

Selected papers for publication in journals



ID	Title	List of authors	Main topic	Recommended for journal publication
25	Experimental study of the combustion of olive mill solid wastes pellets in a fixed bed reactor	Mohamed Ali Mami, Hartmut Mätzing, Hans-Joachim Gehrman, Dieter Stapf, Rainer Bolduan, Marzouk Lajili	HYBIO: Biomass Energy	Energies
122	Characterisation of bio-oil and gas from the pyrolysis of several biomass sources in Algeria	Nourelhouda Boukaous, Lokmane Abdelouhed, Chetna Mohabeer, Abdeslam-Hassen Meniai, Mustapha Chikhi, Bechara Taouk Bechara Taouk	HYBIO: Biomass Energy	Energies
140	Coconut shells valorization for biogas purification	Amna abdeljaoued, N Querejeta, N Álvarez-Gutiérrez, C Pevida, I Durán, Mohamed Hachemi Chahbani	HYBIO: Biomass Energy	Energies
160	Alkaline and alkaline earth metals (AAEM) impact on the gasification of lignocellulose-derived chars	Khouloud Haddad, Mejdı Jeguirim, Lionel Limousy, Simona Bennici	HYBIO: Biomass Energy	Energies
204	Interactions and Interferences of Cu, Cr and As During Contaminated Waste Wood Gasification: A Thermodynamic Equilibrium Study	Shurooq Al-Badri, Ying Jiang, Stuart Wagland	HYBIO: Biomass Energy	Energies
21	Current dependence of series and shunt resistances of solar cells	MEHREZ LOULOU, MOHAMED KHALIL AL TURKESTANI, NABIHA BRAHMI, MAHDI ABDELKRIM	SOLEN: Photovoltaic Energy	IJEOE
37	Control Design and Experimental Set-Up for a High-Power PV Generator Emulator	Manelle HASNAOUI, Afef BENANI-BEN ABDELGHANI, Ilhem SLAMA-BELKHODJA	SOLEN: Photovoltaic Energy	IJEOE
51	PMSM DTC Drive System Fed by Fault-Tolerant Inverter Connected to a Photovoltaic Source	moez abassi, oussama saadaoui, imen tllili, omar khlaief, abdelkader chaari, mohamed boussak	SOLEN: Photovoltaic Energy	IJEOE
74	Nanoindentation and AFM characterization of lithium-doped ZnO sprayed thin films	Mohamed Salah, Samir Azizi, Chokri Khaldi, Jilani Lamloumi	SOLEN: Photovoltaic Energy	IJEOE
87	Fault Diagnosis in a Photovoltaic system through I-V Characteristics Analysis	Salima SARIKH, Mustapha RAOUFI, Amin BENNOUNA, Ahmed BENLARBI, Badr IKKEN	SOLEN: Photovoltaic Energy	IJEOE
100	Design and Analysis of Hydroelectric Generation using Waterwheel as Renewable Energy Source	Jamal Hameed, Amer Saeed, Mugdad Rajab	HYBIO: Other Sources (Hydro, Geothermal, etc)	IJEOE
110	Optimal Sizing of Capacitor Banks in the Low Voltage Distribution Networks Using JAYA Algorithm	Walid Helmy, Mohamed Abbas	ESMAT: Energy Storage	IJEOE
161	Challenges and upscale in thermochemical energy storage: applications and perspectives	Simona Bennici, Patrick Dutournié	ESMAT: Energy Storage	IJEOE
169	COMPARISON OF EXPERIMENTALLY OBTAINED I-V CURVES OF DIFFERENT PV MODULES	Fatih Onur Hocaoglu, Fatih Serttas, Melih Kurekci, Emre Akarlan, Said Mahmut Cinar, Rasim Dogan, Ahmet Yonetken	SOLEN: Photovoltaic Energy	IJEOE
178	Plasmonically-enhanced absorption in organic solar cells with metal nanostructures	Md Zahurul Islam, Farjana Snigdha, Md. Sadique Hasan	SOLEN: Photovoltaic Energy	IJEOE

193	Comparative Study of Different Variants of Direct Torque Control Applied to Induction Motor	aberkane hesna, sakri djamel, rahem djamel	ESMAT: Energy Transmission	IJEOE
