

SPECIAL ISSUE INFORMATION FOR THE AUTHORS OF CONFERENCE PAPERS

All papers should be improved on following points:

1. The extended papers should be submitted to the journals till **1st December 2015**. No extension to this date is available.
2. All papers will be peer-reviewed in the journals.
3. At least 1,5 page introduction section is required for all papers.
4. An archival part which defines the methodology and technique should be added or extended.
5. All paper sections should be extended.
6. The authors' first and family names, address, e-mail should be clearly defined.
7. The papers should be sent to the determined journals by writing them in journal format. Do not send the conference templeted paper to the journal.
8. At least 2 (totally 6 published references) from each special issue journals (Scientia Iranica, Int. J. Hydrogen Energy and J. Electronic Materials) should be added to the References section.
9. Each paper should have minimal 15 references and maximal 25 references.
10. Internet addresses cannot be put as reference.
11. The references from any conferences cannot exceed 5 papers in the references section.
12. References from Thompson SCI-indexed journals are acknowledged.
13. The paper titles should be shortened as much as possible.
14. Nomenclature is needed for the papers which have too much abbreviations and scientific variables.
15. The French, Arabic and all other languages from equations and figures should be translated to English.
16. At least 40% content should be added to the journal version of your paper.
17. The maximal page limit depends on the journal policy.
18. All figures should be drawn clearly.
19. The ithenticate similarity should not exceed 25% for the papers. Therefore check your paper before submitting it to the journal. Write your papers with your own words, do not make copy/past from previous papers in order to reduce the similarity. **Otherwise your paper will be rejected immediately before the review process.**
20. For each journal, the authors **MUST** add "**ECRES 2015 special issue paper**" phrase into the cover letter while submitting the paper to the journal system.
21. For Int. J. Hydrogen Energy and J. Electronic Materials journals, authors should select the item "**ECRES 2015 SI**" from online submission system, while submitting their paper.

• **SELECTED PAPERS FOR JOURNAL OF ELECTRONIC MATERIALS (JEM)**

13 Development of graphane oxide supported platinum catalyst based membrane electrode assembly for pem fuel cell	Y. Devrim, A. Albostan
40 Application of artificial neural networks for modelling of Pt/C cathode degradation in PEM fuel cell	E. Maleki, N. Maleki
137 Metal oxides catalysts derived from hydrotalcites with different M(II)/M(III) ratios and the role of Ga ³⁺ replacing Al ³⁺ for ethyl biodiesel	M. Mancini, A. Coelho, J. Rossi,

production	P. Guebara, M. Boscolo
153 Development of Pd-Cu bimetallic catalyst by the electrodeposition in ionic liquids for electrooxidation of borohydride	A. E. Sanli
42 Structural, electronic and elastic properties of MgH ₂ , CaH ₂ and Ca ₄ Mg ₃ H ₁₄ for hydrogen storage material	S. Djellab, Y. Bouhadda
133 Numerical study of TCO/Silicon solar cells with novel back surface field	M. Boumaour, S. Sali, A. Bahfir, S. Kermadi, L. Zougar, N. Ouarab, A. Larabi, A. Messaoud, K. Mahdid, F. Ait-Ameur, K. Melhani
244 Synthesis of ZNO microrod-structured thin films by the spray pyrolysis technique	S. Ikhmayies
226 An investigation of ferrite and nanocrystalline core materials for medium-frequency transformers	S. Balci, I. Sefa, N. Altin
211 Design optimization of PZT-based piezoelectric cantilever beam by using computational experiments	S. Park, S. Kim, W. Lim, J. Jang, T. H. Lee, S. K. Hong, Y. Song, T. H. Sung
166 Piezoelectric energy harvesting with biomaterials	A. Kholkin, I. Coondoo, D. Isakov, M. Ivanov, V. Shur
72 Structural and electrical characterization of magnetron sputtered mooo thin films	Z. Ghorannevis, N. Mousavi, E. Akbarnejad, M. Ghoranneviss
84 Advanced steels for nuclear reactor technologies	S. Alsagabi
148 Magnetron sputtered YSZ and CGO electrolytes for SOFC	A. Solovyev, A. Shipilova, I. Ionov, A. Kovalchuk
78 Synthesis of Ca(BH ₄) ₂ from synthetic colemanite by mechanochemical reaction	A. Karabulut, M. Gürü, T. Akkaş, M. Aydin
53 Nanotechnology for high performance of ferrocement in green buildings	W. N. Al-Rifaie, N. K. Fayadh
45 Characterization of electrospun nanofibrous scaffolds for nanobiomedical applications	E. Emul, S. Saglam, H. Ates, F. Korkusuz, N. Saglam
259 Effects of thickness on gas sensing properties of HFO2 thin films	I. Karaduman, Ö. Barin, M. Özer, S. Acar
151 Metal assisted texturing of silicon wafers for solar cell applications	F. Es, M. Kulakci, R. Turan
242 Optical, structural and surface characterization of Li doped CdTe thin films	Z. D. Eygi, B. Demirsalcuk, V. Bilgin
215 Theoretical and experimental exploration of breakdown phenomena in an argon filled gap device	E. Tanriverdi, H.H. Kurt, E. Kurt
236 Design and implementation of RF energy harvesting system for low	Y. Uzun

