

**Production Scientifique des 2 dernières années :**

Titre	Journal	Auteurs	<a href="https://www.scopus.com/sourceid/">https://www.scopus.com/sourceid/</a>
Effects of the temperature and pressure on the electronic and optical properties of an exciton in GaAs / Ga(1-x)AlxAs quantum ring	Physica B: Condensed Matter	Najia ESSBAI	<a href="https://www.scopus.com/sourceid/33292">https://www.scopus.com/sourceid/33292</a>
Design and Verification of Photovoltaic MPPT Algorithm as an Automotive-Based Embedded Software	Solar Energy	youssef Cheddadi, Fatima Errahimi, Najia Essbai, Chakib Alaoui	<a href="https://www.scopus.com/sourceid/13333">https://www.scopus.com/sourceid/13333</a>
A new pipeline for the recognition of universal expressions of multiple faces in a video sequence	Journal of Real-Time Image Processing	latifa greche, Najia ESSBAI	<a href="https://www.scopus.com/sourceid/4900152415">https://www.scopus.com/sourceid/4900152415</a>
Comparative Study of ANN/KF for On-Board SOC Estimation for Vehicular Applications	Journal of EnergyStorage	hicham bensassi, Fatima Errahimi, Najia Essbai, Chakib Alaoui	<a href="https://www.scopus.com/sourceid/21100400826">https://www.scopus.com/sourceid/21100400826</a>
The simultaneous effects of the wetting layer, intense laser and the conduction band non-parabolicity on the donor binding energy in a InAs/GaAs conical quantum dot using the numerical FEM	Indian Journal of Pure & Applied Physics	Ahmed Sali, Najia Essbai, Mohammed Ouazzani Jamil	<a href="https://www.scopus.com/sourceid/28036">https://www.scopus.com/sourceid/28036</a>

A comparative study of ANN and Kalman Filtering-based observer for SOC estimation	IOP Conf. Series: Earth and Environmental Science	hicham bensassi, Fatima Errahimi, Najia Essbai, Chakib Alaoui	<a href="https://www.scopus.com/sourceid/19900195068">https://www.scopus.com/sourceid/19900195068</a>
A comparative study of kalman filtering based observer and sliding mode observer for state of charge estimation	IOP Conference Series: Materials Science and Engineering	hicham bensassi, Fatima Errahimi, Najia Essbai, Chakib Alaoui	<a href="https://www.scopus.com/sourceid/19700200831">https://www.scopus.com/sourceid/19700200831</a>
A technological review on electric vehicle DC charging stations using photovoltaic sources	IOP Conference Series: Materials Science and Engineering	youssef Cheddadi, Fatima Errahimi, Najia Essbai, Chakib Alaoui	<a href="https://www.scopus.com/sourceid/19700200831">https://www.scopus.com/sourceid/19700200831</a>
Regulation of the Output Voltage of an Inverter in Case of Load Variation	IOP Conference Series: Materials Science and Engineering	omar diouri, Fatima Errahimi, Najia Essbai, Chakib Alaoui	<a href="https://www.scopus.com/sourceid/19700200831">https://www.scopus.com/sourceid/19700200831</a>
Studying the Impact of the Color Representation Choice on Segmentation Results by the Seeded Region Growing Algorithm	International Journal of Information Science & Technology	rajae charifi, Najia ESSBAI, Anass MANSOURI	<a href="http://www.innove.org/ijist/index.php/ijist">http://www.innove.org/ijist/index.php/ijist</a>
Geological interpretation of gravity anomalies of the rifian foreland and 3D modeling of Hercynian granites (NE of Moroc)	Journal of AfricanEarth Sciences	Driss EL AZZAB, Younes GHFIR	<a href="https://www.scopus.com/sourceid/31815">https://www.scopus.com/sourceid/31815</a>
Geochemical mapping of radioactive elements using helicopter-borne gamma-ray spectrometry (Tiouit, Eastern Anti-Atlas,	Journal of AfricanEarth Sciences	Driss EL AZZAB	<a href="https://www.scopus.com/sourceid/31815">https://www.scopus.com/sourceid/31815</a>