200	Optimal Solar Collectors Defocusing Based on Maximum Temperature	Tiago de Araújo Elias, Paulo Renato Costa Mendes, Júlio Elias Normey-Rico, Carlos Bordons Alba	SOLEN: Solar Thermal Energy	IJEOE
220	Fault Tolerant Control of Permanent Magnet Synchronous Motor Traction Module	Mongi Moujahed, Mondher Hajji, Hechmi Ben Azza, Mohamed Jemli, Mohamed Boussak	ESMAT: Energy Transmission	IJEOE

254	DC bus voltage instability detection and stabilization under Constant Power Load variation	Sonia Moussa, Manel Jebali-Ben Ghorbal, Ilhem Slama-Belkhdja, Jean-Philippe Martin, Serge Pierfederici	SGMSD: Micro-grids	IJEOE
258	Original power supply switching algorithm for PV/Battery/Grid installation	Imen Guidara, Sana Charfi, Maher Chaabene	ESMAT: Energy Management	IJEOE
261	Improved fast Particle Swarm Optimization based PV MPPT	Manel Merchaoui, Anis Sakly, Mohamed Faouzi Mimouni	SOLEN: Photovoltaic Energy	IJEOE
269	Numerical and Experimental Investigations of Heat Exchanges in Heated Buildings	Sahlaoui Kamel, Tabarki Mounir, Ben Mabrouk Slah	ESMAT: Energy Management	IJEOE
280	Modeling CSRR and OCSR loaded transmission line by Bond Graph Approach Methodology	Islem Salem, Hichem Taghouti, Abdelkader Mami	ESMAT: Energy Management	IJEOE
283	Optimization of UNIQUAC Interaction Parameters for Absorption Refrigeration Machine Working Fluids	Ilhem Louaer, Nardjess Bounab, Abdeslam-Hassen Meniai	SGMSD: Sustainable Development	IJEOE
23	Effects of H ₂ O on Gasification of Biofuels Pellets Blended from Olive Mill Solid Wastes and Pine Sawdust	Marwa Zribi, Francisco Javier Escudero Sanz, Marzouk Lajili	HYBIO: Biomass Energy	IJHE
90	A review on the main fuel cell and energy cogeneration	Stéfani Vanussi Melo Guaitolini, Imene Yahyaoui, Jussara Farias Fardin, Lucas Frizera Encarnação, Fernando Tadeo	HYBIO: Hydrogen Energy	IJHE
96	Structural and electrochemical characterization of new co-doped spinel ferrite nanomaterial used as negative electrode in Ni/MH battery	Wissem Zayani, Samir Azizi, Karam S.El-Nasser, Ibraheem Othman Ali, Hamadi Mathlouthi	HYBIO: Hydrogen Energy	IJHE
111	Dispatchable Hydrogen production by multiple electrolyzers to provide clean fuel and responsive demand in Libya	Abdulla Rahil, Rupert Gammon, Neil Brown	HYBIO: Hydrogen Energy	IJHE
199	EIS study of MH negative electrode/electrolyte interface during repetitive galvanostatic charge and discharge	Yassine Ben Belgacem, Chokri Khaldi, Jilani Lamloumi	HYBIO: Hydrogen Energy	IJHE
201	Kinetics and corrosion properties of the LaY ₂ Ni ₉ alloy used as anode for nickel-metal hydride batteries	Majdi Lahsini, Yassine Ben Belgacem, Chokri Khaldi, Jilani Lamloumi	HYBIO: Hydrogen Energy	IJHE
229	Modeling and control of a dc-dc resonant converter interfacing fuel cell in electric vehicle	Farhani Slah, Faouzi Bacha	HYBIO: Hydrogen Energy	IJHE
245	Fault-Tolerant Control Experimental Validation of a Six-Phase Interleaved Mirror DC-DC Boost for Fuel Cell Applications	Farid KHOUCHA, Hamza ALLOUI, Boualem YAGOUBI, Mohamed Benbouzid	HYBIO: Hydrogen Energy	IJHE
255	An improved open cathode proton exchange membrane fuel cell control ensuring a simultaneous regulation of temperature and air flow	chaima mahjoubi, Sondes Skander Mustapha, Jean Christophe Olivier, Ilhem Slama Belkhdja, Mohamed Machmoum	HYBIO: Hydrogen Energy	IJHE