power devices	
246 Exploration of argon effect optoelectronic properties of semiconductor-plasma structure with WBG GaP cathode	H. H. Kurt, E. Tanrıverdi, F. Garip
168 Exploration of the chaotic behaviour in a buck-boost converter depending on the converter and load elements	S. Demirbaş, H. Fidanboy, E. Kurt
50 Synthesis of calcium borohydride with the calcium salt and catalytic dehydrogenation of boron hydride compounds	T. A. Boynuegri, A. F. Karabulut, M. Guru
128 Electrochromic device with polymer electrolyte	A. Solovyev, A. Zakharov, S. Rabotkin, N. Kovsharov
198 A hybrid piezoelectric-electromagnetic energy harvester for low-frequency impulse wave vibration	W. S. Hwang, H. J. Jung, W. J. Kang, J. P. Jhun, T. H. Sung
33 Simulation of InGaP/n-InGaAs/p-InGaAs/InGaP subcell in triple junction solar cells	A. Bouloufa, M. Lasledj, A. Messous
225 Investigation of the thermal behaviour of the ferrite core for medium-frequency transformer applications	S. Balci, I. Sefa, N. Altin
80 Detailed analysis of device parameters by means of different techniques in Schottky devices	N. Tugluoglu, H. Koralay, S. Cavdar, K. B. Akgül,
71 Study and Simulation of the heterojunction thin film solar cell a-Si(n)/a-Si(i)/c-Si(p)/a-Si(i)/a-Si(p)	T. Zarede, H. Lidjici, M. Fathi, A. Mahrane
102 CIGS flexible Nano solar cell thin film with Argon gas low vacuum pressure	F. I. Mustafa, Z. Abdsalam, M. A. Jabbar

• **SELECTED PAPERS FOR INT. J. HYDROGEN ENERGY (IJHE)**

189 Concept of a bidirectional power-to-x process system for technical and economical investigations of conversion and storage technologies (title should be shortened)	T. Pawlik, M. Griese, J. Dohmann, J. Maas, T. Schulte
143 New possibilities for quantitative description of a fuel cell: evolution of its operational state	R.R. Nigmatullin, S. Martemianov, Yu. K. Evdokimov, E. Denisov, A. Thomas, N. Adiutantov
60 Comparing and optimizing hydroelectricity power production regimes	H. H. Coban, R. Varfolomejeva, A. Sauhats
173 A study on the interconnect protection between distribution power system and renewable energy source in Korea	S. Hyun, S. Song, M. H. Choi , Y. M. Han, M.H. Wi
187 Design of a sustainable power management system for residential	Z. U. Bayrak, G. Bayrak, M. T. Özdemir, M. T. Gencoglu, M.

