

Ana Gonzalez-Marcos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Promotion of biofilm production via atmospheric-pressure plasma-polymerization for biomedical applications. <i>Applied Surface Science</i> , 2022 , 581, 152350	6.7	2
57	Development and characterization of anti-biofilm coatings applied by Non-Equilibrium Atmospheric Plasma on stainless steel.. <i>Food Research International</i> , 2022 , 152, 109891	7	5
56	Quantum Deep Learning for Steel Industry Computer Vision Quality Control.. <i>IFAC-PapersOnLine</i> , 2022 , 55, 337-342	0.7	
55	Quantum cyber-physical systems.. <i>Scientific Reports</i> , 2022 , 12, 7964	4.9	0
54	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of 3 Qubits: One Reports to Two. <i>Entropy</i> , 2021 , 23,	2.8	0
53	Atmospheric pressure cold plasma anti-biofilm coatings for 3D printed food tools. <i>Innovative Food Science and Emerging Technologies</i> , 2020 , 64, 102404	6.8	10
52	Improving the feeder shoe design of an eccentric tablet press machine. <i>Powder Technology</i> , 2020 , 372, 542-562	5.2	0
51	Antibiofilm coatings through atmospheric pressure plasma for 3D printed surgical instruments. <i>Surface and Coatings Technology</i> , 2020 , 399, 126163	4.4	8
50	Numerical Modeling for Simulation of Compaction of Refractory Materials for Secondary Steelmaking. <i>Materials</i> , 2020 , 13,	3.5	3
49	Valorization of bio-waste for the removal of aluminum from industrial wastewater. <i>Journal of Cleaner Production</i> , 2020 , 264, 121608	10.3	8
48	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020 , 642, A22	5.1	10
47	Bioremediation of Waste Water to Remove Heavy Metals Using the Spent Mushroom Substrate of <i>Agaricus bisporus</i> . <i>Water (Switzerland)</i> , 2019 , 11, 454	3	24
46	A Model for Competence E-Assessment and Feedback in Higher Education. <i>Advances in Higher Education and Professional Development Book Series</i> , 2019 , 295-311	0.2	
45	Data Mining to Identify Project Management Strategies in Learning Environments. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2019 , 532-545	0.3	
44	Segregation in the tank of a rotary tablet press machine using experimental and discrete element methods. <i>Powder Technology</i> , 2018 , 328, 452-469	5.2	8
43	Estimates of the atmospheric parameters of M-type stars: a machine-learning perspective. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 1120-1139	4.3	10
42	A Virtual Learning Environment to Support Project Management Teaching. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 751-759	0.4	2

41	Data Mining to Identify Project Management Strategies in Learning Environments 2018 , 1934-1946		1
40	Computer-Assisted Method Based on Continuous Feedback to Improve the Academic Achievements of Engineering Students. <i>Communications in Computer and Information Science</i> , 2018 , 390-403		9.3
39	Comparison of Cohesive Models in EDEM and LIGGGHTS for Simulating Powder Compaction. <i>Materials</i> , 2018 , 11,	3.5	12
38	Antifriction aminopropyltriethoxysilane films on thermoplastic elastomer substrates using an APPJ system. <i>Surface and Coatings Technology</i> , 2017 , 310, 239-250	4.4	6
37	Evaluation of data compression techniques for the inference of stellar atmospheric parameters from high-resolution spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 4556-4571	4.3	3
36	Reducing friction on glass substrates by atmospheric plasma-polymerization of APTES. <i>Surface and Coatings Technology</i> , 2017 , 309, 1062-1071	4.4	5
35	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 605, A79	5.1	64
34	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 601, A19	5.1	71
33	An Online Assessment and Feedback Approach in Project Management Learning 2017 ,		3
32	Student evaluation of a virtual experience for project management learning: An empirical study for learning improvement. <i>Computers and Education</i> , 2016 , 102, 172-187	9.5	26
31	An analytical method for measuring competence in project management. <i>British Journal of Educational Technology</i> , 2016 , 47, 1324-1339	4.3	13
30	TheGaiamission. <i>Astronomy and Astrophysics</i> , 2016 , 595, A1	5.1	2933
29	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A2	5.1	1364
28	A Multi-Granularity Pattern-Based Sequence Classification Framework for Educational Data 2016 ,		4
27	Enhanced surface friction coefficient and hydrophobicity of TPE substrates using an APPJ system. <i>Applied Surface Science</i> , 2015 , 328, 554-567	6.7	15
26	Composting of Spent Mushroom Substrate and Winery Sludge. <i>Compost Science and Utilization</i> , 2015 , 23, 58-65	1.2	13
25	Competence Assessment Framework for Project Management Learners and Practitioners. <i>Communications in Computer and Information Science</i> , 2015 , 225-241	0.3	2
24	A New Device for Dosing Additives in the Food Industry Using Quality Function Deployment. <i>Journal of Food Process Engineering</i> , 2014 , 37, 387-395	2.4	4

