

# Constantin L Filote

## List of Publications by Year in descending order

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59  
papers

691  
citations

840585

11  
h-index

610775

24  
g-index

61  
all docs

61  
docs citations

61  
times ranked

597  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | An overview and performance evaluation of open charge point protocol from an electromobility concept perspective. International Journal of Energy Research, 2022, 46, 523-543.  | 2.2 | 9         |
| 2  | Electric Vehicle Smart Charging Reservation Algorithm. Sensors, 2022, 22, 2834.   | 2.1 | 6         |
| 3  | Smart Scheduling of Electric Vehicles Based on Reinforcement Learning. Sensors, 2022, 22, 3718.   | 2.1 | 8         |
| 4  | Considerations Regarding the Green Retrofitting of Residential Buildings From Human Wellbeing Perspectives. , 2021, , 274-307.  |     | 0         |
| 5  | Design Development and Analysis of a Partially Superconducting Axial Flux Motor Using YBCO Bulks. Materials, 2021, 14, 4295.  | 1.3 | 3         |
| 6  | Sewage Sludge Derived Materials for CO2 Adsorption. Applied Sciences (Switzerland), 2021, 11, 7139.   | 1.3 | 19        |
| 7  | An Analytical Solution for Non-Linear Viscoelastic Impact. Mathematics, 2021, 9, 1849.  | 1.1 | 2         |
| 8  | Coal Fly Ash Derived Silica Nanomaterial for MMMs Application in CO2/CH4 Separation. Membranes, 2021, 11, 78.   | 1.4 | 27        |
| 9  | Design Patterns and Electric Vehicle Charging Software. Applied Sciences (Switzerland), 2021, 11, 140.  | 1.3 | 2         |
| 10 | Environmental impact assessment of green energy systems for power supply of electric vehicle charging station. International Journal of Energy Research, 2020, 44, 10471-10494. | 2.2 | 44        |
| 11 | A New Adaptive Spatial Filtering Method in the Wavelet Domain for Medical Images. Applied Sciences (Switzerland), 2020, 10, 5693.   | 1.3 | 4         |
| 12 | The Electrical Vehicle Simulator for Charging Station in Mode 3 of IEC 61851-1 Standard. Energies, 2020, 13, 176.   | 1.6 | 21        |
| 13 | Green Hybrid Energy for Office Building. E3S Web of Conferences, 2019, 111, 04026.  | 0.2 | 4         |
| 14 | Concentrating Solar Power Technologies. Energies, 2019, 12, 1048.   | 1.6 | 48        |
| 15 | Design and Simulation of Romanian Solar Energy Charging Station for Electric Vehicles. Energies, 2019, 12, 74.  | 1.6 | 38        |
| 16 | Proton-Exchange Membrane Fuel Cells: The Renewable Energy Era. , 2019, , .  |     | 1         |
| 17 | A Methodology for the Fast Comparison of Streamwater Diurnal Cycles at Two Monitoring Points. Water (Switzerland), 2019, 11, 2524.  | 1.2 | 3         |
| 18 | Hydrogen Fuel Cell Technology for the Sustainable Future of Stationary Applications. Energies, 2019, 12, 4593.  | 1.6 | 218       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Considerations Regarding the Green Retrofitting of Residential Buildings From Human Wellbeing Perspectives. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 143-175. | 0.3 | 3         |
| 20 | Heating Systems. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 283-307.  | 0.3 | 0         |
| 21 | Design and Concept of an Energy System Based on Renewable Sources for Greenhouse Sustainable Agriculture. Energies, 2018, 11, 1201.  | 1.6 | 27        |
| 22 | Hybrid Electric Powertrain with Fuel Cells for a Series Vehicle. Energies, 2018, 11, 1294.   | 1.6 | 22        |
| 23 | Performance comparison of a WebRTC server on Docker versus virtual machine. , 2016, , .  |     | 18        |
| 24 | OpenStack and Docker: Building a high-performance IaaS platform for interactive social media applications. , 2016, , .   |     | 8         |
| 25 | Experimental Highlight of Hysteresis Phenomenon in Rolling Contact. Journal of Physics: Conference Series, 2015, 585, 012010.  | 0.3 | 2         |
| 26 | Method of Integration for Equation of Two Balls in Dumped Collision. Journal of Physics: Conference Series, 2015, 585, 012008.   | 0.3 | 2         |
| 27 | Topologies of three-phase rectifier with near sinusoidal input currents &#x2014; A comparative analysis of power quality indices using FFT and DWT. , 2014, , .  |     | 2         |
| 28 | Discrete event diagnosis of environment impacts. , 2014, , .   |     | 0         |