282	Effect of inter-catalytic layer spacing at Wall-Coated Steam Methane Reformer surfaces on hydrogen production	Abdelhakim SETTAR, Rachid NEBBALI, Brahim MADANI, Said ABOUDI	HYBIO: Hydrogen Energy	IJHE
290	Effect of Plasma Nitriding on AISI 304 Stainless Steel Surface Electrochemical Properties and Hydrogen Evolution Rate	Shrok Allami, Mutawer Redah	HYBIO: Hydrogen Energy	IJHE
302	Synthesis and Characterization of Sulfonylimide based Poly(arylene ether sulfone) Copolymers for Proton-Exchange Membrane	Sabuj Chandra Sutradhar, Faiz Ahmed, Taewook Ryu, Hanmo Yang, Sujin Yoon, Seungchan Lee, Inhwan Choi, Whangi Kim	HYBIO: Hydrogen Energy	IJHE
311	Thermodynamic analysis of sulfuric acid production unit	Fathia HAFDHI, Tahar KHIR	SOLEN: Solar Thermal Energy	IJHE
18	Static Analysis for Voltage Stability of the Northern Jordanian Power System	Mohammad Hammad, Ahmad Harb	ESMAT: Energy Transmission	IJRED
56	Backstepping Control of a PMSG-based Marine Current Turbine System under Faulty Conditions	Sana Toumi, Yassine Amirat, Mohamed Traelsi, Elhoussein Elbouchikhi, Mohamed Faouzi Mimouni, Mohamed Benbouzid	HYBIO: Other Sources (Hydro, Geothermal, etc)	IJRED
78	Model-based Analysis of the Performance and the Environmental Impact of Solar Thermal and Heat Pump Systems	Danny Jonas, Georg Frey	SOLEN: Solar Thermal Energy	IJRED
84	Photovoltaic as a Promising Solution for Peak Demands and Energy Cost Reduction in Jordan	Mutaz Al Shafeey, Ahmad Harb	SOLEN: Photovoltaic Energy	IJRED
92	Moroccan natural phosphate as promising new material for thermal energy storage	Nawal SEMLAL, Driss DHIBA, Rachid BOULIF, Abdoul Razac SANE, Doan PHAM MINH, Ange NZIHOU	ESMAT: Energy Storage	IJRED
135	Electrochemical Impedance Spectroscopy State of Charge Measurement for Batteries using Power Converter Modulation	Shady Gadoue, Kuan-Wen Chen, Paul Mitcheson, Vladimir Yufit, Nigel Brandon	ESMAT: Energy Storage	IJRED
144	Battery Management System in Isolated Microgrids Considering Forecast Uncertainty	Mohammed Hijjo, Georg Frey	ESMAT: Energy Management	IJRED
149	Stability of the Jordanian Electrical System in the Presence of Intermittent Renewable Resources	Emad Abu Lehyeh, Ismail Hinti, Ahmad Harb, Qais Safasfeh	ESMAT: Energy Transmission	IJRED
174	A review on Home Energy Management Systems	Azer ZAIRI, Maher Chaabene	ESMAT: Energy Management	IJRED
202	Monitoring a maximum power point tracking photovoltaic pumping system	Chighali Ould Ehssein, Abdellahi Ba, Ne Ould Dah, Mamadou Ibrahima Lam, Diakité Amadou, Aroudam El Hassan	SOLEN: Photovoltaic Energy	IJRED
206	New model to estimate monthly global solar radiation from air temperature in Algeria	Razika Ihaddadene, Nabila Ihaddadene, Mohamed Salemi, Abdel Hadi Beridja	SOLEN: Solar Thermal Energy	IJRED
217	On-Line Adaptive Protection Scheme to Overcome Operational Variability of DG in Smart Grid Via Fuzzy Logic and Genetic Algorithm	Naser El Naily, Saad Saad, T Hussein, Khalil El-Arroudi, Faisal Mohamed	SGMSD: Smart-Grids	IJRED
218	Planning & Application of Distance Relays coordination For IEC Microgrid Considering Intermediate In-Feed Factor	Naser El Naily, Saad Saad, Reda Elsayed, Safaa Aomura, Faisal Mohamed	SGMSD: Micro-grids	IJRED
