

# Sergio L Toral MarÃ- n

## List of Publications by Year in descending order

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179  
papers

4,488  
citations

117571

34  
h-index

133188

59  
g-index

180  
all docs

180  
docs citations

180  
times ranked

3238  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | An evolutionary multi-objective path planning of a fleet of ASVs for patrolling water resources. Engineering Applications of Artificial Intelligence, 2022, 112, 104852.                             | 4.3 | 10        |
| 2  | Prediction and modelling online reviews helpfulness using 1D Convolutional Neural Networks. Expert Systems With Applications, 2022, 198, 116787.   | 4.4 | 24        |
| 3  | Time Efficient Unmanned Aircraft Systems Deployment in Disaster Scenarios Using Clustering Methods and a Set Cover Approach. Electronics (Switzerland), 2021, 10, 422.                               | 1.8 | 2         |
| 4  | A Dimensional Comparison between Evolutionary Algorithm and Deep Reinforcement Learning Methodologies for Autonomous Surface Vehicles with Water Quality Sensors. Sensors, 2021, 21, 2862.           | 2.1 | 12        |
| 5  | A Multimodal Approach to Improve Performance Evaluation of Call Center Agent. Sensors, 2021, 21, 2720.   | 2.1 | 6         |
| 6  | A Bayesian Optimization Approach for Multi-Function Estimation for Environmental Monitoring Using an Autonomous Surface Vehicle: Ypacarai Lake Case Study. Electronics (Switzerland), 2021, 10, 963. | 1.8 | 11        |
| 7  | How can trustworthy influencers be identified in electronic word-of-mouth communities?. Technological Forecasting and Social Change, 2021, 166, 120596.  | 6.2 | 6         |
| 8  | Monitoring Water Resources through a Bayesian Optimization-based Approach using Multiple Surface Vehicles: The Ypacarai Lake Case Study. , 2021, , .   |     | 2         |
| 9  | A Sample-Efficiency Comparison Between Evolutionary Algorithms and Deep Reinforcement Learning for Path Planning in an Environmental Patrolling Mission. , 2021, , .                                 |     | 1         |
| 10 | Convolutional neural encoding of online reviews for the identification of travel group type topics on TripAdvisor. Information Processing and Management, 2021, 58, 102645.                          | 5.4 | 13        |
| 11 | A Bayesian Optimization Approach for Water Resources Monitoring Through an Autonomous Surface Vehicle: The Ypacarai Lake Case Study. IEEE Access, 2021, 9, 9163-9179.                                | 2.6 | 20        |
| 12 | A Multiagent Deep Reinforcement Learning Approach for Path Planning in Autonomous Surface Vehicles: The Ypacarai Lake Patrolling Case. IEEE Access, 2021, 9, 17084-17099.                            | 2.6 | 43        |
| 13 | An autonomous surface vehicle for water quality measurements in a lake using MQTT protocol. , 2021, , .  |     | 0         |
| 14 | A motorcyclist helmet detection system through a two-stage CNN approach. , 2021, , .   |     | 2         |
| 15 | A Deep Reinforcement Learning Approach for the Patrolling Problem of Water Resources Through Autonomous Surface Vehicles: The Ypacarai Lake Case. IEEE Access, 2020, 8, 204076-204093.               | 2.6 | 24        |
| 16 | A Comparison of Local Path Planning Techniques of Autonomous Surface Vehicles for Monitoring Applications: The Ypacarai Lake Case-study. Sensors, 2020, 20, 1488.                                    | 2.1 | 34        |
| 17 | Agent Productivity Modeling in a Call Center Domain Using Attentive Convolutional Neural Networks. Sensors, 2020, 20, 5489.  | 2.1 | 3         |
| 18 | A distributed PSO-based exploration algorithm for a UAV network assisting a disaster scenario. Future Generation Computer Systems, 2019, 90, 129-148.  | 4.9 | 120       |

