

# Vasco N G J Soares

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

876  
citations

1040018

9  
h-index

610883

24  
g-index

57  
all docs

57  
docs citations

57  
times ranked

720  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Technological modernization and innovation of traditional Agri-Food companies based on ICT solutions – The Portuguese case study. Journal of Food Processing and Preservation, 2022, 46, e14271.  | 2.0 | 9         |
| 2  | ICT-Enabled Agri-Food Systems. , 2022, , 383-416.   |     | 0         |
| 3  | Smart Lockers: Approaches, Challenges and Opportunities. International Journal of Engineering and Advanced Technology, 2022, 11, 141-149.   | 0.3 | 4         |
| 4  | Computational Simulation of an Agricultural Robotic Rover for Weed Control and Fallen Fruit Collection – Algorithms for Image Detection and Recognition and Systems Control, Regulation, and Command. Electronics (Switzerland), 2022, 11, 790. | 3.1 | 2         |
| 5  | Performance Assessment of ESP8266 Wireless Mesh Networks. Information (Switzerland), 2022, 13, 210.   | 2.9 | 4         |
| 6  | Desenvolvimento, Simulação e Validação de Protocolos MAC para Redes de Sensores Sem Fios. Revista Brasileira De Computação Aplicada, 2022, 14, 94-105.  | 0.1 | 0         |
| 7  | Comparison of On-Policy Deep Reinforcement Learning A2C with Off-Policy DQN in Irrigation Optimization: A Case Study at a Site in Portugal. Computers, 2022, 11, 104.   | 3.3 | 11        |
| 8  | Real-Time Detection of Vine Trunk for Robot Localization Using Deep Learning Models Developed for Edge TPU Devices. Future Internet, 2022, 14, 199.   | 3.8 | 7         |
| 9  | Improving Delivery Probability in Mobile Opportunistic Networks with Social-Based Routing. Electronics (Switzerland), 2022, 11, 2084.   | 3.1 | 2         |
| 10 | Vehicular delay-tolerant networks. , 2021, , 59-78.   |     | 0         |
| 11 | An introduction to delay and disruption tolerant networks (DTNs). , 2021, , 1-20.   |     | 1         |
| 12 | Development of Technological Capabilities through the Internet of Things (IoT): Survey of Opportunities and Barriers for IoT Implementation in Portugal’s Agro-Industry. Applied Sciences (Switzerland), 2021, 11, 3454.                        | 2.5 | 17        |
| 13 | Review on Free-Space Optical Communications for Delay and Disruption Tolerant Networks. Electronics (Switzerland), 2021, 10, 1607.  | 3.1 | 2         |
| 14 | Power Saving MAC Protocols in Wireless Sensor Networks: A Performance Assessment Analysis. Advances in Science, Technology and Engineering Systems, 2021, 6, 341-347.   | 0.5 | 1         |
| 15 | Artificial Intelligence Decision Support System Based on Artificial Neural Networks to Predict the Commercialization Time by the Evolution of Peach Quality. Electronics (Switzerland), 2021, 10, 2394.   | 3.1 | 6         |
| 16 | Power saving MAC protocols in wireless sensor networks: a survey. Telkomnika (Telecommunication) Tj ETQq0 0 0 ggBT /Overlock 10 Tf 0,8  |     | 0         |
| 17 | A Probabilistic VDTN Routing Scheme Based on Hybrid Swarm-Based Approach. Future Internet, 2020, 12, 192.   | 3.8 | 4         |
| 18 | An Opportunistic Routing Solution to Monitor Isolated Elderly People in Rural Areas. Communications in Computer and Information Science, 2020, , 195-203.   | 0.5 | 4         |

