# Tomo Popovic

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 43 papers | 700 citations | 759233<br>12 h-index | 839539<br>18 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 791 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Forecasting Day-Ahead Electricity Metrics with Artificial Neural Networks. Sensors, 2022, 22, 1051. | 3.8 | 18 |
| 2 | Image-Based Parking Occupancy Detection Using Deep Learning and Faster R-CNN. , 2022, , . | | 3 |
| 3 | Blockchain-Based Transparency and Data Provenance in the Wine Value Chain. , 2022, , . | | 7 |
| 4 | An Internet of Things System for Environmental Monitoring Based on ESP32 and Blynk. , 2022, , . | | 3 |
| 5 | Face Mask Detection Based on Machine Learning and Edge Computing. , 2022, , . | | 2 |
| 6 | Detection of Plant Diseases Using Leaf Images and Machine Learning. , 2022, , . | | 1 |
| 7 | Applying natural language processing to analyze customer satisfaction. , 2021, , . | | 1 |
| 8 | Digital Transformation and Transparency in Wine Supply Chain Using OCR and DLT. , 2021, , . | | 6 |
| 9 | Pneumonia Detection Using Deep Learning Based on Convolutional Neural Network. , 2021, , . | | 25 |
| 10 | A novel solution for counterfeit prevention in the wine industry based on IoT, smart tags, and crowd-sourced information. Internet of Things (Netherlands), 2021, 14, 100375. | 7.7 | 17 |
| 11 | TREND database: Retinal images of healthy young subjects visualized by a portable digital non-mydriatic fundus camera. PLoS ONE, 2021, 16, e0254918. | 2.5 | 5 |
| 12 | Forecasting Day-Ahead Electricity Price with Artificial Neural Networks: a Comparison of Architectures. , 2021, , . | | 1 |
| 13 | An efficient phasor and frequency estimation algorithm for wide frequency range. Electric Power Systems Research, 2020, 180, 106124. | 3.6 | 5 |
| 14 | Precision Viticulture Using Wireless Sensor Network. , 2020, , . | | 5 |
| 15 | The Use of Tesseract OCR Number Recognition for Food Tracking and Tracing. , 2020, , . | | 10 |
| 16 | A Private Blockchain Implementation Using Multichain Open Source Platform. , 2020, , . | | 33 |
| 17 | Box-Counting Method in Python for Fractal Analysis of Biomedical Images. , 2020, , . | | 3 |
| 18 | Optimal Irrigation as a tool of Precision Agriculture. , 2019, , . | | 3 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Fractal characterization of retinal microvascular network morphology during diabetic retinopathy progression. Microcirculation, 2019, 26, e12531. | 1.8 | 15 |
| 20 | Regional Patterns in Retinal Microvascular Network Geometry in Health and Disease. Scientific Reports, 2019, 9, 16340. | 3.3 | 13 |
| 21 | Fractal dimension and lacunarity analysis of retinal microvascular morphology in hypertension and diabetes. Microvascular Research, 2018, 118, 36-43. | 2.5 | 60 |
| 22 | Manually segmented vascular networks from images of retina with proliferative diabetic and hypertensive retinopathy. Data in Brief, 2018, 18, 470-473. | 1.0 | 6 |
| 23 | A Moodle-based blended learning solution for physiology education in Montenegro: a case study. American Journal of Physiology - Advances in Physiology Education, 2018, 42, 111-117. | 1.6 | 35 |
| 24 | Smart tags for brand protection and anti-counterfeiting in wine industry. , 2018, , . | | 10 |
| 25 | Improved Frequency Estimation in Unbalanced Three-Phase Power System Using Coupled Orthogonal Constant Modulus Algorithm. IEEE Transactions on Power Delivery, 2017, 32, 1809-1816. | 4.3 | 32 |
| 26 | Voltage Stability Prediction Using Active Machine Learning. IEEE Transactions on Smart Grid, 2017, 8, 3117-3124. | 9.0 | 91 |
| 27 | Architecting an IoT-enabled platform for precision agriculture and ecological monitoring: A case study. Computers and Electronics in Agriculture, 2017, 140, 255-265. | 7.7 | 157 |
| 28 | Retinal blood vessels segmentation using ant colony optimization. , 2016, , . | | 3 |
| 29 | pyPMU â€" Open source python package for synchrophasor data transfer. , 2016, , . | | 10 |
| 30 | Precise sinusoid frequency estimation based on parabolic interpolation. , 2016, , . | | 18 |
| 31 | Getting ISO 9001 certified for software development using scrum and open source tools: a case study. Tehnicki Vjesnik, 2015, 22, . | 0.2 | 2 |
| 32 | Transmission line relay mis-operation detection based on time-synchronized field data. Electric Power Systems Research, 2015, 125, 174-183. | 3.6 | 15 |
| 33 | Smart grid data analytics for digital protective relay event recordings. Information Systems Frontiers, 2015, 17, 591-600. | 6.4 | 13 |
| 34 | Implementation requirements for automated fault data analytics in power systems. International Transactions on Electrical Energy Systems, 2015, 25, 731-752. | 1.9 | 5 |
| 35 | Circuit breaker operational health assessment via condition monitoring data. , 2014, , . | | 14 |
| 36 | Reliable Implementation of Robust Adaptive Topology Control. , 2014, , . | | 17 |

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|---|---------|-----|-----------|
| 37 | Measures of Value: Data Analytics for Automated Fault Analysis. IEEE Power and Energy Magazine, 2012, 10, 58-69. | 1.6 | 8 |
| 38 | Integration of Substation Data. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12861-12866. | 0.4 | 0 |
| 39 | Substation Automated Data Analysis: Deployment Challenges. , 2010, , . | | 0 |
| 40 | Automated fault analysis: From requirements to implementation. , 2009, , . | | 5 |
| 41 | Substation data integration and utilization. , 2009, , . | | 4 |
| 42 | Substation Data Integration for Automated Data Analysis Systems. IEEE Power Engineering Society General Meeting, 2007, , . | 0.0 | 13 |
| 43 | Integration of Substation Data. , 2007, , . | | 6 |