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|----|---|-----|-----------|
| 19 | Comparison of Eulerian and Hamiltonian circuits for evolutionary-based path planning of an autonomous surface vehicle for monitoring Ypacarai Lake. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 1495-1507. | 3.3 | 27        |
| 20 | The superhit effect and long tail phenomenon in the context of electronic word of mouth. <i>Decision Support Systems</i> , 2019, 125, 113120.   | 3.5 | 6         |
| 21 | Interest and Applicability of Meta-Heuristic Algorithms in the Electrical Parameter Identification of Multiphase Machines. <i>Energies</i> , 2019, 12, 314.   | 1.6 | 7         |
| 22 | A machine learning approach for the identification of the deceptive reviews in the hospitality sector using unique attributes and sentiment orientation. <i>Tourism Management</i> , 2019, 75, 393-403.                                   | 5.8 | 72        |
| 23 | Identification of the unique attributes and topics within Smart Things Open Innovation Communities. <i>Technological Forecasting and Social Change</i> , 2019, 146, 133-147.  | 6.2 | 16        |
| 24 | Deep Neuronal Based Classifiers for Wireless Multi-hop Network Mobility Models. , 2019, , .   |     | 1         |
| 25 | Development of a Simulator for the Study of Path Planning of An Autonomous Surface Vehicle in Lake Environments. , 2019, , .  |     | 1         |
| 26 | Intelligent Online Learning Strategy for an Autonomous Surface Vehicle in Lake Environments Using Evolutionary Computation. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2019, 11, 110-125.                                  | 2.6 | 19        |
| 27 | An evolutionary approach to constrained path planning of an autonomous surface vehicle for maximizing the covered area of Ypacarai Lake. <i>Soft Computing</i> , 2019, 23, 1723-1734.   | 2.1 | 49        |
| 28 | Guest Editorial Special Issue on Internet-of-Things for Smart Cities. <i>IEEE Internet of Things Journal</i> , 2018, 5, 468-472.  | 5.5 | 4         |
| 29 | A survey on unmanned aerial and aquatic vehicle multi-hop networks: Wireless communications, evaluation tools and applications. <i>Computer Communications</i> , 2018, 119, 43-65.  | 3.1 | 90        |
| 30 | Application of text mining techniques to the analysis of discourse in eWOM communications from a gender perspective. <i>Technological Forecasting and Social Change</i> , 2018, 129, 131-142.   | 6.2 | 41        |
| 31 | Multi-subpopulation evolutionary algorithms for coverage deployment of UAV-networks. <i>Ad Hoc Networks</i> , 2018, 68, 16-32.  | 3.4 | 55        |
| 32 | A Call Center Agent Productivity Modeling Using Discriminative Approaches. <i>Studies in Computational Intelligence</i> , 2018, , 501-520.  | 0.7 | 4         |
| 33 | Evolutionary Computation for Solving Path Planning of an Autonomous Surface Vehicle Using Eulerian Graphs. , 2018, , .  |     | 0         |
| 34 | Context-adaptive forwarding in mobile opportunistic networks. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2018, 73, 559-575.   | 1.6 | 3         |
| 35 | Dissimilarity Metric Based on Local Neighboring Information and Genetic Programming for Data Dissemination in Vehicular Ad Hoc Networks (VANETs). <i>Sensors</i> , 2018, 18, 2320.  | 2.1 | 15        |
| 36 | Evolutionary deployment and local search-based movements of Oth responders in disaster scenarios. <i>Future Generation Computer Systems</i> , 2018, 88, 61-78.  | 4.9 | 19        |

