

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

Tome 67, 2022, N° 1, Janvier-Mars

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

AKILA MESSAOUDENE, LUCIAN DASCALESCU, BOUKHALFA BENDAHMANE, Influence of high voltage waveform and frequency on the elimination of electric charges at the surface of polypropylene films.....	3
CONSTANTIN DAVID, WILHELM KAPPEL, EROS-ALEXANDRU PĂTROI, EUGEN MANTA, VALENTIN MIDONI, Micromagnetic study of iron nanowire arrays.....	9
ELAKHDAR BENYOUSSEF, SAID BARKAT, Direct torque control based on space vector modulation with balancing strategy of dual star induction motor	15
NOURREDINE ZIDANE, SOFIA LALOUNI BELAID, A new fuzzy logic solution for energy management of hybrid photovoltaic/battery/hydrogen system.....	21
YSSAAD BENYSSAAD, Nouveau modèle d'optimisation basé sur la ‘maintenance axée sur la fiabilité des réseaux de distribution électrique.....	27
ALIREZA GOUDARZIAN, Continuous sliding mode approach for a self-lift Luo converter via high order switching manifold.....	33
AMOR OUNISSI, AZEDDINE KADDOURI, MOHAMMED SALAH AGGOUN, RACHID ABDESSEMED, Second order sliding mode controllers of micro positioning stage piezoelectric actuator with Colman-Hodgdon model parameters.....	41
CLAUDIU TUFAN, IOSIF VASILE NEMOIANU, MIHAI MARICARU, MARILENA STANCULESCU, MIHAI EUGEN MARIN, Efficient method of harmonic analysis of three-phase circuits with nonlinear controlled switching elements	47

Électronique et transmission de l’information

VLADIMIR MAKSIMOVIC, BRANIMIR JAKSIC, IVANA MILOSEVIC, PETAR SPALEVIC, MILE PETROVIC, Solution for multimedia television system as an educational laboratory.....	55
SHEKHAR SUMAN BORAH, MOURINA GHOSH, ASHISH RANJAN, Higher order multifunction filter using current differencing buffered amplifier (CDBA).....	61

Automatique et ordinateurs

AMEL ABBADI, FETHIA HAMIDIA, YOUNES CHIBA, Adaptive non-linear voltage controller based multivariable sliding mode extremum seeking approach applied to multi-machine power system.....	67
IOAN-CRISTIAN MUSTAȚĂ, LAURA BACALI, MIHAELA BUCUR, RADU MIRCEA CIUCEANU, ALEXANDRA IOANID, ALEXANDRA ȘTEFAN, The evolution of Industry 4.0 and its potential impact on Industrial Engineering and Management Education	75

Thermotechnique et thermoénergétique

ALEXANDRU M. MOREGA, MARIAN PETRE, YELDA VELI, ALIN A. DOBRE, Flow and heat transfer in an aging heat furnace for aluminum alloy plates	81
---	----

Génie biomédicale

VICTOR CAUNI, BOGDAN MIHAI, FLORIN TANASE, CRISTIAN PERSU, CIOFU IRINA, Application of laser technology in urinary stone treatment.....	87
---	----