



Lucian PISLARU-DANESCU

<https://publons.com/researcher/B-2894-2013/>

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Lucian Pîslaru-Dănescu graduated at 1985 and he received Dr. degree in energetic domain, in the field of power engineering from University POLITEHNICA of Bucharest, Romania, in 2005. In the present, Senior scientific researcher CS 1 at National Institute for Research and Development in Electrical Engineering ICPE-CA, head of Sensors Actuators and Energy Harvesting Laboratory, Research.

Current affiliation:

- National Institute for Research and Development in Electrical Engineering ICPE-CA (INCDIE ICPE-CA) Bucharest,

Romania from 2007 until present

Publications

PUBLICATION METRICS

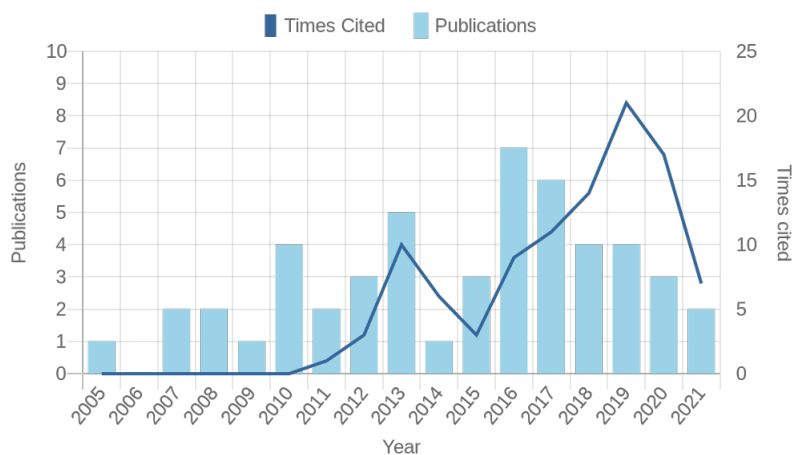
For manuscripts published from date range January 2005 - September 2021

CITATIONS	H-INDEX	PUBLICATIONS	WEB OF SCIENCE PUBLICATIONS
102	4	50	35

For all time

CITATIONS	H-INDEX	PUBLICATIONS	WEB OF SCIENCE PUBLICATIONS
102	4	62	47

PUBLICATION IMPACT OVER TIME



PUBLISHING SUMMARY

For manuscripts published from date range January 2005 - September 2021

(6) 10TH INTERNATIONAL SYMPOSIUM ON ADV...	(5) EEA - Electrotehnica, Electronica, Automatica
(3) International Conference and Exposition on El...	(3) Optoelectronics and Advanced Material... WOS
(2) PROCEEDINGS OF THE 13TH INTERNATIONA...	(2) IEEE Transactions on Magnetics WOS
(2) 9TH INTERNATIONAL SYMPOSIUM ON ADVA...	(2) International Conference on Applied and Theor...
(2) International Symposium on Advanced Topics ...	(2) International Aegean Conference on Electrical ...
(2) Electrotehnica, Electronica, Automatica	(1) Electrical Engineering WOS
(1) ENERGY AND CLEAN TECHNOLOGIES CONFE...	(1) Electronic Materials Letters WOS
(1) Sensor Letters	(1) PROCEEDINGS OF THE INTERNATIONAL SYM...
(1) IEEE Transactions on Industry Applicati... WOS	(1) International Universities Power Engineering C...
(1) ESTC: ELECTRONICS SYSTEM-INTEGRATION ...	(1) 8TH INTERNATIONAL SYMPOSIUM ON ADVA...
(1) Environmental Engineering and Manag... WOS	(1) Icem International Conference on Electrical M...
(1) International Journal of Heat and Techn... WOS	(1) UPB Scientific Bulletin, Series D: Mechanical E...
(1) Polymer Thin Films	(1) Proceedings of the Romanian Academy... WOS
(1) Applied Sciences WOS	(1) Rev Roumaine des Sciences Technique... WOS
(1) INTERNATIONAL SEMICONDUCTOR CONFER...	(1) Metalurgia International

MANUSCRIPTS PUBLISHED (50)