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|----|--|-----|-----------|
| 37 | Identifying the features of reputable users in eWOM communities by using Particle Swarm Optimization. <i>Technological Forecasting and Social Change</i> , 2018, 133, 220-228.                           | 6.2 | 7         |
| 38 | GreeAODV: An Energy Efficient Routing Protocol for Vehicular Ad Hoc Networks. <i>Lecture Notes in Computer Science</i> , 2018, , 670-681.  | 1.0 | 32        |
| 39 | End-to-End Lexicon Free Arabic Speech Recognition Using Recurrent Neural Networks. , 2018, , 231-248.  |     | 7         |
| 40 | A dynamic data routing solution for opportunistic networks. , 2017, , .  |     | 4         |
| 41 | Lexicon Free Arabic Speech Recognition Recipe. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 147-159.   | 0.5 | 4         |
| 42 | Agent Productivity Measurement in Call Center Using Machine Learning. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 160-169.  | 0.5 | 3         |
| 43 | A multi-objective optimization of data dissemination in delay tolerant networks. <i>Expert Systems With Applications</i> , 2016, 57, 178-191.  | 4.4 | 20        |
| 44 | On-siteDriverID: A secure authentication scheme based on Spanish eID cards for vehicular ad hoc networks. <i>Future Generation Computer Systems</i> , 2016, 64, 50-60.                                   | 4.9 | 29        |
| 45 | Real experimentation of probabilistic broadcasting algorithms based on dissimilarity metrics for multi-hop ad hoc networks. <i>Ad Hoc Networks</i> , 2016, 47, 1-15.                                     | 3.4 | 11        |
| 46 | An evaluation methodology for reliable simulation based studies of routing protocols in VANETs. <i>Simulation Modelling Practice and Theory</i> , 2016, 66, 139-165.                                     | 2.2 | 14        |
| 47 | Computational Intelligence in Wireless Sensor and Ad Hoc Networks. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 7049593.  | 1.3 | 5         |
| 48 | Post-visit and pre-visit tourist destination image through eWOM sentiment analysis and perceived helpfulness. <i>International Journal of Contemporary Hospitality Management</i> , 2016, 28, 2609-2627. | 5.3 | 122       |
| 49 | Harvesting Big Data in social science: A methodological approach for collecting online user-generated content. <i>Computer Standards and Interfaces</i> , 2016, 46, 79-87.                               | 3.8 | 40        |
| 50 | A methodology for structured ontology construction applied to intelligent transportation systems. <i>Computer Standards and Interfaces</i> , 2016, 47, 108-119.  | 3.8 | 26        |
| 51 | An Intelligent Strategy for Tactical Movements of UAVs in Disaster Scenarios. <i>International Journal of Distributed Sensor Networks</i> , 2016, 12, 8132812.   | 1.3 | 39        |
| 52 | Problem Based Learning Case in a Control Undergraduate Subject. <i>IFAC-PapersOnLine</i> , 2015, 48, 182-187.  | 0.5 | 1         |
| 53 | Five-phase induction machine parameter identification using PSO and standstill techniques. , 2015, , .   |     | 5         |
| 54 | Rotor current observer in finite-state model predictive control of five-phase IM. , 2015, , .  |     | 0         |