Morocco): Or occurrence and environmental impact.			
Hight-resolution redidual terrain model and terrain corrections for gravity field modeling and geoid computation in Niger Republic.	Geodesy and Cartography	Yahya Salissou Ibrahim Driss EL AZZAB	<a href="https://www.scopus.com/sourceid/28610">https://www.scopus.com/sourceid/28610</a>
Phosphatic series under Plio- Quaternary cover of Tadla Plain, Morocco: gravity and seismic data.	CRAS Geosciences	Driss EL AZZAB	<a href="https://www.academie-sciences.fr/fr/Comptes-Rendus/comptes-rendus-geoscience.html">https://www.academie-sciences.fr/fr/Comptes-Rendus/comptes-rendus-geoscience.html</a>
Design, optimization and realization of compact bandpass filter using two identical square open-loop resonators for wireless communications systems	Journal of Instrumentation	Abdelhafid Belmajdoub Ali El Alami Saâd BENNANI DOSSE Mohammed JORIO	<a href="https://www.scopus.com/sourceid/4900152808">https://www.scopus.com/sourceid/4900152808</a>
Design and optimization of a new compact 2.4GHZ-bandpass filter using DGS technique and U- shaped resonators for WLAN applications	TELKOMNIKA	Abdelhafid Belmajdoub Ali El Alami Saâd BENNANI DOSSE Mohammed JORIO	<a href="https://www.scopus.com/sourceid/21100256101">https://www.scopus.com/sourceid/21100256101</a>
Mutual coupling Reduction in 4*1 array antennas using Mushroom-like structures	International Journal on Communications Antenna and Propagation	Ouissale Ouazzani Mohammed JORIO Saâd BENNANI DOSSE Abdellatif Slimani	<a href="https://www.scopus.com/sourceid/21100331506">https://www.scopus.com/sourceid/21100331506</a>

GPR target detection using a neural network classifier designed by a multi-objective genetic algorithm	Applied Soft Computing Journal	Houda HARKAT Saâd BENNANI DOSSE	<a href="https://www.scopus.com/sourceid/18136">https://www.scopus.com/sourceid/18136</a>
Design, optimization and realization of high gain RFID array antenna 4 × 1 for detection system of objects in motion	Journal of Instrumentation	Ali El Alami Saâd BENNANI DOSSE	<a href="https://www.scopus.com/sourceid/4900152808">https://www.scopus.com/sourceid/4900152808</a>
A Compact Wideband Monopole Antenna using Single Open Loop Resonator for Wireless Communication Applications	Telkomnika	Saâd BENNANI DOSSE	<a href="https://www.scopus.com/sourceid/21100256101">https://www.scopus.com/sourceid/21100256101</a>
MultiD-CNN: A Multidimensional Feature Learning Approach Based on Deep Convolutional Networks for Gesture Recognition in RGB-D Image Sequences	Expert Systems with Applications	ABDESSAMAD ELBOUSHAKI	<a href="https://www.scopus.com/sourceid/19700180722">https://www.scopus.com/sourceid/19700180722</a>
Geodynamic Mineralization Training of Pb-Zn-Fe-Ba-Cu, Case of Aouli Inlier – Upper Moulouya Visean Basin of the Moroccan Hercynian Belt	International Journal of Multidisciplinary Sciences and Engineering	Naoufal Saoud Jaouad Choukrad Mounir Souhail Mohammed CHARROUD	<a href="http://www.ijmse.org/">http://www.ijmse.org/</a>

The Middle Atlas Geological karsts forms: Towards Geosites characterization	Oil & Gas Science and Technology – Rev. IFP Energies nouvelles	Mounir Souhail Naoufal Saoud Mohammed CHARROUD Jaouad Choukrad	<a href="https://www.scopus.com/sourceid/18219">https://www.scopus.com/sourceid/18219</a>
MSKVS: Adaptive mean shiftbased keyframe extraction for video summarization and a new objective verification approach	Elsevier Geo- Engineering Book Series	ABDESSAMAD ELBOUSHAKI	<a href="https://www.scopus.com/sourceid/19700180722">https://www.scopus.com/sourceid/19700180722</a>
Multi-label Transfer Learning for the Early Diagnosis of Breast Cancer	Elsevier Geo- Engineering Book Series	HIBA CHOUGRAD	<a href="https://www.scopus.com/sourceid/19700180722">https://www.scopus.com/sourceid/19700180722</a>
Deep Convolutional Neural Networks for Breast Cancer Screening	Elsevier Geo- Engineering Book Series	HIBA CHOUGRAD	<a href="https://www.scopus.com/sourceid/19700180722">https://www.scopus.com/sourceid/19700180722</a>
Industrial Solar Drying System: Modeling and Design Optimization of Plate Slotted Fin-and-Tube Heat Exchanger	International Journal of Renewable Energy Research	Mahmoud BOUOUD Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/21100258747">https://www.scopus.com/sourceid/21100258747</a>
Performance analysis of non- imaging Fresnel lens as a primary stage for CPV units	IOP Conference Series: Earth and Environmental Science	Sarah EL HIMER Ali AHAI TOUF Sara EL YAHYA OUI Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/19900195068">https://www.scopus.com/sourceid/19900195068</a>
A comparative of four secondary optical elements for CPV systems	AIP Conference Proceedings	Sarah EL HIMER Ali AHAI TOUF Sara EL YAHYA OUI Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/26916">https://www.scopus.com/sourceid/26916</a>

