Ana Gonzlez-Marcos

List of Publications by Citations

58 papers	4,845 citations	15 h-index	65 g-index
65 ext. papers	5,873 ext. citations	3.7 avg, IF	3.84 L-index

#	Paper	IF	Citations
58	TheGaiamission. *Astronomy and Astrophysics*, **2016**, 595, A1	5.1	2933
57	GaiaData Release 1. *Astronomy and Astrophysics*, **2016**, 595, A2	5.1	1364
56	Gaia Data Release 1. *Astronomy and Astrophysics*, **2017**, 601, A19	5.1	71
55	Gaia Data Release 1. *Astronomy and Astrophysics*, **2017**, 605, A79	5.1	64
54	TAO-robust backpropagation learning algorithm. *Neural Networks*, **2005**, 18, 191-204	9.1	37
53	Student evaluation of a virtual experience for project management learning: An empirical study for learning improvement. *Computers and Education*, **2016**, 102, 172-187	9.5	26
52	Bioremediation of Waste Water to Remove Heavy Metals Using the Spent Mushroom Substrate of Agaricus bisporus. *Water (Switzerland)*, **2019**, 11, 454	3	24
51	A neural network-based approach for optimising rubber extrusion lines. *International Journal of Computer Integrated Manufacturing*, **2007**, 20, 828-837	4.3	22
50	Tribological behavior of plasma-polymerized aminopropyltriethoxysilane films deposited on thermoplastic elastomers substrates. *Thin Solid Films*, **2013**, 540, 125-134	2.2	21
49	Estimation of mechanical properties of steel strip in hot dip galvanising lines. *Ironmaking and Steelmaking*, **2004**, 31, 43-50	1.3	21
48	Deposition of thin-films on EPDM substrate with a plasma-polymerized coating. *Surface and Coatings Technology*, **2011**, 206, 234-242	4.4	19
47	Steel annealing furnace robust neural network model. *Ironmaking and Steelmaking*, **2005**, 32, 418-426	1.3	19
46	Comparison of models created for the prediction of the mechanical properties of galvanized steel coils. *Journal of Intelligent Manufacturing*, **2010**, 21, 403-421	6.7	16
45	Enhanced surface friction coefficient and hydrophobicity of TPE substrates using an APPJ system. *Applied Surface Science*, **2015**, 328, 554-567	6.7	15
44	Improved variability classification of CoRoT targets with Giraffe spectra. *Astronomy and Astrophysics*, **2013**, 550, A120	5.1	15
43	Composting of Spent Mushroom Substrate and Winery Sludge. *Compost Science and Utilization*, **2015**, 23, 58-65	1.2	13
42	An analytical method for measuring competence in project management. *British Journal of Educational Technology*, **2016**, 47, 1324-1339	4.3	13

41	Comparison of Cohesive Models in EDEM and LIGGGHTS for Simulating Powder Compaction. *Materials*, **2018**, 11,	3.5	12
40	Atmospheric pressure cold plasma anti-biofilm coatings for 3D printed food tools. *Innovative Food Science and Emerging Technologies*, **2020**, 64, 102404	6.8	10
39	Estimates of the atmospheric parameters of M-type stars: a machine-learning perspective. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 1120-1139	4.3	10
38	The CARMENES search for exoplanets around M dwarfs. *Astronomy and Astrophysics*, **2020**, 642, A22	5.1	10
37	Effort estimates through project complexity. *Annals of Operations Research*, **2011**, 186, 395-406	3.2	9
36	Antibiofilm coatings through atmospheric pressure plasma for 3D printed surgical instruments. *Surface and Coatings Technology*, **2020**, 399, 126163	4.4	8
35	Valorization of bio-waste for the removal of aluminum from industrial wastewater. *Journal of Cleaner Production*, **2020**, 264, 121608	10.3	8
34	Segregation in the tank of a rotary tablet press machine using experimental and discrete element methods. *Powder Technology*, **2018**, 328, 452-469	5.2	8
33	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	0.2	7
32	Antifriction aminopropyltriethoxysilane films on thermoplastic elastomer substrates using an APPJ system. *Surface and Coatings Technology*, **2017**, 310, 239-250	4.4	6
31	Advanced predictive system using artificial intelligence for cleaning of steel coils. *Ironmaking and Steelmaking*, **2014**, 41, 262-269	1.3	6
30	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	2.3	6
29	Advanced predictive quality control strategy involving different facilities. *International Journal of Advanced Manufacturing Technology*, **2013**, 67, 1245-1256	3.2	5
28	Reducing friction on glass substrates by atmospheric plasma-polymerization of APTES. *Surface and Coatings Technology*, **2017**, 309, 1062-1071	4.4	5
27	Optimum model for predicting temperature settings on hot dip galvanising line. *Ironmaking and Steelmaking*, **2010**, 37, 187-194	1.3	5
26	Development and characterization of anti-biofilm coatings applied by Non-Equilibrium Atmospheric Plasma on stainless steel.. *Food Research International*, **2022**, 152, 109891	7	5
25	A New Device for Dosing Additives in the Food Industry Using Quality Function Deployment. *Journal of Food Process Engineering*, **2014**, 37, 387-395	2.4	4
24	A Multi-Granularity Pattern-Based Sequence Classification Framework for Educational Data **2016**,		4