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|----|--|-----|-----------|
| 55 | Learning Achievements Using a PBL-Based Methodology in an Introductory Electronics Course. Revista Iberoamericana De Tecnologías Del Aprendizaje, 2015, 10, 296-301.   | 0.7 | 9         |
| 56 | The role of congestion in probabilistic broadcasting for ubiquitous wireless multi-hop networks through mediation analysis. Pervasive and Mobile Computing, 2015, 24, 16-29.                                       | 2.1 | 5         |
| 57 | Customer preferences versus managerial decision-making in open innovation communities: the case of Starbucks. Technology Analysis and Strategic Management, 2015, 27, 1226-1238.                                   | 2.0 | 24        |
| 58 | Performance Evaluation of Reactive Routing Protocols for VANETs in Urban Scenarios Following Good Simulation Practices. , 2015, , .  |     | 13        |
| 59 | The moderating role of prior experience in technological acceptance models for ubiquitous computing services in urban environments. Technological Forecasting and Social Change, 2015, 91, 146-160.                | 6.2 | 39        |
| 60 | A survey on probabilistic broadcast schemes for wireless ad hoc networks. Ad Hoc Networks, 2015, 25, 263-292.  | 3.4 | 127       |
| 61 | Ad Hoc Networks for Disaster Scenarios and/or Threat Detection. International Journal of Distributed Sensor Networks, 2015, 2015, 1-2.   | 1.3 | 0         |
| 62 | Monitoring Travel-Related Information on Social Media through Sentiment Analysis. , 2014, , .  |     | 7         |
| 63 | A Dissemination Analysis in Mobile Wireless Ad Hoc Networks Using Probabilistic Broadcast. , 2014, , .   |     | 2         |
| 64 | A Survey on Ad Hoc Networks for Disaster Scenarios. , 2014, , .  |     | 19        |
| 65 | Networked transducers in intelligent transportation systems based on the IEEE 1451 standard. Computer Standards and Interfaces, 2014, 36, 300-311.   | 3.8 | 18        |
| 66 | SVM Procedure for $n$ -Phase VSI With Low Harmonic Distortion in the Overmodulation Region. IEEE Transactions on Industrial Electronics, 2014, 61, 92-97.  | 5.2 | 67        |
| 67 | Improving discovery phase of reactive ad hoc routing protocols using Jaccard distance. Journal of Supercomputing, 2014, 67, 131-152.   | 2.4 | 25        |
| 68 | Speed Control of Five-Phase Induction Motors With Integrated Open-Phase Fault Operation Using Model-Based Predictive Current Control Techniques. IEEE Transactions on Industrial Electronics, 2014, 61, 4474-4484. | 5.2 | 212       |
| 69 | Multi-objective performance optimization of a probabilistic similarity/dissimilarity-based broadcasting scheme for mobile ad hoc networks in disaster response scenarios. Soft Computing, 2014, 18, 1745-1756.     | 2.1 | 29        |
| 70 | Electronic word-of-mouth communities from the perspective of social network analysis. Technology Analysis and Strategic Management, 2014, 26, 927-942.   | 2.0 | 35        |
| 71 | JDER: A history-based forwarding scheme for delay tolerant networks using Jaccard distance and encountered ration. Journal of Network and Computer Applications, 2014, 40, 279-291.                                | 5.8 | 21        |
| 72 | Topological Properties of the Core Group in Online Communities. , 2014, , .  |     | 0         |

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|----|---|-----|-----------|
| 73 | Intelligent Transportation Systems and Wireless Access in Vehicular Environment Technology for Developing Smart Cities. Studies in Computational Intelligence, 2014, , 285-313.   | 0.7 | 10        |
| 74 | Hybrid Flooding Scheme for Mobile Ad Hoc Networks. IEEE Communications Letters, 2013, 17, 592-595.  | 2.5 | 33        |
| 75 | Modelling and assessing ad hoc networks in disaster scenarios. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 571-579.   | 3.3 | 33        |
| 76 | The Role of Ad Hoc Networks in the Internet of Things: A Case Scenario for Smart Environments. Studies in Computational Intelligence, 2013, , 89-113.   | 0.7 | 48        |
| 77 | Authentication Systems Using ID Cards over NFC Links: The Spanish Experience Using DNle. Procedia Computer Science, 2013, 21, 91-98.  | 1.2 | 10        |
| 78 | An evolutionary computation approach for optimizing connectivity in disaster response scenarios. Applied Soft Computing Journal, 2013, 13, 833-845.   | 4.1 | 37        |
| 79 | Variable-Speed Five-Phase Induction Motor Drive Based on Predictive Torque Control. IEEE Transactions on Industrial Electronics, 2013, 60, 2957-2968.   | 5.2 | 144       |
| 80 | External collaboration patterns of research institutions using shared publications in the Web of Science. Data Technologies and Applications, 2013, 47, 170-187.  | 0.8 | 4         |
| 81 | Identification of new added value services on intelligent transportation systems. Behaviour and Information Technology, 2013, 32, 307-320.  | 2.5 | 13        |
| 82 | Analysis of embedded CORBA middleware performance on urban distributed transportation equipments. Computer Standards and Interfaces, 2013, 35, 150-157.   | 3.8 | 9         |
| 83 | An Evolutionary Computational Approach for Optimizing Broadcasting in Disaster Response Scenarios. , 2013, , .  |     | 4         |
| 84 | Analytical Evaluation of Switching Characteristics in Five-Phase Drives with Discontinuous Space Vector Pulse Width Modulation Techniques. EPE Journal (European Power Electronics and Drives) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 2 |     |           |
| 85 | Analysis of Probabilistic Forwarding in Opportunistic Networks Using the Percolation Theory. , 2013, , .  |     | 1         |
| 86 | A text categorisation tool for open source communities based on semantic analysis. Behaviour and Information Technology, 2013, 32, 532-544.   | 2.5 | 14        |
| 87 | Dual-rate background subtraction approach for estimating traffic queue parameters in urban scenes. IET Intelligent Transport Systems, 2013, 7, 122-130.   | 1.7 | 9         |
| 88 | Networked Electronic Equipments Using the IEEE 1451 Standard "VisioWay: A Case Study in the ITS Area. International Journal of Distributed Sensor Networks, 2012, 8, 467124.  | 1.3 | 3         |
| 89 | Dynamic communication architecture for intelligent rail network governance. , 2012, , .   |     | 2         |
| 90 | A Zigbee target system running TinyOS. , 2012, , .  |     | 0         |