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|----|---|------|-----------|
| 19 | Network Management and Monitoring Solutions for Vehicular Networks: A Survey. Electronics (Switzerland), 2020, 9, 853.  | 3.1  | 10        |
| 20 | Local Discovery Service for OPC-UA Devices. , 2020, , .   |      | 0         |
| 21 | Autonomous Robot Path Construction Prototype Using Wireless Sensor Networks. Advances in Science, Technology and Engineering Systems, 2020, 6, 169-177.                               | 0.5  | 1         |
| 22 | Computer Vision Approaches to Waste Containers Detection. , 2019, , .   |      | 1         |
| 23 | Detection of Waste Containers Using Computer Vision. Applied System Innovation, 2019, 2, 11.  | 4.6  | 8         |
| 24 | MobiSensA: Development of a mobile APP for iSensA platform. , 2018, , .   |      | 0         |
| 25 | iSensA â€œ A System for Collecting and Integrating Sensor Data. Advances in Science, Technology and Engineering Systems, 2018, 3, 213-221.  | 0.5  | 1         |
| 26 | Towards Intelligent Caching and Retrieval Mechanisms for Upcoming Proposals on Vehicular Delay-Tolerant Networks. Journal of Communications Software and Systems, 2017, 7, 1.         | 0.8  | 5         |
| 27 | Acknowledgement to Reviewers of JSAN in 2016. Journal of Sensor and Actuator Networks, 2017, 6, 1.  | 3.9  | 21        |
| 28 | Enhanced fuzzy logicâ€¢based spray and wait routing protocol for delay tolerant networks. International Journal of Communication Systems, 2016, 29, 1820-1843.                        | 2.5  | 38        |
| 29 | Vehicular delay-tolerant networks (VDTNs). , 2015, , 61-80.   |      | 2         |
| 30 | An introduction to delay and disruption-tolerant networks (DTNs). , 2015, , 1-21.   |      | 7         |
| 31 | Potential for Technological Modernisation and Innovation Based on ICT in Agri-Food Companies of Central Region of Portugal. Journal of Advanced Agricultural Technologies, 2015, 2, . | 0.2  | 2         |
| 32 | Composite mechanisms for improving Bubble Rap in delay tolerant networks. Journal of Engineering, 2014, 2014, 1-7.  | 1.1  | 15        |
| 33 | A notification architecture for smart cities based on push technologies. , 2014, , .  |      | 2         |
| 34 | GeoSpray: A geographic routing protocol for vehicular delay-tolerant networks. Information Fusion, 2014, 15, 102-113.   | 19.1 | 189       |
| 35 | An empirical review on the spray and wait based algorithms for controlled replication forwarding in delay tolerant networks. , 2013, , .  |      | 5         |
| 36 | Performance assessment of a geographic routing protocol for vehicular delay-tolerant networks. , 2012, , .  |      | 16        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | From Delay-Tolerant Networks to Vehicular Delay-Tolerant Networks. IEEE Communications Surveys and Tutorials, 2012, 14, 1166-1182.   | 39.4 | 189       |
| 38 | Performance assessment of IP over vehicular delay-tolerant networks through the VDTN@Lab testbed. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, . | 2.4  | 11        |
| 39 | Impact of Scheduling and Dropping Policies on the Performance of Vehicular Delay-Tolerant Networks. , 2011, , .  |      | 15        |
| 40 | FTP@VDTN &#x2014; A file transfer application for Vehicular Delay-Tolerant Networks. , 2011, , .   |      | 6         |
| 41 | WWW@VDTN - A Web browsing application for Vehicular Delay-Tolerant Networks. , 2011, , .   |      | 2         |
| 42 | Testbed-based performance evaluation of routing protocols for vehicular delay-tolerant networks. , 2011, , .   |      | 11        |
| 43 | The Vehicular Delay-Tolerant Networks (VDTN) Euro-NF joint research project. , 2011, , .   |      | 5         |
| 44 | Traffic differentiation support in vehicular delay-tolerant networks. Telecommunication Systems, 2011, 48, 151-162.  | 2.5  | 21        |
| 45 | VDTNsim: A simulation tool for vehicular delay-tolerant networks. , 2010, , .  |      | 13        |
| 46 | Inter-Domain Traffic Routing in Vehicular Delay Tolerant Networks. , 2010, , .   |      | 1         |
| 47 | Exploiting Node Localization for Performance Improvement of Vehicular Delay-Tolerant Networks. , 2010, , .   |      | 7         |
| 48 | Improvement of Messages Delivery Time on Vehicular Delay-Tolerant Networks. , 2009, , .  |      | 22        |
| 49 | A layered architecture for Vehicular Delay-Tolerant Networks. , 2009, , .  |      | 80        |
| 50 | Improving Vehicular Delay-Tolerant Network Performance with Relay Nodes. , 2009, , .   |      | 27        |
| 51 | Evaluating the Impact of Storage Capacity Constraints on Vehicular Delay-Tolerant Networks. , 2009, , .  |      | 13        |
| 52 | Impact of vehicle movement models on VDTN routing strategies for rural connectivity. International Journal of Mobile Network Design and Innovation, 2009, 3, 103.          | 0.1  | 12        |
| 53 | OBS Simulation Tools: A Comparative Study. , 2008, , .   |      | 7         |
| 54 | Past, Present and Future of IP Telephony. , 2008, , .  |      | 11        |

| #  | ARTICLE   | IF | CITATIONS |
|----|---|----|-----------|
| 55 | Vehicle Wireless Burst Switching Network: Enhancing Rural Connectivity. , 2008, , . |    | 12        |