Tomo Popovic

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	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
2	Voltage Stability Prediction Using Active Machine Learning. IEEE Transactions on Smart Grid, 2017, 8, 3117-3124.	9.0	91
3	Fractal dimension and lacunarity analysis of retinal microvascular morphology in hypertension and diabetes. Microvascular Research, 2018, 118, 36-43.	2.5	60
4	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
5	A Private Blockchain Implementation Using Multichain Open Source Platform. , 2020, , .		33
6	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
7	Pneumonia Detection Using Deep Learning Based on Convolutional Neural Network. , 2021, , .		25
8	Precise sinusoid frequency estimation based on parabolic interpolation. , 2016, , .		18
9	Forecasting Day-Ahead Electricity Metrics with Artificial Neural Networks. Sensors, 2022, 22, 1051.	3.8	18
10	Reliable Implementation of Robust Adaptive Topology Control. , 2014, , .		17
11	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
12	Transmission line relay mis-operation detection based on time-synchronized field data. Electric Power Systems Research, 2015, 125, 174-183.	3.6	15
13	Fractal characterization of retinal microvascular network morphology during diabetic retinopathy progression. Microcirculation, 2019, 26, e12531.	1.8	15
14	Circuit breaker operational health assessment via condition monitoring data. , 2014, , .		14
15	Substation Data Integration for Automated Data Analysis Systems. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	13
16	Smart grid data analytics for digital protective relay event recordings. Information Systems Frontiers, 2015, 17, 591-600.	6.4	13
17	Regional Patterns in Retinal Microvascular Network Geometry in Health and Disease. Scientific Reports, 2019, 9, 16340.	3.3	13
18	pyPMU â€" Open source python package for synchrophasor data transfer. , 2016, , .		10

#	Article	IF	Citations
19	Smart tags for brand protection and anti-counterfeiting in wine industry. , 2018, , .		10
20	The Use of Tesseract OCR Number Recognition for Food Tracking and Tracing. , 2020, , .		10
21	Measures of Value: Data Analytics for Automated Fault Analysis. IEEE Power and Energy Magazine, 2012, 10, 58-69.	1.6	8
22	Blockchain-Based Transparency and Data Provenance in the Wine Value Chain. , 2022, , .		7
23	Integration of Substation Data. , 2007, , .		6
24	Manually segmented vascular networks from images of retina with proliferative diabetic and hypertensive retinopathy. Data in Brief, 2018, 18, 470-473.	1.0	6
25	Digital Transformation and Transparency in Wine Supply Chain Using OCR and DLT. , 2021, , .		6
26	Automated fault analysis: From requirements to implementation. , 2009, , .		5
27	Implementation requirements for automated fault data analytics in power systems. International Transactions on Electrical Energy Systems, 2015, 25, 731-752.	1.9	5
28	An efficient phasor and frequency estimation algorithm for wide frequency range. Electric Power Systems Research, 2020, 180, 106124.	3.6	5
29	Precision Viticulture Using Wireless Sensor Network. , 2020, , .		5
30	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
31	Substation data integration and utilization. , 2009, , .		4
32	Retinal blood vessels segmentation using ant colony optimization. , 2016, , .		3
33	Optimal Irrigation as a tool of Precision Agriculture. , 2019, , .		3
34	Box-Counting Method in Python for Fractal Analysis of Biomedical Images. , 2020, , .		3
35	Image-Based Parking Occupancy Detection Using Deep Learning and Faster R-CNN. , 2022, , .		3
36	An Internet of Things System for Environmental Monitoring Based on ESP32 and Blynk. , 2022, , .		3

#	Article	IF	Citations
37	Getting ISO 9001 certified for software development using scrum and open source tools: a case study. Tehnicki Vjesnik, 2015, 22, .	0.2	2
38	Face Mask Detection Based on Machine Learning and Edge Computing. , 2022, , .		2
39	Applying natural language processing to analyze customer satisfaction. , 2021, , .		1
40	Forecasting Day-Ahead Electricity Price with Artificial Neural Networks: a Comparison of Architectures. , 2021, , .		1
41	Detection of Plant Diseases Using Leaf Images and Machine Learning. , 2022, , .		1
42	Substation Automated Data Analysis: Deployment Challenges. , 2010, , .		0
43	Integration of Substation Data. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12861-12866.	0.4	0