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|-----|---|-----|-----------|
| 91  | Environmental wireless sensor network for road traffic applications. IET Intelligent Transport Systems, 2012, 6, 177.   | 1.7 | 34        |
| 92  | Direct torque control for five-phase induction motor drives with reduced common-mode voltage. , 2012, , .   |     | 12        |
| 93  | An evolutionary factor analysis computation for mining website structures. Expert Systems With Applications, 2012, 39, 11623-11633.   | 4.4 | 6         |
| 94  | Route duration improvement in wireless sensor and actuator networks based on mobility parameters and flooding control. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, . | 1.5 | 4         |
| 95  | An ontology-based semantic service for cooperative urban equipments. Journal of Network and Computer Applications, 2012, 35, 2037-2050.   | 5.8 | 5         |
| 96  | Optimization of network lifetime through energy-efficient broadcast scheme using dynamic random walk. , 2012, , .   |     | 5         |
| 97  | An evolutionary computation approach for designing mobile ad hoc networks. Expert Systems With Applications, 2012, 39, 6838-6845.   | 4.4 | 24        |
| 98  | Evaluation of Ad Hoc Networks in Disaster Scenarios. , 2011, , .  |     | 33        |
| 99  | Analysis of the Core Team Role in Open Source Communities. , 2011, , .  |     | 6         |
| 100 | Development of a Bluetooth Intelligent Multi-user Environment Based on Wireless CORBA. , 2011, , .  |     | 0         |
| 101 | Output current ripple analysis for asymmetrical six-phase drives using double zero-sequence injection PWM. , 2011, , .  |     | 20        |
| 102 | Fault-tolerant current predictive control of five-phase induction motor drives with an open phase. , 2011, , .  |     | 24        |
| 103 | Predictive Current Control of Dual Three-Phase Drives Using Restrained Search Techniques. IEEE Transactions on Industrial Electronics, 2011, 58, 3253-3263.                                     | 5.2 | 125       |
| 104 | An Enhanced Predictive Current Control Method for Asymmetrical Six-Phase Motor Drives. IEEE Transactions on Industrial Electronics, 2011, 58, 3242-3252.  | 5.2 | 128       |
| 105 | Comparative Analysis of Discontinuous and Continuous PWM Techniques in VSI-Fed Five-Phase Induction Motor. IEEE Transactions on Industrial Electronics, 2011, 58, 5324-5335.                    | 5.2 | 104       |
| 106 | Distributed urban traffic applications based on CORBA event services. International Journal of Space-Based and Situated Computing, 2011, 1, 86.   | 0.2 | 9         |
| 107 | A Reliable Route Selection Scheme Based on Caution Zone and Nodes' Arrival Angle. IEEE Communications Letters, 2011, 15, 1252-1255.   | 2.5 | 12        |
| 108 | Identification of the design variables of eLearning tools. Interacting With Computers, 2011, 23, 279-288.   | 1.0 | 17        |