solar-hydrogen hybrid power plants: An application study	Cebeci
17 The effects of exhaust valve timing and valve lift values on engine performance	E. Borlu, B. Albayrak Çeper, E. Özrahat
206 Selection of small capacity ORC systems for integrating of a polygeneration plant with cascade use of geothermal energy	E. Pastor, C. Rubio, J. J. Pacheco, V. Ambriz
159 Predictive controller tuning for heat exchanger, comparison with pid controller	A. Ramdani, S. Grouni, Y. Soufi
160 Laboratory system for measurement of iron losses in high speed PMSM	R. Jordan, Z. Varga, P. Stumpf, I. Nagy, C. Endisch, P. Sipos, M. Simon
249 Dynamic and short circuit performances of a radial flux pm synchronous generator for vertical axis standalone wind turbines by using dynamic linked external circuit method (title should be shortened)	D. Uygun, Y. Çetinceviz, G. Bal
130 Exergy analysis of a new configuration of trigeneration system based on biomass gasifier	S. Mahmoudi, E. Gholamian, V. Zare
14 Influence of the wind farm integration on load flow and voltage in electrical distribution power system	L. Imen, L. Djamel, F. Selwa
61 Optimal design and performance evaluation of hybrid wind-solar energy system for power generation and harmonic compensation	Y. Bouzelata, N. Altin, R. Chenni, E. Kurt
218 A software tool for testing maximum power point tracking algorithms using real working conditions	B. Amrouche, B. Nasredine, N.Aouchiche, M.T. Boukadoum, S. Achachera
247 The influence of annealing on the optical parameters of SNO ₂ :F thin films	Shadia Ikhmayies
55 PEM fuel cell performance modeling considering Pt/C cathode and membrane degradations	N. Maleki, E. Maleki
220 Towards a systematic neural network based modelization of photovoltaic panels	J. M. Lopez-Guede, O. A. Ramos-Hernanz, K. Zulueta, U. Fernandez-Gauna
239 Soft switching maximum power point tracker with resonant switch	S. Öncü, S. Nacar
187 Design of a sustainable power management system for residential solar-hydrogen hybrid power plants: An application study	Z. U. Bayrak, G. Bayrak, M. T. Özdemir, M. T. Gencoglu, M. Cebeci
231 Fusion energy for future (title should be changed, give much	M. GHORANNEVISS

specific title according to your experiments)	Azad University, IRAN
227 Waveform characteristics and losses of a new double sided axial and radial flux generator	H. Gör, E. Kurt
193 Harvesting energy from road traffic using piezoelectric Effect	Y. Song, S. J. Hwang, J. H. Kim, J. Jin, J. Y. Choi, S. K. Ryu, T. H. Sung
200 Performance modelling of 250 kW wind turbine blade using Q-blade program	K. Çiloglu, S. Demir
141 Symbolic modeling of vibration energy harvesting by power PZT stack loaded on li-ion battery	S. Shevtsov, S. Chang
44 Control of a stand-alone hybrid power system	B. Madaci, R. Chenni, E. Kurt, K. Hemsas
222 Z-Source three-level T-type inverter for renewable energy systems	S. Ozdemir
186 Design study of modified CANDLE based medium sized 1000-2000 MWt long life gas cooled fast reactors	Z. Su'ud, M. Ariani, F. Monado, A. Waris, H. Sekimoto
238 A numerical real-time dynamic tool for piezoelectric beam under magnetic fields	D. Ozhan, Y. Uzun, E. Kurt
172 Control by sliding mode of active and reactive power of a doubly fed induction generator	I. Yaichi, S. Hafid, Y. Bakou, Y. Hammaoui, A. Harrouz
170 Convective heat loss and Nusselt number for natural convection from a square tilted solar cavity with different opening ratio	A. Toufik, A. Benchabane, A. Gama, H. Merarda, A. Belaid
216 Study on the performance of natural circulation type solar heating system on south-facing vertical wall	N.-C. Baek, U.-C. Shin, J.-H. Yoon, K.-H. Lee, W.-J. Lee, J.-S. Yoon
134 The methane fermentation efficiency of virginia mallow (sida hermaphrodita)	M. Dębowski, M. Zieliński, M. Krzemieniewski
135 The impact of the organic compounds loading on the methane fermentation process of virginia mallow (sida hermaphrodita) <i>(two papers will be combined as one paper according to reviews)</i>	M. Krzemieniewski, M. Zieliński, M. Dębowski
164 Interaction of a hydraulic stream and lattices of profiles of the hydro turbines in micro hydroelectric power station	A. Zhamalov, M. Kunelbayev, A. Obozov, R. Isaev
188 Characterization of a photovoltaic solar panel cooled by the ambient air	D. Nebbali, R. Nebbali, A. Ouibrahim
192 Design of multi-array piezoelectric energy harvester for wireless	S. Jeong, H. J. Jung, H. Jabbar,