Indoor characterization of pyramid- and cone-type secondary optics	AIP Conference Proceedings	Sara EL YAHYAOUI Ali AHAITOUF Sarah EL HIMER Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/26916">https://www.scopus.com/sourceid/26916</a>
Parametric Optimization and Performances Analysis Of Four Secondary Optical Elements For Concentrator Photovoltaic Systems	International Journal of Renewable Energy Research	Sarah EL HIMER Ali AHAITOUF Sara EL YAHYAOUI Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/21100258747">https://www.scopus.com/sourceid/21100258747</a>
ANN-based modelling and prediction of daily global solar irradiation using commonly measured meteorological parameters	IOP Conf. Series: Earth and Environmental Science	Zineb BOUNOUA Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/19900195068">https://www.scopus.com/sourceid/19900195068</a>
Assessment of a quality control procedure of hourly solar irradianations at Fez city, Morocco	IOP Conf. Series: Earth and Environmental Science	Zineb BOUNOUA Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/19900195068">https://www.scopus.com/sourceid/19900195068</a>
New daily global solar irradiation estimation model based on automatic selection of input parameters using evolutionary artificial neural networks	Journal of Cleaner Production	Zineb BOUNOUA Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/19167">https://www.scopus.com/sourceid/19167</a>
Prediction of daily global horizontal solar irradiation using artificial neural networks and commonly measured meteorological parameters	AIP Conference Proceedings	Zineb BOUNOUA Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/26916">https://www.scopus.com/sourceid/26916</a>

Statistical analysis of global horizontal solar irradiation GHI in Fez city, Morocco	IOP Conference Series: Materials Science and Engineering	Zineb BOUNOUA Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/19700200831">https://www.scopus.com/sourceid/19700200831</a>
Development of a Daily Databank of Solar Radiation Components for Moroccan Territory	International Journal of Photoenergy	Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/145581">https://www.scopus.com/sourceid/145581</a>
Plate flat finned tubes heat exchanger: Heat transfer and pressure drop modeling	IOP Conf. Series: Earth and Environmental Science	Mahmoud BOUOUD Oussama HACHCHADI Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/19900195068">https://www.scopus.com/sourceid/19900195068</a>
Solar air heating system: design and dynamic simulation	IOP Conference Series: Materials Science and Engineering	Mahmoud BOUOUD Oussama HACHCHADI Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/19700200831">https://www.scopus.com/sourceid/19700200831</a>
Energy performance of a clay tiles solar drying system	AIP Conference Proceedings	Mahmoud BOUOUD Oussama HACHCHADI Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/26916">https://www.scopus.com/sourceid/26916</a>
Numerical investigation of a solar PVT air collector used for preheating the ventilating air in tertiary building under the climatic conditions of Fez, Morocco	AIP Conference Proceedings	Oussama HACHCHADI Mahmoud BOUOUD Abdellah MECHAQRANE	<a href="https://www.scopus.com/sourceid/26916">https://www.scopus.com/sourceid/26916</a>
Nanopyramid-based absorber to boost the efficiency of InGaN solar cells	Solar Energy	Ali AHAITOUF	<a href="https://www.scopus.com/sourceid/13333">https://www.scopus.com/sourceid/13333</a>

