

REVUE ROUMAINE  
DES  
SCIENCES TECHNIQUES  
SÉRIE  
**ÉLECTROTECHNIQUE**  
ET  
**ÉNERGÉTIQUE**

---

Tome 66, 2021, N° 2, Avril-Juin

Paraît quatre fois par an

Revue incluse dans  
“Clarivate Analytics Science Citation Index Expanded (also known as SciSearch\*) and Journal Citation Reports/Science Edition”

**S o m m a i r e**

**Électrotechnique et électroénergétique**

YACINE BENDJEDDOU, RACHID ABDESSEMED, ELKHEIR MERABET, Commande a flux virtuel oriente de la generatrice asynchrone a cage double etoile () .....	71
SLIMANE MEDJMADJ, DEMBA DIALLO, ANTONI ARIAS, Mechanical sensor fault-tolerant controller in PMSM drive: experimental evaluation of observers and signal injection for position estimation.....	77
K. R. SHANMUGA VADIVU, R. RAMAPRABHA, Improved steady state and large signal transient response of three level ac-dc converter using hysteresis modulation based SMC under DCM.....	85
ABDELBASET LAIB, FATEH KRIM, BILLEL TALBI, HAMZA FEROURA, ABDESSLAM BELAOUT, Hardware implementation of fuzzy maximum power point tracking through sliding mode current control for photovoltaic systems .....	91
OMAR BENMILOUD, SALEM ARIF, Hybrid method for determination of power systems dynamic equivalents based on measurements .....	97
NASSIM SABRI, ABDELHALIM TLEMÇANI, AISSA CHOUDER, Real-time diagnosis of battery cells for stand-alone photovoltaic system using machine learning techniques .....	105
ZOUHEYR DEKALI, LOTFI BAGHLI, ABDELMADJID BOUMEDIENE, Experimental implementation of the maximum power point tracking algorithm for a connected wind turbine emulator .....	111
HALIL EROL, SAFFET AYASUN, Gain-phase margins-based stability analysis of time delayed hybrid load frequency control system.....	119

**Électronique et transmission de l’information**

AMAR BENAÏSSA, BOUALAGA RABHI, MOHAMED FOUAD BENKHORIS, LAID ZELLOUMA, Linear quadratic controller for two-interleaved boost converter associated with PEMFC emulator.....	125
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----

**Termotechnique et termoénergétique**

ABDELHAKIM BELKAID, ILHAMI COLAK, KORHAN KAYISLI, A direct adaptive sliding mode high voltage gain peak power tracker for thermoelectric applications.....	45
------------------------------------------------------------------------------------------------------------------------------------------------------------	----