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| 109 | An Exploratory Social Network Analysis of Academic Research Networks. , 2011, , .  |     | 12        |
| 110 | Estimation of the electrical parameters of a five-phase induction machine using standstill techniques. Part II: Practical implications. , 2011, , .                  |     | 8         |
| 111 | An improvement of route duration in WSAN based on nodes' mobility and RSS. , 2011, , .   |     | 1         |
| 112 | Estimation of the electrical parameters of a five-phase induction machine using standstill techniques. Part I: Theoretical discussions. , 2011, , .                  |     | 11        |
| 113 | Web site structure mining using social network analysis. Internet Research, 2011, 21, 104-123.   | 2.7 | 12        |
| 114 | Aplicaci3n de algoritmos gen3ticos a la identificaci3n de la estructura de enlaces en portales web. Revista Espanola De Documentacion Cientifica, 2011, 34, 232-252. | 0.1 | 2         |
| 115 | Predictive-space vector PWM current control method for asymmetrical dual three-phase induction motor drives. IET Electric Power Applications, 2010, 4, 26.           | 1.1 | 103       |
| 116 | Current paradigms in intelligent transportation systems. IET Intelligent Transport Systems, 2010, 4, 201.  | 1.7 | 28        |
| 117 | An Enhanced Background Estimation Algorithm for Vehicle Detection in Urban Traffic Scenes. IEEE Transactions on Vehicular Technology, 2010, 59, 3694-3709.           | 3.9 | 81        |
| 118 | Reforming ICT Graduate Programs to Meet Professional Needs. Computer, 2010, 43, 22-29.   | 1.2 | 1         |
| 119 | Stability analysis of five-phase induction motor drives with variable third harmonic injection. Electric Power Systems Research, 2010, 80, 1459-1468.                | 2.1 | 10        |
| 120 | Strategic group identification using evolutionary computation. Expert Systems With Applications, 2010, 37, 4948-4954.  | 4.4 | 17        |
| 121 | Analysis of virtual communities supporting OSS projects using social network analysis. Information and Software Technology, 2010, 52, 296-303.                       | 3.0 | 111       |
| 122 | Application of Genetic Algorithms to the Identification of Website Link Structure. , 2010, , .   |     | 0         |
| 123 | A shadow removal algorithm for vehicle detection based on reflectance ratio and edge density. , 2010, , .  |     | 10        |
| 124 | The role of Internet in the development of future software projects. Internet Research, 2010, 20, 72-86.   | 2.7 | 33        |
| 125 | Electric propulsion technology based in predictive direct torque control and asymmetrical dual three-phase drives. , 2010, , .                                       |     | 2         |
| 126 | Predictive Torque Control for five-phase induction motor drives. , 2010, , .   |     | 15        |