From date range January 2005 - September 2021

**TIMES CITED
(ALL TIME)**

A Comparative Study of Polypyrrole and Ag/Polypyrrole Hybrid Nanocomposites as Sensitive Material Used for New Dry Polarizable Bioimpedance Sensors

0

Authors (5): Telipan, Gabriela; Pislaru-Danescu, Lucian ... Marinescu, Virgil
Published: May 2021 in Applied Sciences
DOI: 10.3390/APP11094168
Web of Science accession number: WOS:000649953300001

Signal Conditioning provided by Sensitive Elements of Electric Bioimpedance Sensors

Authors (3): Lucian PÎSLARU-DĂNESCU; Victor STOICA; Gabriela TELIPAN
Published: Feb 2021 in Electrotehnica, Electronica, Automatica
DOI: 10.46904/EEA.21.69.1.1108007

Distribution of Magnetic Field and Exposure Level Around of Overhead Power Lines

Authors (2): Eleonora DARIE; Lucian PÎSLARU-DĂNESCU
Published: Nov 2020 in Electrotehnica, Electronica, Automatica
DOI: 10.46904/EEA.20.68.4.1108008

Ag/polypyrrole composites for polarizable dry microsensor used in bioimpedance measurement

0

Authors (4): Telipan, G.; Pislaru-Danescu, L. ... Marinescu, V
Published: Oct 2020 in INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), 34TH EDITION, VOLS 1 AND 2
DOI: 10.1109/CAS50358.2020.9267982
Web of Science accession number: WOS:000637264600005

NUMERICAL SIMULATION ANALYSIS OF A LINEAR MAGNETOSTRICTIVE ACTUATOR

0

Authors (4): Veli, Yelda; Morega, Alexandru-Mihail ... Morega, Mihaela
Published: Jul 2020 in Rev Roumaine des Sciences Techniques-Series Electrotechnique et Energetique
Web of Science accession number: WOS:000608261900002

Prototyping a Proportionally Electromagnetic Actuator with Wide Displacement of its Mobile Part

0

Authors (4): Pislaru-Danescu, L.; Morega, A. M. ... Dobre, A. A.
Published: Mar 2019 in 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)
DOI: 10.1109/ATEE.2019.8724916
Web of Science accession number: WOS:000475904500073

The Design of the Secondary Electrical Circuit of a Flyback Transformer with Hybrid Magnetic Core

0

Authors (5): Veli, Yelda; Morega, Alexandru M. ... Telipan, Gabriela
Published: Mar 2019 in 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)
DOI: 10.1109/ATEE.2019.8724983
Web of Science accession number: WOS:000475904500138

The power quality in an office building environment

Authors (3): Darie, E.; Pislaru-Dănescu, L.; El-Leathey, L.-A.
Published: 2019 in EEA - Electrotehnica, Electronica, Automatica

Magnetic field distribution from a transformer substation of 1600 kVA, 20/0.4 kV and the occupational exposure implications

Authors (2): Darie, E.; Pîslaru-Dănescu, L.

Published: 2019 in EEA - Electrotehnica, Electronica, Automatica

Numerical Modeling of a Flyback Converter with Different Magnetic Media, for Micro-Power Controllers 0

Authors (4): Veli, Yelda; Morega, Alexandru M. ... Morega, Mihaela

Published: Oct 2018 in International Conference on Applied and Theoretical Electricity (ICATE)

DOI: 10.1109/ICATE.2018.8551391

Web of Science accession number: WOS:000487278600024

Miniature Planar Spiral Transformer With Hybrid, Ferrite, and Magnetic Nanofluid Core 3

Authors (9): Pîslaru-Danescu, Lucian; Morega, Alexandru M. ... Popa, Marius

Published: Oct 2018 in IEEE Transactions on Magnetics

DOI: 10.1109/TMAG.2018.2864162

Web of Science accession number: WOS:000445253900001

Synthesis and Characterization of Antireflective ZnO Nanoparticles Coatings Used for Energy Improving Efficiency of Silicone Solar Cells 3

Authors (6): Pîslaru-Danescu, Lucian; Chitanu, Elena ... Sbarcea, Beatrice-Gabriela

Published: May 2018 in Electronic Materials Letters

DOI: 10.1007/S13391-018-0028-Z

Web of Science accession number: WOS:000431125500015

Assessment of a smart home power quality measurement data

Authors (3): Darie, E.; El-Leathey, L.-A.; Pîslaru-Dănescu, L.

