# Davor Svetinovic

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 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 | . *IEEE Transactions on Dependable and Secure Computing*, **2018**, 15, 840-852 | 3.9 | 594 |
| 52 | Strategic Closed-Loop Facility Location Problem With Carbon Market Trading. *IEEE Transactions on Engineering Management*, **2013**, 60, 398-408 | 2.6 | 93 |
| 51 | An optimization model for product returns using genetic algorithms and artificial immune system. *Resources, Conservation and Recycling*, **2013**, 74, 156-169 | 11.9 | 77 |
| 50 | Trustworthy Blockchain Oracles: Review, Comparison, and Open Research Challenges. *IEEE Access*, **2020**, 8, 85675-85685 | 3.5 | 55 |
| 49 | IoT Public Fog Nodes Reputation System: A Decentralized Solution Using Ethereum Blockchain. *IEEE Access*, **2019**, 7, 178082-178093 | 3.5 | 51 |
| 48 | Bitcoin-Based Decentralized Carbon Emissions Trading Infrastructure Model. *Systems Engineering*, **2015**, 18, 115-130 | 1.8 | 48 |
| 47 | Data mining approach to fault detection for isolated inverter-based microgrids. *IET Generation, Transmission and Distribution*, **2013**, 7, 745-754 | 2.5 | 38 |
| 46 | A taxonomy of security and privacy requirements for the Internet of Things (IoT) **2014**, | | 38 |
| 45 | Integrated smart grid systems security threat model. *Information Systems*, **2015**, 53, 147-160 | 2.7 | 32 |
| 44 | Blockchain for explainable and trustworthy artificial intelligence. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2020**, 10, e1340 | 6.9 | 30 |
| 43 | Trust in Blockchain Cryptocurrency Ecosystem. *IEEE Transactions on Engineering Management*, **2020**, 67, 1196-1212 | 2.6 | 26 |
| 42 | . *IEEE Access*, **2020**, 8, 43177-43190 | 3.5 | 22 |
| 41 | Evaluating the effectiveness of the security quality requirements engineering (SQUARE) method: a case study using smart grid advanced metering infrastructure. *Requirements Engineering*, **2013**, 18, 251-279 | 2.7 | 22 |
| 40 | Monetization of Services Provided by Public Fog Nodes Using Blockchain and Smart Contracts. *IEEE Access*, **2020**, 8, 20118-20128 | 3.5 | 21 |
| 39 | Strategic requirements engineering for complex sustainable systems. *Systems Engineering*, **2013**, 16, 165-174 | 1.8 | 21 |
| 38 | The Anti-Social System Properties: Bitcoin Network Data Analysis. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 21-31 | 7.3 | 20 |
| 37 | NLP-KAOS for Systems Goal Elicitation: Smart Metering System Case Study. *IEEE Transactions on Software Engineering*, **2014**, 40, 941-956 | 3.5 | 19 |