222	Study and simulation of an ejector-absorption cooling system using NH ₃ -H ₂ O	Nihel BenZid, Nejib Hajji	SOLEN: Solar Thermal Energy	IJRED

264	Fundamental Analysis of Synchronous Operation of Autonomous induction Generator	Mourad Selmi, Habib Rehaouia	ESMAT: Energy Transmission	IJRED
275	Analysis of a Flexible Single-Phase Multilevel Inverter Topology for Photovoltaic Applications	Manel Hammami, Marija Vujacic, Aleksandr. Viatkin, Gabriele Grandi	SOLEN: Photovoltaic Energy	IJRED
284	Techno-economic feasibility study of a hybrid Biomass/PV/Diesel/Battery system for powering the village of Imlil in High Atlas of Morocco	Hanane Benchraa, Abdelbari Redouane, Imad El Harraki, Abdennebi El Hasnaoui	SGMSD: Micro-grids	IJRED
28	Assessment of PV Systems Stability under Temperature Variation	Abdelaziz Saidi, Mushaf E. Mudwah, Khadija Ben Kilani	SOLEN: Photovoltaic Energy	IJRER
36	Partial Shading Effect Investigation on PV Performance Indicators	Asma Triki-Lahiani, Afef Bennani-Ben Abdelghani, Ilhem Slama-Belkhdja	SOLEN: Photovoltaic Energy	IJRER
39	Does Renewable Energy Consumption and Health Expenditure Decrease Carbon Dioxide Emissions? Evidence for sub-Saharan Africa Countries	Mehdi Ben Jebli, Nickolas Apergis	SGMSD: Sustainable Development	IJRER
63	Cutting oil emulsion treatment by electrocoagulation using aluminum and iron electrodes	Aida DERMOUCHI, Mosaab BENCHEIKH-LEHOCINE, Sihem ARRIS, Abdeslam-Hassen MENIAI, Narcis BARSAN, Nedeff VALENTIN	HYBIO: Hydrogen Energy	IJRER
86	Modeling the velocity of marine currents resources on a Moroccan coastal (Tarfaya) using SWAN model	SALMA HAZIM, Aissa BENAZZOZ, Abdellatif GHUENNIQUI, Mourad TAHA JANAN, Ahmed ELOUATOUATI, Bader IKKEN	HYBIO: Other Sources (Hydro, Geothermal, etc)	IJRER
94	Deployment of Smart Grid on Narrowband Power Line Communication using OFDMA	Adnan Yousaf, Fahad Khan, Zia Hameed	SGMSD: Smart-Grids	IJRER
225	Impact of the integration of phase change materials on the thermal behavior of the building envelope during the summer period of tunisia	Siwar Souguir, Nour Iajimi, Nouredine Boukadida	SOLEN: Solar Thermal Energy	IJRER
253	Efficient sizing and planning algorithm for photovoltaic-directwater parallel pumping	Anoir Souissi, Dalia Fendri, Maher Chaabene	SOLEN: Photovoltaic Energy	IJRER
259	Modeling Innovation Diffusion for Renewable Energy Technologies in City Neighborhoods	Sofiane Abbar, Ameni Boumaiza, Nassma Mohandes, Antonio Sanfilippo	SOLEN: Photovoltaic Energy	IJRER
263	Analysis of barriers related to implementation of a waste management policy in Sfax city using ISM method	leila kharrat, younes boujelbene	SGMSD: Sustainable Development	IJRER
294	Conventional Techniques for improving Emergency Control of Transient Stability in renewable-based power systems	G.Marco Tina, S. Licciardello, D. Stefanelli	ESMAT: Energy Management	IJRER
310	Thermoeconomic analysis of a double effect desalination unit	Fathia HAFDHI, Tahar KHIR	SOLEN: Solar Thermal Energy	IJRER
60	Solid's Solubility in Supercritical Fluids and Estimation of the Krichevskii Parameter	loubna nasri	SGMSD: Sustainable Development	IJRER