Area and power efficient VLSI architecture of mode decision in integer motion estimation for HEVC video coding standard	International Journal of Electrical and Computer Engineering	Abdessamad EL ANSARI Anass MANSOURI Ali AHAITOUF	<a href="https://www.scopus.com/sourceid/21100373959">https://www.scopus.com/sourceid/21100373959</a>
An energy-aware system-on-chip architecture for intra prediction in HEVC standard	International Journal of Electrical and Computer Engineering	Abdessamad EL ANSARI Anass MANSOURI Ali AHAITOUF	<a href="https://www.scopus.com/sourceid/21100373959">https://www.scopus.com/sourceid/21100373959</a>
Performance Evaluation of Edge Orientation Histograms Based System for Real-time Object Detection in Two Separate Platforms	Recent Patents on Computer Science	Souhail GUENOUNI Anass MANSOURI Ali AHAITOUF	<a href="https://www.scopus.com/sourceid/19700186900">https://www.scopus.com/sourceid/19700186900</a>
LVRT and HVRT control strategies of Doubly-Fed Induction Generator	Journal of Electrical Systems	Yassir El Karkri Hassane EL MARKHI Hassan EL MOUSSAOUI Tijani LAMHAMDI	<a href="https://www.scopus.com/sourceid/19700186890">https://www.scopus.com/sourceid/19700186890</a>
Microgrid energy management system: a state-of-the-art review	Journal of Electrical Systems	Ouassima BOQTOB Hassan EL MOUSSAOUI Hassane EL MARKHI Tijani LAMHAMDI	<a href="https://www.scopus.com/sourceid/19700186890">https://www.scopus.com/sourceid/19700186890</a>
PV water pumping systems for domestic uses in remote areas: Sizing process, simulation and economic evaluation	Renewable Energy	ALI BOHARB	<a href="https://www.scopus.com/sourceid/27569">https://www.scopus.com/sourceid/27569</a>
Assessment of wind power capacity credit in Morocco: Outlook to 2020	Wind Engineering	Yassir El Karkri Aboubakr El makrini Hassane EL MARKHI Tijani LAMHAMDI Hassan EL MOUSSAOUI	<a href="https://www.scopus.com/sourceid/13850">https://www.scopus.com/sourceid/13850</a>



Simulation tools for a smart grid and energy management for microgrid with wind power using multi-agent system	Wind Engineering	Mohamed AZEROUAL Tijani LAMHAMDI Hassan EL MOUSSAOUI Hassane EL MARKHI	<a href="https://www.scopus.com/sourceid/13850">https://www.scopus.com/sourceid/13850</a>
Renewable Energy Potential and Available Capacity for Wind and Solar Power in Morocco Towards 2030	Journal of Engineering Science and Technology Review	Mohamed AZEROUAL Aboubakr El makrini Hassan EL MOUSSAOUI Hassane EL MARKHI	<a href="https://www.scopus.com/sourceid/21100198201">https://www.scopus.com/sourceid/21100198201</a>
Optimal Robust Unit Commitment of Microgrid using Hybrid Particle Swarm Optimization with Sine Cosine Acceleration Coefficients	International Journal of Renewable Energy Research	Ouassima BOQTOB Hassan EL MOUSSAOUI Hassane EL MARKHI Tijani LAMHAMDI	<a href="https://www.scopus.com/sourceid/21100258747">https://www.scopus.com/sourceid/21100258747</a>
Horizontal-Shuffled Scheduling for the Low Density Parity Check Codes Decoding for WiMAX Application	Proceedings of The 1st International Conference on Electronic Engineering and Renewable energy, Lecture Notes in Electrical Engineering, ISSN 1876-1100, springer nature	Mouhcine RAZI Anass MANSOURI Ali AHAITOUF	<a href="https://www.scopus.com/sourceid/19700186822">https://www.scopus.com/sourceid/19700186822</a>
A migration methodology from legacy to new electronic health record based OpenEHR	International Journal of E- Health and Medical Communications	youness idrissi khamlichi	<a href="https://www.scopus.com/sourceid/21100227425">https://www.scopus.com/sourceid/21100227425</a>
An effective intrusion detection model based on svm with feature selection and parameters optimization	Journal of Theoretical and Applied Information Technology	youness idrissi khamlichi	<a href="https://www.scopus.com/sourceid/19700182903">https://www.scopus.com/sourceid/19700182903</a>

