## Ana GonzÃ;lez-Marcos

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Development and characterization of anti-biofilm coatings applied by Non-Equilibrium Atmospheric<br>Plasma on stainless steel. Food Research International, 2022, 152, 109891.             | 6.2 | 13        |
| 2  | Promotion of biofilm production via atmospheric-pressure plasma-polymerization for biomedical applications. Applied Surface Science, 2022, 581, 152350.                                    | 6.1 | 8         |
| 3  | Improvement of Quantum Approximate Optimization Algorithm for Max–Cut Problems. Sensors, 2022, 22, 244.  | 3.8 | 6         |
| 4  | Quantum Deep Learning for Steel Industry Computer Vision Quality Control IFAC-PapersOnLine, 2022, 55, 337-342.   | 0.9 | 4         |
| 5  | Quantum cyber-physical systems. Scientific Reports, 2022, 12, 7964.  | 3.3 | 2         |
| 6  | Design and Validation of an Emerging Educational Technologies Acceptance and Integration<br>Questionnaire for Teachers. , 2021, , .  |     | 0         |
| 7  | Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of 3 Qubits: One<br>Reports to Two. Entropy, 2021, 23, 374.  | 2.2 | 2         |
| 8  | Inhibition of biofilm formation on polystyrene substrates by atmospheric pressure plasma<br>polymerization of siloxaneâ€based coatings. Plasma Processes and Polymers, 2021, 18, e2100097. | 3.0 | 2         |
| 9  | Atmospheric pressure cold plasma anti-biofilm coatings for 3D printed food tools. Innovative Food<br>Science and Emerging Technologies, 2020, 64, 102404.                                  | 5.6 | 18        |
| 10 | Improving the feeder shoe design of an eccentric tablet press machine. Powder Technology, 2020, 372, 542-562.  | 4.2 | 2         |
| 11 | Antibiofilm coatings through atmospheric pressure plasma for 3D printed surgical instruments.<br>Surface and Coatings Technology, 2020, 399, 126163.                                       | 4.8 | 14        |
| 12 | Numerical Modeling for Simulation of Compaction of Refractory Materials for Secondary<br>Steelmaking. Materials, 2020, 13, 224.  | 2.9 | 4         |
| 13 | Valorization of bio-waste for the removal of aluminum from industrial wastewater. Journal of<br>Cleaner Production, 2020, 264, 121608.   | 9.3 | 20        |
| 14 | The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2020, 642, A22.  | 5.1 | 19        |
| 15 | Bioremediation of Waste Water to Remove Heavy Metals Using the Spent Mushroom Substrate of<br>Agaricus bisporus. Water (Switzerland), 2019, 11, 454.                                       | 2.7 | 42        |
| 16 | A Model for Competence E-Assessment and Feedback in Higher Education. Advances in Higher<br>Education and Professional Development Book Series, 2019, , 295-311.                           | 0.2 | 0         |
| 17 | Data Mining to Identify Project Management Strategies in Learning Environments. Advances in Computer and Electrical Engineering Book Series, 2019, , 532-545.                              | 0.3 | 0         |
| 18 | Segregation in the tank of a rotary tablet press machine using experimental and discrete element methods. Powder Technology, 2018, 328, 452-469.   | 4.2 | 14        |

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|----|--|-----|-----------|
| 19 | Estimates of the atmospheric parameters of M-type stars: a machine-learning perspective. Monthly<br>Notices of the Royal Astronomical Society, 2018, 476, 1120-1139.                                 | 4.4 | 12        |
| 20 | A Virtual Learning Environment to Support Project Management Teaching. Advances in Intelligent<br>Systems and Computing, 2018, , 751-759.  | 0.6 | 3         |
| 21 | Comparison of Cohesive Models in EDEM and LIGGGHTS for Simulating Powder Compaction. Materials, 2018, 11, 2341.  | 2.9 | 20        |
| 22 | Data Mining to Identify Project Management Strategies in Learning Environments. , 2018, , 1934-1946.   |     | 1         |
| 23 | Computer-Assisted Method Based on Continuous Feedback to Improve theÂAcademic Achievements ofÂEngineering Students. Communications in Computer and Information Science, 2018, , 390-403.             | 0.5 | Ο         |
| 24 | ENGAGING ENGINEERING STUDENTS WITH DAILY STUDY THROUGH FLIPPED CLASSROOM & GAMIFICATION EXPERIENCE. , 2018, , .  |     | 1         |
| 25 | Antifriction aminopropyltriethoxysilane films on thermoplastic elastomer substrates using an APPJ system. Surface and Coatings Technology, 2017, 310, 239-250.                                       | 4.8 | 8         |
| 26 | Evaluation of data compression techniques for the inference of stellar atmospheric parameters from high-resolution spectra. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4556-4571. | 4.4 | 4         |
| 27 | Reducing friction on glass substrates by atmospheric plasma-polymerization of APTES. Surface and Coatings Technology, 2017, 309, 1062-1071.  | 4.8 | 9         |
| 28 | <i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.  | 5.1 | 78        |
| 29 | <i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.  | 5.1 | 77        |
| 30 | An Online Assessment and Feedback Approach in Project Management Learning. , 2017, , .   |     | 5         |
| 31 | An analytical method for measuring competence in project management. British Journal of Educational Technology, 2016, 47, 1324-1339.   | 6.3 | 19        |
| 32 | The <i>Gaia</i> mission. Astronomy and Astrophysics, 2016, 595, A1.  | 5.1 | 4,509     |
| 33 | <i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.   | 5.1 | 1,590     |
| 34 | A Multi-Granularity Pattern-Based Sequence Classification Framework for Educational Data. , 2016, , .  |     | 6         |
| 35 | Student evaluation of a virtual experience for project management learning: An empirical study for learning improvement. Computers and Education, 2016, 102, 172-187.                                | 8.3 | 39        |
| 36 | Composting of Spent Mushroom Substrate and Winery Sludge. Compost Science and Utilization, 2015, 23, 58-65.  | 1.2 | 15        |