No.	Reference	IF	Cites
23	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	4.3	3
22	Numerical Modeling for Simulation of Compaction of Refractory Materials for Secondary Steelmaking. *Materials*, **2020**, 13,	3.5	3
21	An Online Assessment and Feedback Approach in Project Management Learning **2017**,		3
20	A Virtual Learning Environment to Support Project Management Teaching. *Advances in Intelligent Systems and Computing*, **2018**, 751-759	0.4	2
19	An intelligent supervision system for open loop controlled processes. *Journal of Intelligent Manufacturing*, **2013**, 24, 15-24	6.7	2
18	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		2
17	Two-Way Classification of a Data Table with Non Negative Entries: The Role of the 𝟀 Distance and Correspondence Analysis. *Communications in Statistics Part B: Simulation and Computation*, **2012**, 41, 1006-1022	0.6	2
16	Promotion of biofilm production via atmospheric-pressure plasma-polymerization for biomedical applications. *Applied Surface Science*, **2022**, 581, 152350	6.7	2
15	Competence Assessment Framework for Project Management Learners and Practitioners. *Communications in Computer and Information Science*, **2015**, 225-241	0.3	2
14	Data Mining to Identify Project Management Strategies in Learning Environments **2018**, 1934-1946		1
13	A Multi-agent Data Mining System for Defect Forecasting in a Decentralized Manufacturing Environment. *Advances in Intelligent and Soft Computing*, **2010**, 43-50		1
12	Improving the feeder shoe design of an eccentric tablet press machine. *Powder Technology*, **2020**, 372, 542-562	5.2	0
11	A simulation method to estimate closing forces in car-sealing rubber elements. *International Journal of Vehicle Design*, **2012**, 59, 249	2.4	0
10	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of 3 Qubits: One Reports to Two. *Entropy*, **2021**, 23,	2.8	0
9	Inhibition of biofilm formation on polystyrene substrates by atmospheric pressure plasma polymerization of siloxane-based coatings. *Plasma Processes and Polymers*, e2100097	3.4	0
8	Quantum cyber-physical systems.. *Scientific Reports*, **2022**, 12, 7964	4.9	0
7	Computer-Assisted Method Based on Continuous Feedback to Improve the Academic Achievements of Engineering Students. *Communications in Computer and Information Science*, **2018**, 390-403	0.2	0
6	A Model for Competence E-Assessment and Feedback in Higher Education. *Advances in Higher Education and Professional Development Book Series*, **2019**, 295-311	0.2	

List of Publications

5   Data Mining to Identify Project Management Strategies in Learning Environments. *Advances in Computer and Electrical Engineering Book Series*, **2019**, 532-545   0.3

4   Data Mining Applications in Steel Industry **2009**, 400-405   5

3   Application to Bankruptcy Prediction in Banks **2010**, 427-439

2   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

1   Quantum Deep Learning for Steel Industry Computer Vision Quality Control.. *IFAC-PapersOnLine*, **2022**, 55, 337-342   0.7