Published: 2018 in EEA - Electrotehnica, Electronica, Automatica

Numerical Modeling of a Planar Transformer for Micro-Power Controllers 1

Authors (4): Veli, Yelda; Morega, Alexandru M. ... Pîslaru-Danescu, Lucian

Published: Mar 2017 in 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)

DOI: 10.1109/ATEE.2017.7905119

Web of Science accession number: WOS:000403399400041

Analysis of Piezoelectric Structures Based on New Modified PZT Zirconate Titanate Designed for Energy Harvesting Applications 0

Authors (4): Pîslaru-Danescu, L.; Morega, M. ... Pinteau, J.

Published: Mar 2017 in 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)

DOI: 10.1109/ATEE.2017.7905075

Web of Science accession number: WOS:000403399400164

Improvement of Polycrystalline Solar Cells Operation under Low Solar Radiation Conditions by Using ZnO Nanostructured Materials 2

Authors (8): Chitanu, E.; Pîslaru-Danescu, L. ... Sbarcea, B. G.

Published: Mar 2017 in 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)

DOI: 10.1109/ATEE.2017.7905074

Web of Science accession number: WOS:000403399400149

- COMPACT, INTERDIGITATED CONSTRUCTAL DESIGN APPLIED TO SUPERCAPACITOR SYSTEMS 0
Authors (5): Morega, A.M.; Ordonez, J. ... Dobre, A.A.
Published: 2017 in Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science
Web of Science accession number: WOS:000418803300028
- Behaviour analysis of the lead-zirconate-titanate (PZT) piezo-actuator for different wave excitation. A comparative study
Authors (4): Arnau Cubillo, A.; Pislaru-Dănescu, L. ... Lipcinski, D.
Published: 2017 in EEA - Electrotehnica, Electronica, Automatica
- A new type of linear magnetostrictive motor 2
Authors (6): Pislaru-Danescu, Lucian; Morega, Alexandu M. ... Babutanu, Corina Alice
Published: 2017 in Electrical Engineering
DOI: 10.1007/S00202-016-0388-Z
Web of Science accession number: WOS:000401692600014
- High frequency miniature planar transformer for energy harvesting applications
Authors (4): Jean B. Dumitru; Alexandru Morega ... Lucian Pislaru-Danescu
Published: Oct 2016 in International Conference and Exposition on Electrical and Power Engineering (EPE)
DOI: 10.1109/ICEPE.2016.7781385
- Piezoelectric Ultrasonic Traveling Wave Motor 0
Authors (3): Alexandru M. Morega; Mihaela Morega; Lucian Pislaru-Danescu
Published: Oct 2016 in International Conference on Applied and Theoretical Electricity (ICATE)
DOI: 10.1109/ICATE.2016.7754661
Web of Science accession number: WOS:000390767500060
- New Harvesting System Based on Photovoltaic Cells with Antireflexive ZnO Nanoparticles Coatings and DC/DC Isolation Conversion 2
Authors (8): Pislaru-Danescu, Lucian; Chitanu, Elena ... Babutanu, Corina Alice
Published: Sep 2016 in PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL FRIENDLY ENERGIES AND APPLICATIONS (EFEA)
DOI: 10.1109/EFEA.2016.7748798
Web of Science accession number: WOS:000390268800034
- Preparation and Characterization of CeO₂–Y₂O₃ Binary-Oxides and Their CO₂ Gas-Sensing Properties
Authors (5): Gabriela Telipan; Lucian Pislaru-Dănescu ... Dragos Ovezee
Published: Feb 2016 in Sensor Letters
DOI: 10.1166/SL.2016.3604
- SHAPE AND STRUCTURE OPTIMIZATION OF A MAGNETOSTRICTIVE CORED ACTUATOR 1
Authors (4): Morega, Alexandu M.; Popa, Marius ... Pislaru-Danescu, Lucian
Published: Jan 2016 in International Journal of Heat and Technology
DOI: 10.18280/IJHT.34S115
Web of Science accession number: WOS:000383470400016