Implementation of Maximum Power Point Tracking (MPPT) Solar Charge Controller using Arduino	IOP Conference Series: Materials Science and Engineering	Abdelilah Byou	<a href="https://www.scopus.com/sourceid/19700200831">https://www.scopus.com/sourceid/19700200831</a>
Solar Charge Controller with a Data Acquisition System Based on Arduino	Proceedings of The 1st International Conference on Electronic Engineering and Renewable energy, Lecture Notes in Electrical Engineering, ISSN 1876-1100, springer nature	Abdelilah Byou	<a href="https://www.scopus.com/sourceid/19700186822">https://www.scopus.com/sourceid/19700186822</a>
Lithium-ion batteries modeling and state of charge estimation using artificial neural network	International Journal of Electrical and Computer Engineering	Youness Boujoudar, Hassan EL MOUSSAOUI, Tijani LAMHAMDI	<a href="https://www.scopus.com/sourceid/21100197510">https://www.scopus.com/sourceid/21100197510</a>
Effect of the particle size of pulverized olive cake on combustion parameters in Stirling engine in Morocco	Case Studies in Thermal Engineering, Elsevier	HIND EL HASSANI	<a href="https://www.scopus.com/sourceid/21100262580">https://www.scopus.com/sourceid/21100262580</a>
Overview on 5G Radio Frequency Energy Harvesting	Advances in Sciences, Technology and Engineering Systems Journal	HIND EL HASSANI	<a href="https://www.scopus.com/sourceid/21100898760">https://www.scopus.com/sourceid/21100898760</a>
Application des méthodes paramétriques (DRASTIC) pour l'étude de la vulnérabilité à la pollution potentielle par les nitrates de la nappe d'eau superficielle de Timahdite – Almis Guigou (Moyen Atlas, Maroc)	Revue des Sciences de l'eau	Samir Amrani, Said HINAJE, Youssef Garmane	<a href="https://www.scopus.com/sourceid/29624">https://www.scopus.com/sourceid/29624</a>

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Mise À Jour De La Cartographie Géologique Et États Des Contraintes Tectoniques Dans La Zone De Bouchfâa (NW Du Massif De Tazekka, Maroc)	European Scientific Journal	Youssef Gharmane, Mohammed El Fartati, Samir Amrani, Said HINAJE	
Calcul et modélisation hydraulique pour l'aménagement d'oued el Jawaher base, dans la ville de Fès (Maroc).	American Journal of innovative Research and applied Sciences	Abdel-ali Chaouni	
PALEOCONTRAINTE ET CONTEXTE TECTONIQUE DE MISE EN PLACE DU VOLCANISME ALCALIN NEOGENE ET QUATERNAIRE DU MOYEN ATLAS (MAROC).	European Scientific Journal	Said HINAJE, Mohammed El Fartati, Driss Yaagoub, Youssef Gharmane	
Role of the chronology of the tectonic phases in the distribution of	Journal of Engineering Research and Application. 2019	Youssef Gharmane, Saïd Hinaje, Samir Amrani,	

hydrothermal mineralizations in the Mining District of Tazekka (Morocco)		Mohamed El Fartati & Driss Yaagoub	
Modeling and designing of single phase PV inverter with MPPT algorithm applied to the boost converter using back-stepping control in standalone mode	International Journal of Photoenergy	Omar Diouri, Najia ES-Sbai, Fatima Errahimi and C. Alaoui	<a href="https://www.scopus.com/sourceid/145581">https://www.scopus.com/sourceid/145581</a>
1*2 RFID-Reader Array Antenna for Narrowband Indoor Positioning Applications	Journal of Engineering Science and Technology Review	Ikram Tabakh, Mohammed Jorio and Najiba El Amrani El Idrissi	<a href="https://www.scopus.com/sourceid/21100198201">https://www.scopus.com/sourceid/21100198201</a>
Improved Control of Grid-connected DFIG-based Wind Turbine using Proportional-Resonant Regulators during Unbalanced Grid	Energies	Yassir El Karkri , Alexis B. Rey-Boué, Hassan El Moussaoui, Johannes Stöckl and Thomas I. Strasser	<a href="https://www.scopus.com/sourceid/62932">https://www.scopus.com/sourceid/62932</a>
Mechanical characterization of new micro-composites composed by natural clay matrix and PEG 6000 fillers	IOP Conference Series: Materials Science and Engineering	Raouf JABRANE	<a href="https://www.scopus.com/sourceid/19700200831">https://www.scopus.com/sourceid/19700200831</a>

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Comparative study of color image segmentation by the seeded region growing algorithm	IEEE Explore	rajae charifi ESSBAI MANSOURI	Najia Anass	31/12/2018	DOI: 10.1109/CIST.2018.8596 399	De 1 A 6
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Web mining techniques and applications: Literature review and a proposal approach to improve performance of employment for young graduate in Morocco	IEEE Xplore	Aniss Moumen LAKHRISSI	Younes	07/05/2018	doi:10.1109/ISACV2018. 8354043	De 1 A 5
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Calcul et modélisation hydraulique pour l'aménagement d'oued el Jawaher base, dans la ville de Fès (Maroc).	American Journal of innovative Research and applied Sciences	Abdel-ali Chaouni	19/03/2018	7	De 355 1 362
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