transmitter	J. H. Ahn, T. H. Sung
253 Simulations of Particle Distribution at Moderate Magnetic Field Case in an Inertial Electrostatic Confinement Unit	B. Dursun, E. Kurt
251 Induction machine bearing fault diagnosis based on the axial vibration analytic signal	A. Medoued, M. Mordjaoui, Y. Soufi, A. Lebaroud
175 The evolution of renewable energy sources in the electricity sector of Greece	D. Manolopoulos, K. Kitsopoulos, J.K. Kaldellis, A. Bitzenis
35 Modeling and simulation of grid connected PV system	S. Fetissi, L. Djamel, L. Imen
179 Performance improvement of a theoretically designed stand-alone PV system through the utilization of Matlab/Simulink modeling	O. Deveci, C. Kasnakoglu

• SELECTED PAPERS FOR SCIENTIA IRANICA

116 Statistical diagnosis of the weibull methods for wind power assesment for osmaniye region	Y. A. Kaplan
105 Solar assesment in Algeria using RETScreen	A. Kamel, S. Bouchakour, A. H. Arab, F. Cherfa, S. Semaoui, A. Razagui
169 Comparative study of the effect of two type of ribs on thermal performance of solar air heaters	A. B. Boulemtafes, A. Benzaoui
125 CFD Simulation of catalytic combustion using surface reaction model	O. Ghazal
158 Optimisation golden section technique applied to mppt search for pv system	S. Grouni, S. Ladjouzi, Y. Soufi
144 Spectral method for PEMFC operation mode monitoring based on current (voltage) fluctuation analysis	R.R. Nigmatullin, S. Martemianov, Yu. K. Evdokimov, E. Denisov, A. Thomas, N. Adiutantov
229 Establishment & Application of quality management concept in nuclear QA for nuclear safety enhancement	K.-H. Kim, K.-J. Jang, J.-H. Ha, J.-E. Jeon, J.-H. Kim
52 A composite direct/indirect adaptive fuzzy controller for wind energy conversion systems	S. Boulouma, H. Belmili, S. Labiod
59 Optimal design of grid-connected hybrid renewable energy systems using multi-objective evolutionary algorithm	S. Zhichao, W. Rui, Z. Tao, Z. Yan

106 Comparative study between sliding mode control and incremental conductance algorithm to maximize power for photovoltaic systems	A. Bouchakour, M. Brahami, I. H. Mahammed, L. Zaghba, A. Borni
183 About diagram of direction of linear multielement antenna sytem radiated in the far zone	M. Khajishvili, N. Gomidze, K. Makharadze, I. Jabnidze
165 Comparison of empirical models of the monthly mean daily global solar radiation on a horizontal surface	A. Koçer, M. Gökçek, A. Gungor
65 Optimum design of permanent magnet wind generator based on low cogging torque criteria	N. Öztürk, A.Dalcalı , E. Çelik, S. Sakar
197 Evaluation of topographies and roughness effects on the wind turbines wake	H. D. Nedjari, O. Guerri, M. Saighi
68 Design of prototype dual axis tracker solar panel controlled by geared dc servomotors	A. Mansouri, F. Krim, Z. Khaouni
54 Control with neural network and pi of grid sid converter based on strategy SVPWM in the wind energy conversion system	M. Ahmed, M. Abdelhafidh, G. Abderrezak, M. Adel
212 DSP controlled high frequency battery charger for PV generation systems	H. Özbay, A. Karafil, S. Öncü, M. Kesler
241 An industrial pine nut drying unit assisted by solar energy and heat pump: An experimental study	T. Polat, H. M. Şahin, G. Tunç, M. Aktaş
256 Design optimal current controller of DC/AC grid-connected inverter to improve power quality	A. Algaddafi, I. Daho
191 Comparison of planar and cylindrical 3-D PEMFC models	I. Türkmen, M. Sankır, B. Çetin, D. Baker
1 Optimization of distributed generation using HOMER software and fuzzy logic control	M. Wadi, M. Tanriöven, M. R. Tur
184 Design study of 100-300MWt gas cooled fast reactor for possible nuclear-solar-hydro energy synergetic system	Z. Su'ud
250 Multiobjective optimization design and performance evaluation of slotted halbach PMSM using Monte Carlo method	B. Ibtissam, M. Mourad, M. Ammar, Y. Soufi
41 An analysis and control of fuel metering systems	M. Oulhadj, A. Harrouz, A. Bekraoui, A. Hadjadj
142 Dimensioning of a solar dryer with application of an experiment plans method for drying food products	B. Touati, B. Lips, A. Saad, A. Abdenbi, K. Mir
150 Firefly and flower pollination algorithms to optimize power flow of	S. Makhloufi, R. Megateli,