- ASSESMENT OF WIND ENERGY DENSITY PROBABILITY BY USING THE WEIBULL DISTRIBUTION FUNCTION. A STUDY CASE** **0**
Published: 2016 in ENERGY AND CLEAN TECHNOLOGIES CONFERENCE PROCEEDINGS, SGEM 2016, VOL I
DOI: 10.5593/SGEM2016/B41/S17.019
Web of Science accession number: WOS:000391348600019
- Microgrids smart structures used for back-up power supply**
Authors (3): Pislaru-Dănescu, L.; Lipan, L.-C.; El-Leathay, L.-A.
Published: 2016 in EEA - Electrotehnica, Electronica, Automatica
- Numerical Study of the Stator Motion in a Piezoelectric Ultrasonic Motor** **2**
Authors (4): A. M. Morega; G. Robello ... L. Pislaru-Danescu
Published: May 2015 in 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)
DOI: 10.1109/ATEE.2015.7133878
Web of Science accession number: WOS:000368159800115
- Electronic Drive System of a Linear Magnetostrictive Motor Designed for Outer Space Applications** **2**
Authors (6): Pislaru-Danescu, L.; Morega, A. M. ... Flore, L.
Published: May 2015 in 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)
DOI: 10.1109/ATEE.2015.7133769
Web of Science accession number: WOS:000368159800040
- A new electronic active system for protection to quench hazard in high temperature superconducting coils**
Authors (5): L. Pislaru-Danescu; A. M. Morega ... I. Dobrin
Published: May 2015 in International Symposium on Advanced Topics in Electrical Engineering (ATEE)
DOI: 10.1109/ATEE.2015.7133889
- New Energy Harvesting Systems, Designed for New Piezoelectric Transducers, with Charging Energy Management** **2**
Authors (5): Pislaru-Danescu, Lucian; Lipan, Laurentiu Constantin ... Dumitru, Alina
Published: Oct 2014 in International Conference and Exposition on Electrical and Power Engineering (EPE)
DOI: 10.1109/ICEPE.2014.6969989
Web of Science accession number: WOS:000353565300119
- Magnetic Nanofluid Applications in Electrical Engineering** **24**
Authors (6): Pislaru-Danescu, Lucian; Morega, Alexandru M. ... Marinescu, Virgil
Published: Nov 2013 in IEEE Transactions on Magnetics
DOI: 10.1109/TMAG.2013.2271607
Web of Science accession number: WOS:000326246500015
- FLOW PATTERNS IN THE MAGNETIC NANOFUID CORE OF A MINIATURE PLANAR SPIRAL TRANSFORMER** **1**
Authors (4): Morega, Alexandru Mihail; Dumitru, Jean Bogdan ... Pislaru-Danescu, Lucian
Published: Jun 2013 in Environmental Engineering and Management Journal
DOI: 10.30638/EEMJ.2013.144
Web of Science accession number: WOS:000325632500009

A parametric study of lumped circuit parameters of a miniature planar spiral transformer

Authors (4): J. B. Dumitru; A. M. Morega ... M. Morega

Published: May 2013 in International Symposium on Advanced Topics in Electrical Engineering (ATEE)

DOI: 10.1109/ATEE.2013.6563477

New Concept of Measurement Apparatus for the in situ Electrical Resistivity of Concrete Structures

0

Authors (4): L. Pislaru-Danescu; A. M. Morega ... V. Stoica

Published: May 2013 in 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)

DOI: 10.1109/ATEE.2013.6563531

Web of Science accession number: WOS:000332928500185

Prototyping a Ferrofluid-Cooled Transformer

21

Authors (9): Pislaru-Danescu, Lucian; Morega, Alexandru M. ... Borbath, Tuende

Published: May 2013 in IEEE Transactions on Industry Applications

DOI: 10.1109/TIA.2013.2252872

Web of Science accession number: WOS:000319152500033

Magnetic and Electric Sizing of a Miniature Planar Spiral Transformer

1

Authors (5): Morega, A. M.; Morega, M. ... Stoica, V.