| 29 | The usage of Discrete Wavelet Transform in voltage and current waveforms analysis in Three-Phase Systems with Balanced or Unbalanced Loads. , 2014, , .  |     | 3         |
| 30 | Harmonic analysis based on Discrete Wavelet Transform in electric power systems. , 2014, , .   |     | 7         |
| 31 | Harmonic analysis of power quality indices based on DWT using three-phase modern converters. , 2014, , .   |     | 1         |
| 32 | Comparative harmonic analysis of power-quality indices in three-phase power systems. , 2014, , .   |     | 2         |
| 33 | CONSIDERATIONS UPON A NEW TRIPOD JOINT SOLUTION. Mechanika, 2013, 19, .  | 0.3 | 11        |
| 34 | New Models for ICT-Based Medical Diagnosis. , 2013, , 892-911.   |     | 1         |
| 35 | MONITORING OF GROUNDWATER QUALITY IN SOME VULNERABLE AREAS IN BOTOSANI COUNTY FOR NITRATES AND NITRITES BASED POLLUTANTS. Environmental Engineering and Management Journal, 2012, 11, 471-479.         | 0.2 | 6         |
| 36 | Variants of rectifiers with near sinusoidal input currents â€œ a comparative analysis with the conventional diode rectifier. IET Power Electronics, 2011, 4, 632.                                      | 1.5 | 19        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Harmonie elimination and power factor improvement of three-phase rectifier using RNSIC variant. , 2011, , .                         |     | 7         |
| 38 | Advanced discrete event systems algorithms for control systems diagnose. , 2010, , .  |     | 0         |
| 39 | Indoor Inter-Robot Distance Measurement in Collaborative Systems. Advances in Electrical and Computer Engineering, 2010, 10, 21-26. | 0.5 | 9         |
| 40 | Power Factor Improvement using RNSIC Rectifier. , 2010, , .   |     | 0         |
| 41 | An analysis of Rectifier with Near Sinusoidal input current. , 2009, , .  |     | 6         |
| 42 | Formalisms for modelling the discrete manufacturing systems. , 2009, , .  |     | 0         |
| 43 | Environmental issues in power plants nonreactive processes. , 2009, , .   |     | 0         |
| 44 | Diagnosis of Robotized Assembling Systems. Lecture Notes in Electrical Engineering, 2009, , 427-436.                                | 0.3 | 1         |
| 45 | Safety Discrete Event Models for Holonic Cyclic Manufacturing Systems. Lecture Notes in Computer Science, 2009, , 225-233.          | 1.0 | 6         |
| 46 | Holonic Models for Traffic Control Systems. Lecture Notes in Computer Science, 2009, , 276-284.                                     | 1.0 | 4         |
| 47 | Analysis of the two-quadrant converter with rectifier with near sinusoidal input currents. IET Power Electronics, 2008, 1, 224.     | 1.5 | 18        |
| 48 | Robust-Adaptive Flux Observer in High Performance Vector Control of Induction Motors. , 2008, , .                                   |     | 5         |
| 49 | Scheduling availability of discrete event systems. , 2008, , .  |     | 2         |
| 50 | Intelligent control of dependability workflows. , 2008, , .   |     | 1         |
| 51 | New Models for Immune Mechanism Diagnosis. Lecture Notes in Computer Science, 2008, , 1-11.   | 1.0 | 1         |
| 52 | Control Charts of Workflows. Lecture Notes in Computer Science, 2008, , 330-344.  | 1.0 | 2         |
| 53 | Reliability Markov Chains for Security Data Transmitter Analysis. , 2007, , .   |     | 11        |
| 54 | A New Formalism for Failure Diagnosis: Ant Colony Decision Petri Nets. Journal of Software, 2007, 2, .                              | 0.6 | 8         |

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|----|--|-----|-----------|
| 55 | Diagnosis of complex systems using ant colony decision Petri nets. , 2006, , .   |     | 8         |
| 56 | Workflows in Constructions Modelled with Stochastic Artificial Social Systems. , 2006, , .   |     | 2         |
| 57 | Safety Discrete Event Models for Production Lines with Shared Resources. , 2005, , .   |     | 2         |
| 58 | Petri Net Based Diagnosis for Construction Design. , 2005, , .   |     | 2         |
| 59 | Some Consideration Regarding the Models for Collisions with Plastic Indentation. Applied Mechanics and Materials, 0, 658, 161-166. | 0.2 | 1         |