1), W. K. A. G. Martins(2), V. H. F. Brito(2), I. M. Faria(2), B. M. Giancesini(2), R. R. Dias(2) 1. Federal Institute of education, Science and Technology of Mato Grosso, IFMT, Cuiabá. Brazil 2. Electrical Engineering Department. Federal University of Mato Grosso (UFMT) Cuiabá. Brazil
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469	Impact of overhead line parameters on the short-term voltage stability and its mitigation devices J.C. del-Pino-López, M. Tostado-Véliz, P. Cruz-Romero Escuela Técnica Superior de Ingeniería. University of Seville. Spain
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470	A comparative assessment of different alternatives to repower transmission corridors for the future supergrid M. Borau-Rumbao, P. Cruz-Romero, A. de-la-Villa-Jaén Department of Electrical Engineering. Escuela Técnica Superior de Ingeniería, Universidad de Sevilla. Spain
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	PP:813-818
473	Analysis of the Impact of the Crowbar Protection on Short-Circuit Level and Quality Index Piedy del Mar Agamez Arias(1,2), Marcus Vinicius Alves Nunes(1) 1. Tecnology Institute ITEC - Department of Electrical Engineering. Federal do Pará University, Guamá. Brazil 2. INESC TEC-Institutode Engenharia de Sistemas e Computadores. University of Porto. Portugal
	PP:819-824
475	Isolated operation of wind energy system in critical micro-grid A. Peña Asensio, M. Garcia-Plaza, S. Arnaltes Gómez, J.L. Rodriguez-Amenedo, J. Eloy-Garcia Carrasco, J. Alonso-Martinez Department of Electrical Engineering, Carlos III University, Leganes. Madrid. Spain

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485	From Time-to-Frequency Domain SMPS Model for Aggregated Harmonic Estimation Gabriel Malagon-Carvajal, Jeisson Bello-Penay, Gabriel Ordonez-Plataz, Cesar Duartex Department of Electric, Electronic and Telecommunications Engineering Universidad Industrial de Santander. Bucaramanga. Colombia
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	PP:837-841
490	Approach to the Modeling of LDO-Assisted DC-DC Voltage Linear Regulators Nasima Sedaghati, Herminio Martínez-García, Jordi Cosp-vilella Eastern Barcelona School of Engineering (Escuela de Ingeniería de Barcelona Este – EEBE). Department of Electronics Engineering. Technical University of Catalonia (UPC). BarcelonaTech. Spain
	PP:842-846
491	Course on Renewable Energies for Energy Engineering Students in the Framework of the European Higher Education Area (EHEA) Herminio Martínez-García, Jordi Cosp-Vilella Eastern Barcelona School of Engineering (Escuela de Ingeniería de Barcelona Este – EEBE). Department of Electronics Engineering. Technical University of Catalonia (UPC). BarcelonaTech. Spain
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493	Compensation of Voltage Harmonics for LCL-filtered Inverters in Islanded Microgrids R. Ghanizadeh(1), M. Ebadian(1), G. B. Gharehpetian(2) 1. Department of Electrical and Computer Engineering, University of Birjand. Iran B 2. Electrical Engineering Department, Amirkabir University of Technology, Tehran. Iran
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495	Intelligent Transmitter of Field (ITF) Based on Microcontroller for Data Acquisition in PV Solar Plants Herminio Martínez-García, Encarna García-Vílchez Eastern Barcelona School of Engineering (Escuela de Ingeniería de Barcelona Este – EEBE). Department of Electronics Engineering. Technical University of Catalonia (UPC). BarcelonaTech. Spain

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497	<p>Forklifts, Automated Guided Vehicles and Horizontal Order Pickers in Industrial Environments. Energy Management of an Active Hybrid Power System based on Batteries, PEM Fuel Cells and Ultracapacitors</p> <p>J.S. Artal-Sevil, J.L. Bernal-Agustín, R. Dufo-López, J.A. Domínguez-Navarro Department of Electrical Engineering. EINA Escuela de Ingeniería y Arquitectura. University of Zaragoza. Spain</p>
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501	<p>Nonlinear Control Structure of Grid Connected Modular Multilevel Converters</p> <p>A. Hajizadeh(1), L.E.Norum(2), A. Ahadpour Shal(3) 1. Department of Energy Technology, Aalborg University. Denmark 2. Department of Electrical Power Engineering. Norwegian University of Science And Technology. Trondheim. Norway 3. Faculty of Electrical Engineering and Information Technology. RWTH-Aachen University. Germany</p>
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504	<p>The Impact of the Air-Conditioning Systems on the Urban Microclimate of Beirut City</p> <p>Z. Ghaddar, K. Ghali, N. Ghaddar Department of Mechanical Engineering. FEA, American University of Beirut. Lebanon</p>
	PP:886-892
505	<p>Optmisation of bipolar plate through computational fluid dynamic simulation and modelling using nickle open pore cellular foam material</p> <p>Tabbi Wilberforce(1), Ahmed Al Makky(1), A. Baroutaji(2), Rubal Sambhi(1), A. G. Olabi(1) 1. Institute of Engineering and Energy Technologies, University of the West of Scotland. United Kingdom 2. Cork Institute of Technology, Department of Process, Energy and Transport</p>

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