Published: Oct 2012 in International Conference and Exposition on Electrical and Power Engineering (EPE)

DOI: 10.1109/ICEPE.2012.6463572

Web of Science accession number: WOS:000324685300118

Design and implementation of a Combined Cooling, Heating and Power Plant to support data centre supply reliability

Authors (6): Laurentiu Constantin Lipan; Lucian Pislaru-Danescu ... Gheorghe Comanescu

Published: Sep 2012 in International Universities Power Engineering Conference (UPEC)

DOI: 10.1109/UPEC.2012.6398623

A Novel Microactuator Device Based on Magnetic Nanofluid

3

Authors (3): Morega, Alexandru M.; Pislaru-Danescu, Lucian; Morega, Mihaela

Published: 2012 in PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOLS 1-5

Web of Science accession number: WOS:000398866700164

Gas sensing properties of 1-D ZnO obtained by hydrothermal process

2

Authors (5): Telipan, G.; Pislaru-Danescu, L. ... Zarnescu, G.

Published: May 2011 in Optoelectronics and Advanced Materials, Rapid Communications

Web of Science accession number: WOS:000292891400037

A Novel Magnetostrictive Injection Actuator Based on New Giant Magnetostrictive Materials

3

Authors (3): Pislaru-Danescu, L.; Morega, A. M.; Morega, M.

Published: 2011 in 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)

Web of Science accession number: WOS:000310701200122

- A Novel, Ferrofluid-Cooled Transformer. Electromagnetic Field and Heat Transfer by Numerical Simulation 8
Authors (6): Morega, A. M.; Morega, M. ... Stoian, F. D.
Published: May 2010 in PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOLS 1-5
DOI: 10.1109/OPTIM.2010.5510425
Web of Science accession number: WOS:000291967300016
- Organo-siloxane supramolecular polymers used in CO₂ detection-Polymer thin film 1
Published: 2010 in Polymer Thin Films
DOI: 10.5772/8398
Web of Science accession number: WOS:000363637600016
- Nanoparticles of ferrofluid Fe₃O₄ synthetised by coprecipitation method used in microactuation process
Authors (4): Pislaru-Danescu, L.; Morega, A. ... Stoica, V.
Published: 2010 in Optoelectronics and Advanced Materials, Rapid Communications
- Nanoparticles of ferrofluid Fe₃O₄ synthetised by coprecipitation method used in microactuation process 15
Authors (4): Pislaru-Danescu, L.; Morega, A. ... Stoica, V.
Published: 2010 in Optoelectronics and Advanced Materials, Rapid Communications
Web of Science accession number: WOS:000281734800030
- The Determination of the Total Magnetic Losses in the Stator of the Asynchronous Electrical Micromachines Fed with Pulse Width Modulation, PWM, and with Triangular Waveforms, Respectively 0
Authors (4): Lucian Pislaru-Danescu; Mircea Ignat ... Victor Stoica
Published: 2009 in Icem International Conference on Electrical Machines, Vols 1- 4
DOI: 10.1109/ICELMACH.2008.4800072
Web of Science accession number: WOS:000269315000254
- Sensor and apparatus for CO₂ detector with organo-siloxane supramolecular polymers sensitive layer
Authors (3): Telipan, G.; Paslaru-Danescu, L.; Racles, C.
Published: 2008 in Metalurgia International
- CO₂ Detector Based on Organo-Siloxane Supramolecular Polymer 1
Authors (3): Telipan, G.; Pislaru-Danescu, L.; Racles, C.
Published: 2008 in ESTC: ELECTRONICS SYSTEM-INTEGRATION TECHNOLOGY CONFERENCE, VOLS 1 AND 2, PROCEEDINGS
DOI: 10.1109/ESTC.2008.4684529
Web of Science accession number: WOS:000261094400220
- Aspects about applications of magnetostrictive macroactuator in oil industry 2
Authors (3): Mircea Ignat; Cristinel Ioan Haraguta; Lucian Paslaru
Published: Sep 2007 in International Aegean Conference on Electrical Machines and Power Electronics & Electromotion, Proceedings
DOI: 10.1109/ACEMP.2007.4510486
Web of Science accession number: WOS:000256943100013

Piezoelectric micromotor with coaxial cylindrical convertor

0

Authors (3): Ignat, Mircea; Zarnescu, George; Pislaru-Danescu, Lucian

Published: Sep 2007 in International Aegean Conference on Electrical Machines and Power Electronics & Electromotion, Proceedings