23	Advanced predictive system using artificial intelligence for cleaning of steel coils. <i>Ironmaking and Steelmaking</i> , 2014 , 41, 262-269	1.3	6
22	Advanced predictive quality control strategy involving different facilities. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 67, 1245-1256	3.2	5
21	An intelligent supervision system for open loop controlled processes. <i>Journal of Intelligent Manufacturing</i> , 2013 , 24, 15-24	6.7	2
20	Tribological behavior of plasma-polymerized aminopropyltriethoxysilane films deposited on thermoplastic elastomers substrates. <i>Thin Solid Films</i> , 2013 , 540, 125-134	2.2	21
19	Improved variability classification of CoRoT targets with Giraffe spectra. <i>Astronomy and Astrophysics</i> , 2013 , 550, A120	5.1	15
18	A simulation method to estimate closing forces in car-sealing rubber elements. <i>International Journal of Vehicle Design</i> , 2012 , 59, 249	2.4	0
17	Two-Way Classification of a Data Table with Non Negative Entries: The Role of the χ^2 Distance and Correspondence Analysis. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2012 , 41, 1006-1022	0.6	2
16	Development of neural network-based models to predict mechanical properties of hot dip galvanised steel coils. <i>International Journal of Data Mining, Modelling and Management</i> , 2011 , 3, 389	0.2	7
15	Deposition of thin-films on EPDM substrate with a plasma-polymerized coating. <i>Surface and Coatings Technology</i> , 2011 , 206, 234-242	4.4	19
14	Effort estimates through project complexity. <i>Annals of Operations Research</i> , 2011 , 186, 395-406	3.2	9
13	Genetic Algorithms Combined with the Finite Elements Method as an Efficient Methodology for the Design of Tapered Roller Bearings. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 243-252		
12	Optimum model for predicting temperature settings on hot dip galvanising line. <i>Ironmaking and Steelmaking</i> , 2010 , 37, 187-194	1.3	5
11	Control Model for an Elastomer Extrusion Process Obtained via a Comparative Analysis of Data Mining and Artificial Intelligence Techniques. <i>Polymer-Plastics Technology and Engineering</i> , 2010 , 49, 779-790		2
10	Comparison of models created for the prediction of the mechanical properties of galvanized steel coils. <i>Journal of Intelligent Manufacturing</i> , 2010 , 21, 403-421	6.7	16
9	A Multi-agent Data Mining System for Defect Forecasting in a Decentralized Manufacturing Environment. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 43-50		1
8	Application to Bankruptcy Prediction in Banks 2010 , 427-439		
7	Data Mining Applications in Steel Industry 2009 , 400-405		
6	Hierarchical clustering of subpopulations with a dissimilarity based on the likelihood ratio statistic: application to clustering massive data sets. <i>Pattern Analysis and Applications</i> , 2008 , 11, 199-220	2.3	6

5	A neural network-based approach for optimising rubber extrusion lines. <i>International Journal of Computer Integrated Manufacturing</i> , 2007 , 20, 828-837	4-3	22
4	TAO-robust backpropagation learning algorithm. <i>Neural Networks</i> , 2005 , 18, 191-204	9-1	37
3	Steel annealing furnace robust neural network model. <i>Ironmaking and Steelmaking</i> , 2005 , 32, 418-426	1-3	19
2	Estimation of mechanical properties of steel strip in hot dip galvanising lines. <i>Ironmaking and Steelmaking</i> , 2004 , 31, 43-50	1-3	21
1	Inhibition of biofilm formation on polystyrene substrates by atmospheric pressure plasma polymerization of siloxane-based coatings. <i>Plasma Processes and Polymers</i> , e2100097	3-4	0