

Davor Svetinovic

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53

papers

1,465

citations

18

h-index

38

g-index

65

ext. papers

1,904

ext. citations

4.5

avg, IF

5.83

L-index

#	Paper	IF	Citations
53	Towards situational aware cyber-physical systems: A security-enhancing use case of blockchain-based digital twins. <i>Computers in Industry</i> , 2022 , 141, 103699	11.6	2
52	Device-centric adaptive data stream management and offloading for analytics applications in future internet architectures. <i>Future Generation Computer Systems</i> , 2021 , 114, 155-168	7.5	3
51	TrustFed: A Framework for Fair and Trustworthy Cross-Device Federated Learning in IIoT. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 8485-8494	11.9	10
50	Blockchain-Based Decentralized Reverse Bidding in Fog Computing. <i>IEEE Access</i> , 2020 , 8, 81686-81697	3.5	15
49	Trustworthy Blockchain Oracles: Review, Comparison, and Open Research Challenges. <i>IEEE Access</i> , 2020 , 8, 85675-85685	3.5	55
48	. <i>IEEE Access</i> , 2020 , 8, 43177-43190	3.5	22
47	Monetization of Services Provided by Public Fog Nodes Using Blockchain and Smart Contracts. <i>IEEE Access</i> , 2020 , 8, 20118-20128	3.5	21
46	Trust in Blockchain Cryptocurrency Ecosystem. <i>IEEE Transactions on Engineering Management</i> , 2020 , 67, 1196-1212	2.6	26
45	Improving Bitcoin Ownership Identification Using Transaction Patterns Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 9-20	7.3	17
44	The Anti-Social System Properties: Bitcoin Network Data Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 21-31	7.3	20
43	Blockchain for explainable and trustworthy artificial intelligence. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2020 , 10, e1340	6.9	30
42	2019 ,		2
41	IoT Public Fog Nodes Reputation System: A Decentralized Solution Using Ethereum Blockchain. <i>IEEE Access</i> , 2019 , 7, 178082-178093	3.5	51
40	Blockchain Technology in Supply Chain Management: Preliminary Study 2019 ,		5
39	. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2018 , 15, 840-852	3.9	594
38	Blockchain AI Framework for Healthcare Records Management: Constrained Goal Model 2018 ,		13
37	Semiautomatic System Domain Data Analysis: A Smart Grid Feasibility Case Study. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 3117-3127	7.3	6

36	Blockchain Engineering for the Internet of Things 2017 ,		3
35	Malware detection in android mobile platform using machine learning algorithms 2017 ,		11
34	Continuous integration build breakage rationale: Travis data case study 2017 ,		3
33	Autonomy requirements engineering for micro-satellite systems: CubeSat case study 2017 ,		1
32	Data Analysis of Correlation Between Project Popularity and Code Change Frequency. <i>Lecture Notes in Computer Science</i> , 2016 , 36-43	0.9	1
31	Data Analysis of Digital Currency Networks: Namecoin Case Study 2016 ,		8
30	Goal-Oriented Requirements Engineering for Research-Intensive Complex Systems: A Case Study. <i>Systems Engineering</i> , 2016 , 19, 322-333	1.8	1
29	Software analytics study of Open-Source system survivability through social contagion 2015 ,		3
28	Bitcoin-Based Decentralized Carbon Emissions Trading Infrastructure Model. <i>Systems Engineering</i> , 2015 , 18, 115-130	1.8	48
27	Data analysis of social community reputation: Good questions vs. good answers 2015 ,		1
26	Software Clone Detection Using Clustering Approach. <i>Lecture Notes in Computer Science</i> , 2015 , 520-527	0.9	3
25	Integrated smart grid systems security threat model. <i>Information Systems</i> , 2015 , 53, 147-160	2.7	32
24	Changes in Occupational Skills - A Case Study Using Non-negative Matrix Factorization. <i>Lecture Notes in Computer Science</i> , 2015 , 627-634	0.9	4
23	Exploring Social Contagion in Open-Source Communities by Mining Software Repositories. <i>Lecture Notes in Computer Science</i> , 2015 , 120-127	0.9	1
22	Tackling Class Imbalance Problem in Binary Classification using Augmented Neighborhood Cleaning Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 827-834	0.2	2
21	Complex Urban Systems ICT Infrastructure Modeling: A Sustainable City Case Study. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014 , 44, 363-374	7.3	10
20	NLP-KAOS for Systems Goal Elicitation: Smart Metering System Case Study. <i>IEEE Transactions on Software Engineering</i> , 2014 , 40, 941-956	3.5	19
19	Functional and Spatial System Model for City Infrastructure Systems: A City.Net IES Case Study. <i>Systems Engineering</i> , 2014 , 17, 62-76	1.8	1

18	System Security Requirements Analysis:A Smart Grid Case Study. <i>Systems Engineering</i> , 2014 , 17, 77-88	1.8	16
17	A taxonomy of security and privacy requirements for the Internet of Things (IoT) 2014 ,		38
16	Towards Reference Architecture for Cryptocurrencies: Bitcoin Architectural Analysis 2014 ,		17
15	Argumentation-Based Security Requirements Analysis: BitMessage Case Study 2014 ,		2
14	Data mining approach to fault detection for isolated inverter-based microgrids. <i>IET Generation, Transmission and Distribution</i> , 2013 , 7, 745-754	2.5	38
13	Evaluating the effectiveness of the security quality requirements engineering (SQUARE) method: a case study using smart grid advanced metering infrastructure. <i>Requirements Engineering</i> , 2013 , 18, 251-279	2.7	22
12	An optimization model for product returns using genetic algorithms and artificial immune system. <i>Resources, Conservation and Recycling</i> , 2013 , 74, 156-169	11.9	77
11	Strategic Closed-Loop Facility Location Problem With Carbon Market Trading. <i>IEEE Transactions on Engineering Management</i> , 2013 , 60, 398-408	2.6	93
10	Strategic requirements engineering for complex sustainable systems. <i>Systems Engineering</i> , 2013 , 16, 165-174	1.8	21
9	Smart Grid Wireless Network Security Requirements Analysis 2013 ,		3
8	Value models for engineering of complex sustainable systems. <i>Procedia Computer Science</i> , 2012 , 8, 53-58	1.6	2
7	Business interactions modeling for systems of systems engineering: Smart grid example 2012 ,		2
6	City.Net IES: A sustainability-oriented energy decision support system 2012 ,		5
5	. <i>IEEE Transactions on Smart Grid</i> , 2012 , 3, 692-709	10.7	18
4	Requirements Model for a High-Privacy Decentralized Carbon Emissions Trading Platform 2012 ,		1
3	On confusion between requirements and their representations. <i>Requirements Engineering</i> , 2010 , 15, 307-311	2.7	14
2	Unified use case statecharts: case studies. <i>Requirements Engineering</i> , 2007 , 12, 245-264	2.7	9
1	Increasing quality of conceptual models 2006 ,		3