DOI: 10.1109/ACEMP.2007.4510490

Web of Science accession number: WOS:000256943100017

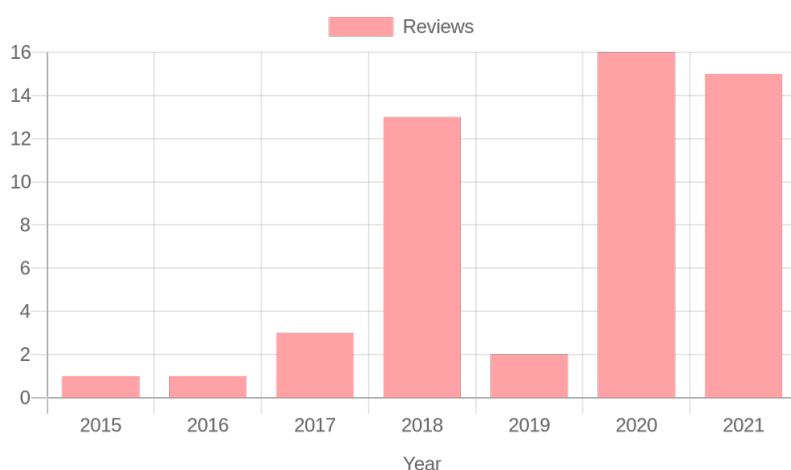
Electro - Hydraulic modeling and evaluation of transitory processes as part of in line fuel injection systems for diesel engines, by adapted sonic circuits

Authors (2): Pislaru-Dănescu, L.; Panaitescu, V.N.

Published: 2005 in UPB Scientific Bulletin, Series D: Mechanical Engineering

Verified reviews

REVIEW SUMMARY



REVIEWER SUMMARY

For manuscripts reviewed from date range January 2005 - September 2021

(13) Energies	WOS	(13) Sensors	WOS
(8) IEEE Transactions on Industrial Electro...	WOS	(5) Actuators	WOS
(5) Materials	WOS	(2) International Journal of Electrical Engineering ...	
(2) Journal of Magnetism and Magnetic M...	WOS	(1) Applied Sciences	WOS
(1) Journal of Inorganic and Organometalli...	WOS	(1) IET Science, Measurement and Technol...	WOS

51 REVIEWS OF 36 MANUSCRIPTS

From date range January 2005 - September 2021

Experimental investigations of different loudspeakers applied as synthetic jet actuators

2 rounds from Jul 2021 to Aug 2021 for Actuators

A Novel Excitation Method for Piezoelectric Stick-slip Actuator to Eliminate Rollback and Generate Precise Smooth Motion

Reviewed: Aug 2021 for IEEE Transactions on Industrial Electronics

Sensitivity of Racing Tire Sliding Energy to Major Setup Changes: an Estimate Based on Standard Sensors

2 rounds from Jul 2021 to Aug 2021 for Energies

A Compact Ultrasonic Burnishing System for High Precision Planar Burnishing: Design and Performance Evaluation

2 rounds from May 2021 to Jul 2021 for IEEE Transactions on Industrial Electronics

Helmholtz Resonance Frequency of the Synthetic Jet Actuator

Reviewed: May 2021 for Applied Sciences

Structural, Morphological and Optical Bandgap Analysis of Multifunction Applications of Y2O3 -ZnO Nanocomposites : Varistors and Visible Photocatalytic Degradations of Wastewater

Reviewed: May 2021 for Journal of Inorganic and Organometallic Polymers and Materials

Design of a Piezoelectric Energy Conversion Based Wind Generator

2 rounds from Feb 2021 to Mar 2021 for International Journal of Electrical Engineering Education

Finite Element Modeling and Performance Evaluation of Piezoelectric Energy Harvesters with Various Piezoelectric Unit Distributions

2 rounds from Feb 2021 to Mar 2021 for Materials

A Compact 2-DOF Micro/Nano Manipulator Using Single Miniature Piezoelectric Tube Actuator

2 rounds from Jan 2021 to Mar 2021 for IEEE Transactions on Industrial Electronics

Design and analysis of quad-trapezoidal-leg orthoplanar spring for Piezoelectric vibration energy harvester

2 rounds from Nov 2020 to Nov 2020 for Energies

A heat exchanger based on the piezoelectric pump for CPU cooling

Reviewed: Sep 2020 for IEEE Transactions on Industrial Electronics

Multi-enzyme immobilization onto a capacitive field-effect biosensor by nano-spotting technique