63	Cutting oil emulsion treatment by electrocoagulation using aluminum and iron electrodes	Aida DERMOUCHI, Mosaab BENCHEIKH-LEHOCINE, Sihem ARRIS, Abdeslam-Hassen MENIAI, Narcis BARSAN, Nedeff VALENTIN	HYBIO: Hydrogen Energy	IJRER
33	Load Analysis Effect on Grid Fault Emulator	Sondes Skander-Mustapha, Manel Jebali-Ben Ghorbal, Mansour Miladi, Ilhem Slama-Belkhdja	SGMSD: Micro-grids	SCS
38	Stability Analysis of PV-Based DC Microgrid with Communication Delay	Ashraf Khalil, Ali Ashiebi, A.M Elbreki, Zakaryia Rajab, Asma Alfergani, Adel Mohamed, Aiman Nouh	SGMSD: Micro-grids	SCS

42	An Optimized Proactive Over-Current Protection Scheme for Modern Distribution Grids Integrated With Distributed Generation Units	Saad Saad, Naser El Naily, Jamal Wafi, T Hussein, Faisal Mohamed	SGMSD: Smart-Grids	SCS
55	Feasibility study for the implantation of a photovoltaic generator in addition to the existing electricity supply in the village of Tarat (Illizi Algeria)	AHSEN MAHMOUDI, Djohra Saheb-Koussa, bouaziz mohamed najib	ESMAT: Energy Management	SCS
101	DC Voltage Level Choice in Residential Remote Area	Sonia Moussa, Manel Jebali-Ben Ghorbal, Ilhem Slama-Belkhdja	SGMSD: Micro-grids	SCS
115	Feasibility Analysis of a wind pumped hydroelectric storage system on the Island of Brava	Marco António do Rosário Santos Cruz, Imene Yahyaoui, Hélder Roberto de Oliveira Rocha, Marcelo E.V.Segatto, Ahmad Atieh	SGMSD: Micro-grids	SCS
168	The Electricity Demand Forecasting of a Micro Grid	Emre Akarlan, Fatih Onur Hocaoglu	SGMSD: Micro-grids	SCS
203	PV / DIESEL 1.3KW Hybrid Power Generation Performance System for Local House in Baghdad City	falah mustafa, Ali Allw	ESMAT: Energy Management	SCS
55	Feasibility study for the implantation of a photovoltaic generator in addition to the existing electricity supply in the village of Tarat (Illizi Algeria)	AHSEN MAHMOUDI, Djohra Saheb-Koussa, bouaziz mohamed najib	ESMAT: Energy Management	SCS
203	PV / DIESEL 1.3KW Hybrid Power Generation Performance System for Local House in Baghdad City	falah mustafa, Ali Allw	ESMAT: Energy Management	SCS
224	Operation scheduling of a household appliance for optimal energy dispatching	Dalia Fendri, Maher Chaabene	ESMAT: Energy Management	SCS
27	Enhancement of the Dynamic Behavior of the Low Voltage Ride-Through Wind Turbines	Abdelaziz Saidi, Walid Helmy	WEOFS: Wind Energy	WE
117	Distributions of wind speed in a northern environment	Taha Ouarda, Christian Charron	WEOFS: Wind Energy	WE
123	Wind Turbine Pitch System Condition Monitoring based on Performance Curves in Multiple States	Lu Wei, Zheng Qian, Cong Yang, Yan Pei	WEOFS: Wind Energy	WE
158	Practical Nonlinear Model Predictive Control of a 5 MW Wind Turbine	Leonardo Gobbi Lopez, Julio Elias Normey-Rico	WEOFS: Wind Energy	WE
221	Experimental dSPACE Analysis for permanent magnet synchronous generator used in voltage control	Rachid ELAKHRIF, Ahmed ABBOU, Mohamed FERFRA	WEOFS: Wind Energy	WE
235	Practical Design and Performance Evaluation of Micro-Wind Turbine in Libya	zakariya Rajab, Ashraf Khalil, Ahmed taher, Khalid Ragab, Moataz Aldricy, Nagi Buaossa	WEOFS: Wind Energy	WE
278	Numerical investigation of a generated vortex around a straight cambered blade profile NACA4312	SOUAISSA Khaled, GHISS Moncef, CHRIGUI Mouldi, BETAHER Hatem, MAALEJ Aaref	WEOFS: Wind Energy	WE