| | | | |
|---|---|---|---|
| 36 | . *IEEE Transactions on Smart Grid*, **2012**, 3, 692-709 | 10.7 | 18 |
| 35 | Towards Reference Architecture for Cryptocurrencies: Bitcoin Architectural Analysis **2014**, | | 17 |
| 34 | Improving Bitcoin Ownership Identification Using Transaction Patterns Analysis. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 9-20 | 7.3 | 17 |
| 33 | System Security Requirements Analysis:A Smart Grid Case Study. *Systems Engineering*, **2014**, 17, 77-88 | 1.8 | 16 |
| 32 | Blockchain-Based Decentralized Reverse Bidding in Fog Computing. *IEEE Access*, **2020**, 8, 81686-81697 | 3.5 | 15 |
| 31 | On confusion between requirements and their representations. *Requirements Engineering*, **2010**, 15, 307-311 | 2.7 | 14 |
| 30 | Blockchain AI Framework for Healthcare Records Management: Constrained Goal Model **2018**, | | 13 |
| 29 | Malware detection in android mobile platform using machine learning algorithms **2017**, | | 11 |
| 28 | Complex Urban Systems ICT Infrastructure Modeling: A Sustainable City Case Study. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 363-374 | 7.3 | 10 |
| 27 | TrustFed: A Framework for Fair and Trustworthy Cross-Device Federated Learning in IIoT. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 8485-8494 | 11.9 | 10 |
| 26 | Unified use case statecharts: case studies. *Requirements Engineering*, **2007**, 12, 245-264 | 2.7 | 9 |
| 25 | Data Analysis of Digital Currency Networks: Namecoin Case Study **2016**, | | 8 |
| 24 | Semiautomatic System Domain Data Analysis: A Smart Grid Feasibility Case Study. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 3117-3127 | 7.3 | 6 |
| 23 | City.Net IES: A sustainability-oriented energy decision support system **2012**, | | 5 |
| 22 | Blockchain Technology in Supply Chain Management: Preliminary Study **2019**, | | 5 |
| 21 | Changes in Occupational Skills - A Case Study Using Non-negative Matrix Factorization. *Lecture Notes in Computer Science*, **2015**, 627-634 | 0.9 | 4 |
| 20 | Blockchain Engineering for the Internet of Things **2017**, | | 3 |
| 19 | Continuous integration build breakage rationale: Travis data case study **2017**, | | 3 |

| | | | |
|---|---|---|---|
| 18 | Software analytics study of Open-Source system survivability through social contagion **2015**, | | 3 |
| 17 | Software Clone Detection Using Clustering Approach. *Lecture Notes in Computer Science*, **2015**, 520-527 | 0.9 | 3 |
| 16 | Smart Grid Wireless Network Security Requirements Analysis **2013**, | | 3 |
| 15 | Increasing quality of conceptual models **2006**, | | 3 |
| 14 | Device-centric adaptive data stream management and offloading for analytics applications in future internet architectures. *Future Generation Computer Systems*, **2021**, 114, 155-168 | 7.5 | 3 |
| 13 | **2019**, | | 2 |
| 12 | Value models for engineering of complex sustainable systems. *Procedia Computer Science*, **2012**, 8, 53-58 | 1.6 | 2 |
| 11 | Argumentation-Based Security Requirements Analysis: BitMessage Case Study **2014**, | | 2 |
| 10 | Business interactions modeling for systems of systems engineering: Smart grid example **2012**, | | 2 |
| 9 | Tackling Class Imbalance Problem in Binary Classification using Augmented Neighborhood Cleaning Algorithm. *Lecture Notes in Electrical Engineering*, **2015**, 827-834 | 0.2 | 2 |
| 8 | Towards situational aware cyber-physical systems: A security-enhancing use case of blockchain-based digital twins. *Computers in Industry*, **2022**, 141, 103699 | 11.6 | 2 |
| 7 | Autonomy requirements engineering for micro-satellite systems: CubeSat case study **2017**, | | 1 |
| 6 | Data analysis of social community reputation: Good questions vs. good answers **2015**, | | 1 |
| 5 | Functional and Spatial System Model for City Infrastructure Systems: A City.Net IES Case Study. *Systems Engineering*, **2014**, 17, 62-76 | 1.8 | 1 |
| 4 | Requirements Model for a High-Privacy Decentralized Carbon Emissions Trading Platform **2012**, | | 1 |
| 3 | Exploring Social Contagion in Open-Source Communities by Mining Software Repositories. *Lecture Notes in Computer Science*, **2015**, 120-127 | 0.9 | 1 |
| 2 | Data Analysis of Correlation Between Project Popularity and Code Change Frequency. *Lecture Notes in Computer Science*, **2016**, 36-43 | 0.9 | 1 |
| 1 | Goal-Oriented Requirements Engineering for Research-Intensive Complex Systems: A Case Study. *Systems Engineering*, **2016**, 19, 322-333 | 1.8 | 1 |