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|-----|--|-----|-----------|
| 127 | Predictive current control of dual three-phase drives using restrained search techniques and multi level voltage source inverters. , 2010, , .                                     |     | 8         |
| 128 | Multiphase machines in propulsion drives of electric vehicles. , 2010, , .   |     | 30        |
| 129 | Ubiquitous architecture for environmental sensor networks in road traffic applications. , 2010, , .  |     | 1         |
| 130 | A Wireless In-door System for Assisting Victims and Rescue Equipments in a Disaster Management. , 2010, , .  |     | 3         |
| 131 | A new systemic methodology for lab learning based on a cooperative learning project. , 2010, , .   |     | 0         |
| 132 | Internet in the development of future roadâ€traffic control systems. Internet Research, 2010, 20, 154-168.   | 2.7 | 18        |
| 133 | Development of a Bluetooth CORBA Based Intelligent Infrastructure for Multi-user Urban Environments. , 2010, , .   |     | 0         |
| 134 | Identification of added value ITS services using concept mapping techniques. , 2009, , .   |     | 1         |
| 135 | Enhanced predictive current control method for the asymmetrical dual&#x2014;three phase induction machine. , 2009, , .   |     | 4         |
| 136 | Improved sigmaâ€delta background estimation for vehicle detection. Electronics Letters, 2009, 45, 32.  | 0.5 | 31        |
| 137 | Modeling Learner Satisfaction in an Electronic Instrumentation and Measurement Course Using Structural Equation Models. IEEE Transactions on Education, 2009, 52, 190-199.         | 2.0 | 10        |
| 138 | Multi-phase current control using finite-state model-predictive control. Control Engineering Practice, 2009, 17, 579-587.  | 3.2 | 97        |
| 139 | Embedded Multimedia Processors for Road-Traffic Parameter Extension. Computer, 2009, 42, 61-68.  | 1.2 | 20        |
| 140 | Virtual communities as a resource for the development of OSS projects: the case of Linux ports to embedded processors. Behaviour and Information Technology, 2009, 28, 405-419.    | 2.5 | 38        |
| 141 | Multi-sensor integration in the vehicular system using the IEEE1451 Std.: A case study. , 2009, , .  |     | 4         |
| 142 | Sigma-Delta modulation for multiphase drives. , 2009, , .  |     | 2         |
| 143 | Improved techniques of restrained search predictive control for multiphase drives. , 2009, , .   |     | 8         |
| 144 | A Proof of Concept Study of Predictive Current Control for VSI-Driven Asymmetrical Dual Three-Phase AC Machines. IEEE Transactions on Industrial Electronics, 2009, 56, 1937-1954. | 5.2 | 195       |

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|-----|--|-----|-----------|
| 145 | One-Step Modulation Predictive Current Control Method for the Asymmetrical Dual Three-Phase Induction Machine. IEEE Transactions on Industrial Electronics, 2009, 56, 1974-1983.                                     | 5.2 | 123       |
| 146 | An empirical study of the driving forces behind online communities. Internet Research, 2009, 19, 378-392.  | 2.7 | 74        |
| 147 | A License Plate Extraction Algorithm Based on Edge Statistics and Region Growing. Lecture Notes in Computer Science, 2009, , 317-326.  | 1.0 | 7         |
| 148 | Restrained search predictive control of dual three-phase induction motor drives. Renewable Energy and Power Quality Journal, 2009, 1, 96-101.  | 0.2 | 4         |
| 149 | ESTUDIO Y ANÁLISIS DE LAS LISTAS DE DISTRIBUCIÓN EN PROYECTOS DE SOFTWARE DE CÓDIGO ABIERTO COMO MEDIO PARA COMPARTIR CONOCIMIENTO. Investigaciones Europeas De Dirección Y Economía De La Empresa, 2008, 14, 79-90. | 0.6 | 0         |
| 150 | An Enhanced Background Estimation Algorithm for Vehicle Detection in Urban Traffic Video. , 2008, , .  |     | 11        |
| 151 | Development of an Embedded Vision based Vehicle Detection System using an ARM Video Processor. , 2008, , .   |     | 9         |
| 152 | A technological acceptance of e-learning tools used in practical and laboratory teaching, according to the European higher education area. Behaviour and Information Technology, 2008, 27, 495-505.                  | 2.5 | 137       |
| 153 | eDSPLab: remote laboratory for experiments on DSP applications. Internet Research, 2008, 18, 79-92.  | 2.7 | 25        |
| 154 | Improving learning performance in laboratory instruction by means of SMS messaging. Innovations in Education and Teaching International, 2007, 44, 409-422.  | 1.5 | 10        |
| 155 | Analysis of utility and use of a web-based tool for digital signal processing teaching by means of a technological acceptance model. Computers and Education, 2007, 49, 957-975.                                     | 5.1 | 48        |
| 156 | Real-time implementation of multi-dimensional five-phase space vector pulse-width modulation. Electronics Letters, 2007, 43, 949.  | 0.5 | 21        |
| 157 | Multi-dimensional space vector pulse width modulation for disturbance-free operation of a five-phase AC motor drive. , 2007, , .   |     | 7         |
| 158 | Addressing Learner Satisfaction Outcomes in Electronic Instrumentation and Measurement Laboratory Course Organization. IEEE Transactions on Education, 2007, 50, 129-136.  | 2.0 | 28        |
| 159 | Real-Time Implementation of Multi-Dimensional Five-Phase Space Vector PWM Using Look-Up Table Techniques. , 2007, , .  |     | 7         |
| 160 | Multi-Dimensional Space Vector Pulse Width Modulation Scheme for Five-Phase Series-Connected Two-Motor Drives. , 2007, , .   |     | 9         |
| 161 | Interactive multimedia teaching of digital signal processors. Computer Applications in Engineering Education, 2007, 15, 88-98.   | 2.2 | 12        |
| 162 | A learning methodology using Matlab/Simulink for undergraduate electrical engineering courses attending to learner satisfaction outcomes. International Journal of Technology and Design Education, 2007, 17, 55-73. | 1.7 | 44        |