2 rounds from Aug 2020 to Aug 2020 for Sensors

Fluid Degradation Measurement Based on a Dual Coil Frequency Response Analysis

2 rounds from Jun 2020 to Jul 2020 for Sensors

A Theoretical and Empirical Investigation of Design Characteristics in a Pb(Zr,Ti)O₃-Based Piezoelectric Accelerometer

2 rounds from Jun 2020 to Jun 2020 for Sensors

Monitoring with In Vivo Electrochemical Sensors: Navigating the Complexities of Blood and Tissue Reactivity

Reviewed: May 2020 for Sensors

Modeling and Experimental Study of Oil-cooled Stacked Giant Magnetostrictive Actuator for Servo Valve

2 rounds from Apr 2020 to Apr 2020 for Actuators

Performance Enhancement of Direct Torque-Controlled Permanent Magnet Synchronous Motor with a Flexible Switching Table

2 rounds from Mar 2020 to Apr 2020 for Energies

Phase evolution, filler-matrix interactions and piezoelectric properties in lead zirconate titanate (PZT) filled polymer derived ceramics (PDCs)

Reviewed: Mar 2020 for Materials

Design and Experimental Validation of a 3-DOF Force Feedback System Featuring Spherical Manipulator and Magneto-rheological Actuators

Reviewed: Mar 2020 for Actuators

Design and Experiments of a Piezoelectric Motor Using Three Rotating Mode Actuators

Reviewed: Nov 2019 for Sensors

Novel Adhesion Technique Using Metallic or Non-Metallic Hydrous Oxide of Metal Complexes Involving Magnetic Compound Fluid Rubber under Electrolytic Polymerization and Magnetic Field for Producing Sensors

Reviewed: Jan 2019 for Sensors

Pulse current sources for plasma accelerators

2 rounds from Oct 2018 to Oct 2018 for Energies

A Novel Step-Up Converter with an Ultrahigh Voltage Conversion Ratio

2 rounds from Sep 2018 to Oct 2018 for Energies

Performance Optimization of a Photovoltaic Inverter Based on a New DPWM Overmodulation Algorithm

2 rounds from Jul 2018 to Sep 2018 for Energies

A Compound Controller Design for a Buck Converter

Reviewed: Aug 2018 for Energies

Experimental Verification of the Pumping Effect Caused by the Micro-Tapered Hole in a Piezoelectric Atomizer

Reviewed: Jul 2018 for Sensors

Elastic MCF Rubber with Photovoltaics and Sensing on Hybrid Skin (H-Skin) for Artificial Skin by Utilizing Natural Rubber: Third Report on Electric Charge and Storage under Tension and Compression

Reviewed: May 2018 for Sensors

A Friction-Inertial-Based Rotary Motor: Design, Modelling and Experiments

Reviewed: May 2018 for Materials

Laminar ferrofluid heat transfer in presence of non-uniform magnetic field in a channel with sinusoidal wall: A numerical study

Reviewed: May 2018 for Journal of Magnetism and Magnetic Materials

Effect of Weight on the Resonant Tuning of Energy Harvesting Devices Using Giant Magnetostrictive Materials

Reviewed: Apr 2018 for Materials

The Effect of Vibration Characteristics on the Atomization Rate in a Micro-Tapered Aperture Atomizer

Reviewed: Feb 2018 for Sensors

Analysis on Coupled Vibration of a Radially Polarized Piezoelectric Cylindrical Transducer

Reviewed: Oct 2017 for Sensors

Design-Oriented Modelling of Axial-Flux Variable-Reluctance Resolver Based on Magnetic Equivalent Circuits and Schwarz-Christoffel Mapping

Reviewed: Jul 2017 for IEEE Transactions on Industrial Electronics

Study on Simulation Cooling Test for Oil-immersed Split Cooling Type

Reviewed: Jul 2017 for IET Science, Measurement and Technology

Feasibility study of electrical resistance tomography on concrete structures

Reviewed: Dec 2016 for IEEE Transactions on Industrial Electronics

A multi-phase ferrofluid flow model with equation of state for thermomagnetic pumping and heat transfer

Reviewed: Nov 2015 for Journal of Magnetism and Magnetic Materials
