Ana GonzÃ¡lez-Marcos

List of Publications by Year
in descending order

64 papers	6,856 citations	471061 17 h-index	197535 49 g-index
65 all docs	65 docs citations	65 times ranked	8215 citing authors

#	Article	IF	Citations
1	Development and characterization of anti-biofilm coatings applied by Non-Equilibrium Atmospheric Plasma on stainless steel. Food Research International, 2022, 152, 109891.	2.9	13
2	Promotion of biofilm production via atmospheric-pressure plasma-polymerization for biomedical applications. Applied Surface Science, 2022, 581, 152350.	3.1	8
3	Improvement of Quantum Approximate Optimization Algorithm for Max–Cut Problems. Sensors, 2022, 22, 244.	2.1	6
4	Quantum Deep Learning for Steel Industry Computer Vision Quality Control.. IFAC-PapersOnLine, 2022, 55, 337-342.	0.5	4
5	Quantum cyber-physical systems. Scientific Reports, 2022, 12, 7964.	1.6	2
6	Design and Validation of an Emerging Educational Technologies Acceptance and Integration Questionnaire for Teachers. , 2021, , .		0
7	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of 3 Qubits: One Reports to Two. Entropy, 2021, 23, 374.	1.1	2
8	Inhibition of biofilm formation on polystyrene substrates by atmospheric pressure plasma polymerization of siloxane–based coatings. Plasma Processes and Polymers, 2021, 18, e2100097.	1.6	2
9	Atmospheric pressure cold plasma anti-biofilm coatings for 3D printed food tools. Innovative Food Science and Emerging Technologies, 2020, 64, 102404.	2.7	18
10	Improving the feeder shoe design of an eccentric tablet press machine. Powder Technology, 2020, 372, 542-562.	2.1	2
11	Antibiofilm coatings through atmospheric pressure plasma for 3D printed surgical instruments. Surface and Coatings Technology, 2020, 399, 126163.	2.2	14
12	Numerical Modeling for Simulation of Compaction of Refractory Materials for Secondary Steelmaking. Materials, 2020, 13, 224.	1.3	4
13	Valorization of bio-waste for the removal of aluminum from industrial wastewater. Journal of Cleaner Production, 2020, 264, 121608.	4.6	20
14	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2020, 642, A22.	2.1	19
15	Bioremediation of Waste Water to Remove Heavy Metals Using the Spent Mushroom Substrate of Agaricus bisporus. Water (Switzerland), 2019, 11, 454.	1.2	42
16	A Model for Competence E-Assessment and Feedback in Higher Education. Advances in Higher Education and Professional Development Book Series, 2019, , 295-311.	0.1	0
17	Data Mining to Identify Project Management Strategies in Learning Environments. Advances in Computer and Electrical Engineering Book Series, 2019, , 532-545.	0.2	0
18	Segregation in the tank of a rotary tablet press machine using experimental and discrete element methods. Powder Technology, 2018, 328, 452-469.	2.1	14

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19	Estimates of the atmospheric parameters of M-type stars: a machine-learning perspective. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1120-1139.	1.6	12
20	A Virtual Learning Environment to Support Project Management Teaching. Advances in Intelligent Systems and Computing, 2018, , 751-759.	0.5	3
21	Comparison of Cohesive Models in EDEM and LIGGGHTS for Simulating Powder Compaction. Materials, 2018, 11, 2341.	1.3	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.	0.4	0
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.	2.2	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.	1.6	4
27	Reducing friction on glass substrates by atmospheric plasma-polymerization of APTES. Surface and Coatings Technology, 2017, 309, 1062-1071.	2.2	9
28	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	2.1	78
29	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	2.1	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.	3.9	19
32	The <i>Gaia</i> mission. Astronomy and Astrophysics, 2016, 595, A1.	2.1	4,509
33	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	2.1	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.	5.1	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. Applied Surface Science, 2015, 328, 554-567.	3.1	17
38	Competence Assessment Framework for Project Management Learners and Practitioners. Communications in Computer and Information Science, 2015, , 225-241.	0.4	3
39	Analysing Online Education-based Asynchronous Communication Tools to Detect Studentsâ€™ Roles. , 2015, , .		0
40	Advanced predictive system using artificial intelligence for cleaning of steel coils. Ironmaking and Steelmaking, 2014, 41, 262-269.	1.1	7
41	A New Device for Dosing Additives in the Food Industry Using Quality Function Deployment. Journal of Food Process Engineering, 2014, 37, 387-395.	1.5	5
42	Advanced predictive quality control strategy involving different facilities. International Journal of Advanced Manufacturing Technology, 2013, 67, 1245-1256.	1.5	6
43	An ICT based project management learning framework. , 2013, , .		1
44	An intelligent supervision system for open loop controlled processes. Journal of Intelligent Manufacturing, 2013, 24, 15-24.	4.4	2
45	Tribological behavior of plasma-polymerized aminopropyltriethoxysilane films deposited on thermoplastic elastomers substrates. Thin Solid Films, 2013, 540, 125-134.	0.8	28
46	Improved variability classification of CoRoT targets with Giraffe spectra. Astronomy and Astrophysics, 2013, 550, A120.	2.1	20
47	Two-Way Classification of a Data Table with Non Negative Entries: The Role of the $\ddot{I}\ddagger^2$ Distance and Correspondence Analysis. Communications in Statistics Part B: Simulation and Computation, 2012, 41, 1006-1022.	0.6	3
48	A simulation method to estimate closing forces in car-sealing rubber elements. International Journal of Vehicle Design, 2012, 59, 249.	0.1	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.	2.2	20
52	Effort estimates through project complexity. Annals of Operations Research, 2011, 186, 395-406.	2.6	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.	4.4	18

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55	Optimum model for predicting temperature settings on hot dip galvanising line. Ironmaking and Steelmaking, 2010, 37, 187-194.	1.1	6
56	Control Model for an Elastomer Extrusion Process Obtained via a Comparative Analysis of Data Mining and Artificial Intelligence Techniques. Polymer-Plastics Technology and Engineering, 2010, 49, 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.	3.1	6
61	A neural network-based approach for optimising rubber extrusion lines. International Journal of Computer Integrated Manufacturing, 2007, 20, 828-837.	2.9	26
62	TAO-robust backpropagation learning algorithm. Neural Networks, 2005, 18, 191-204.	3.3	47
63	Steel annealing furnace robust neural network model. Ironmaking and Steelmaking, 2005, 32, 418-426.	1.1	23
64	Estimation of mechanical properties of steel strip in hot dip galvanising lines. Ironmaking and Steelmaking, 2004, 31, 43-50.	1.1	23