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|-----|---|-----|-----------|
| 163 | An electronic engineering curriculum design based on concept-mapping techniques. International Journal of Technology and Design Education, 2007, 17, 341-356.                                     | 1.7 | 26        |
| 164 | SMALL-SCALE DOMOTIC SYSTEM AS PROTOTYPE OF REMOTE CYBERNETIC APPLICATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 499-504.                        | 0.4 | 0         |
| 165 | Planning a Master's Level Curriculum According to Career Space Recommendations Using Concept Mapping Techniques. International Journal of Technology and Design Education, 2006, 16, 237-252.     | 1.7 | 14        |
| 166 | eDSPlab: A remote-accessed instrumentation laboratory for digital signal processors training based on the Internet. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , . | 0.0 | 17        |
| 167 | A Digital Signal Processing Teaching Methodology Using Concept-Mapping Techniques. IEEE Transactions on Education, 2005, 48, 422-429.   | 2.0 | 29        |
| 168 | Implementation of a Web-Based Educational Tool for Digital Signal Processing Teaching Using the Technological Acceptance Model. IEEE Transactions on Education, 2005, 48, 632-641.                | 2.0 | 45        |
| 169 | Digital stochastic realization of complex analog controllers. IEEE Transactions on Industrial Electronics, 2002, 49, 1101-1109.   | 5.2 | 19        |
| 170 | Reactive power and energy measurement in the frequency domain using random pulse arithmetic. IET Science, Measurement and Technology, 2001, 148, 63.  | 0.7 | 21        |
| 171 | Continuous time filter design using stochastic logic. , 0, , .  |     | 7         |
| 172 | Continuous time controllers using digital programmable devices. , 0, , .  |     | 4         |
| 173 | Application of stochastic logic to reactive power and energy measurement. , 0, , .  |     | 2         |
| 174 | Stochastic A/D sigma-delta converter on FPGA. , 0, , .  |     | 6         |
| 175 | Stochastic pulse coded arithmetic. , 0, , .   |     | 40        |
| 176 | A microprocessor based system for ECG telemedicine and telecare. , 0, , .   |     | 21        |
| 177 | SRC passivation controller implementation using stochastic computing. , 0, , .  |     | 1         |
| 178 | CARDIOSMART: intelligent cardiology monitoring system using GPS/GPRS networks. , 0, , .   |     | 4         |
| 179 | Identification of helpful and not helpful online reviews within an eWOM community using text-mining techniques. , 0, , .  |     | 0         |