algerian's adrar power system	A. Mekhaldi, M. Tegar, D. Koussa
113 Algerian efficiency mapping of domestic type paraboloidal solar cooker in comparison with box-type one based on optical approach	Y. Fatiha, A. Boubekeur, M. Ali, N. L. Panwar, G. Amor
56 Direct control of matrix converts using asymmetric strategy (ASVM) to feed the double star induction machine	F. Bettache, M. Tadjine , L. Nezli
156 H^∞ robust control: Application to the DFIM	Y. Bakou, M. Abid, I. Yaichi, A. Harrouz, A. Gharout
77 DTC applied to a PMSM with compensation of the stator resistance based on the neuro-fuzzy technique	S. Benouati, M.S. Boucherit, L. Barazane, H. Tlemcani
18 DTC-SVPWM of an energy storage flywheel associated with a wind turbine based on the DFIM	A. Moualdia, A. Medjber, A.Kouzou, O.Bouchhida
91 Comparison of two maximum power point tracking techniques applied to a photovoltaic system	B. Madaci, R. Chenni, E. Kurt, K. Hemsas
233 Integrated system for the use of solar energy in the animal farm	O. Rashit, R. Adil, O. Dauren, M. Kunelbayev
66 MPC based energy storage control strategy for smart distribution system under high renewable energy penetration	Z. Yan, Z. Tao, G. Bo, W. Rui, S. Zhichao
139 Methane fermentation process of virginia mallow (sida hermaphrodita) biomass in innovative anaerobic reactor	M. Zieliński, M. Dębowski, M. Krzemieniewski
76 Implementation of pv emulator supplied active power filter (Scope values identified etc.)	H. Afghoul, F. Krim, D. Chikouche, A. Beddar
112 Development of software tool for optical behaviour study of solar tower heliostat field (Obtained energy depending of daily irradiation should be given with graphics)	A. Gama, A. Malek, T. Arrif, B. Bezza, A. Belaid
92 Direct and indirect sensing two-axis solar tracking system	A.S. Al-Ammri, F. I. Mustafa, F. F. Ahmad
196 A study of piezoelectric energy harvester applying to auxiliary power of hi-pass terminal	W. J. Kang, H. J. Jung, W. S Hwang, J. Y. Cho, J. H. Kim, T. H. Sung
248 Numerical analyses of concentrated solar receiver pipes with superheated steam	M. Demirci, T. Polat, E. Kurt and H.M. Şahin
252 Implementation of lighting control system with power line communication (Application needed only theory is not sufficient name	N. Daldal, G. Bal

of the writers are not same with the paper)	
122 Adaptive MPPT optimization based on the radial basis network approach and feedforward decoupling current control for a grid connected PV system adapted for unstable atmospheric conditions (Figure mismatch between the figs and time scale!) (Title should be shortened.)	L. Zaghba, B. K. Messaouda, A. Borni, A. Bouchakour, A. Fezzani, I. H. Mahamed, S. H. Oudjana, N. Terki
110 Optimization of fuzzy logic control membership functions by particle swarm optimization for a photovoltaic system	A. Borni, T. Abdelkrim, K. Benamrane, A. Benkhalifa
174 Renewable policies and challenges in greece towards achieving its 2020 energy targets: A questionnaire survey	A. Bitzenis, P. Kontakos, C. Kafteranis
202 Forecasting direct normal irradiation at Djibouti using artificial neural network	A. Kayad Abdourazak, S. Abderafi, D. Zejli, I. Abdoukader Ibrahim