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|----|---|-----|-----------|
| 37 | Enhanced surface friction coefficient and hydrophobicity of TPE substrates using an APPJ system.<br>Applied Surface Science, 2015, 328, 554-567.  | 6.1 | 17        |
| 38 | Competence Assessment Framework for Project Management Learners and Practitioners.<br>Communications in Computer and Information Science, 2015, , 225-241.  | 0.5 | 3         |
| 39 | Analysing Online Education-based Asynchronous Communication Tools to Detect Students' Roles. ,<br>2015, , .   |     | Ο         |
| 40 | Advanced predictive system using artificial intelligence for cleaning of steel coils. Ironmaking and Steelmaking, 2014, 41, 262-269.  | 2.1 | 7         |
| 41 | A New Device for Dosing Additives in the Food Industry Using Quality Function Deployment. Journal of<br>Food Process Engineering, 2014, 37, 387-395.  | 2.9 | 5         |
| 42 | Advanced predictive quality control strategy involving different facilities. International Journal of<br>Advanced Manufacturing Technology, 2013, 67, 1245-1256.  | 3.0 | 6         |
| 43 | An ICT based project management learning framework. , 2013, , .   |     | 1         |
| 44 | An intelligent supervision system for open loop controlled processes. Journal of Intelligent<br>Manufacturing, 2013, 24, 15-24.   | 7.3 | 2         |
| 45 | Tribological behavior of plasma-polymerized aminopropyltriethoxysilane films deposited on thermoplastic elastomers substrates. Thin Solid Films, 2013, 540, 125-134.  | 1.8 | 28        |
| 46 | Improved variability classification of CoRoT targets with Giraffe spectra. Astronomy and Astrophysics, 2013, 550, A120.   | 5.1 | 20        |
| 47 | Two-Way Classification of a Data Table with Non Negative Entries: The Role of the<br>I‡ <sup>2</sup> Distance and Correspondence Analysis. Communications in Statistics Part B: Simulation<br>and Computation, 2012, 41, 1006-1022. | 1.2 | 3         |
| 48 | A simulation method to estimate closing forces in car-sealing rubber elements. International Journal of Vehicle Design, 2012, 59, 249.  | 0.3 | 1         |
| 49 | An improved way for evaluating competences: A different approach to project management learning. , 2011, , .  |     | 2         |
| 50 | Development of neural network-based models to predict mechanical properties of hot dip galvanised steel coils. International Journal of Data Mining, Modelling and Management, 2011, 3, 389.  | 0.1 | 10        |
| 51 | Deposition of thin-films on EPDM substrate with a plasma-polymerized coating. Surface and Coatings Technology, 2011, 206, 234-242.  | 4.8 | 20        |
| 52 | Effort estimates through project complexity. Annals of Operations Research, 2011, 186, 395-406.   | 4.1 | 10        |
| 53 | Genetic Algorithms Combined with the Finite Elements Method as an Efficient Methodology for the Design of Tapered Roller Bearings. Advances in Intelligent and Soft Computing, 2011, , 243-252.                                     | 0.2 | 0         |
| 54 | Comparison of models created for the prediction of the mechanical properties of galvanized steel coils. Journal of Intelligent Manufacturing, 2010, 21, 403-421.  | 7.3 | 18        |

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|----|---|-----|-----------|
| 55 | Optimum model for predicting temperature settings on hot dip galvanising line. Ironmaking and Steelmaking, 2010, 37, 187-194.   | 2.1 | 6         |
| 56 | Control Model for an Elastomer Extrusion Process Obtained via a Comparative Analysis of Data<br>Mining and Artificial Intelligence Techniques. Polymer-Plastics Technology and Engineering, 2010, 49,<br>779-790. | 1.9 | 3         |
| 57 | A Multi-agent Data Mining System for Defect Forecasting in a Decentralized Manufacturing Environment. Advances in Intelligent and Soft Computing, 2010, , 43-50.  | 0.2 | 1         |
| 58 | Application to Bankruptcy Prediction in Banks. , 2010, , 427-439.   |     | 0         |
| 59 | Data Mining Applications in Steel Industry. , 2009, , 400-405.  |     | 0         |
| 60 | Hierarchical clustering of subpopulations with a dissimilarity based on the likelihood ratio statistic: application to clustering massive data sets. Pattern Analysis and Applications, 2008, 11, 199-220.        | 4.6 | 6         |
| 61 | A neural network-based approach for optimising rubber extrusion lines. International Journal of<br>Computer Integrated Manufacturing, 2007, 20, 828-837.  | 4.6 | 26        |
| 62 | TAO-robust backpropagation learning algorithm. Neural Networks, 2005, 18, 191-204.  | 5.9 | 47        |
| 63 | Steel annealing furnace robust neural network model. Ironmaking and Steelmaking, 2005, 32, 418-426.   | 2.1 | 23        |
| 64 | Estimation of mechanical properties of steel strip in hot dip galvanising lines. Ironmaking and<br>Steelmaking, 2004, 31, 43-50.  | 2.1 | 23        |