Ana GonzÃ¡lez-Marcos

List of Publications by Year
in descending order

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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	TheGaiamission. Astronomy and Astrophysics, 2016, 595, A1.	2.1	4,509
2	GaiaData Release 1. Astronomy and Astrophysics, 2016, 595, A2.	2.1	1,590
3	Gaia Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	2.1	78
4	Gaia Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	2.1	77
5	TAO-robust backpropagation learning algorithm. Neural Networks, 2005, 18, 191-204.	3.3	47
6	Bioremediation of Waste Water to Remove Heavy Metals Using the Spent Mushroom Substrate of Agaricus bisporus. Water (Switzerland), 2019, 11, 454.	1.2	42
7	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
8	Tribological behavior of plasma-polymerized aminopropyltriethoxysilane films deposited on thermoplastic elastomers substrates. Thin Solid Films, 2013, 540, 125-134.	0.8	28
9	A neural network-based approach for optimising rubber extrusion lines. International Journal of Computer Integrated Manufacturing, 2007, 20, 828-837.	2.9	26
10	Estimation of mechanical properties of steel strip in hot dip galvanising lines. Ironmaking and Steelmaking, 2004, 31, 43-50.	1.1	23
11	Steel annealing furnace robust neural network model. Ironmaking and Steelmaking, 2005, 32, 418-426.	1.1	23
12	Deposition of thin-films on EPDM substrate with a plasma-polymerized coating. Surface and Coatings Technology, 2011, 206, 234-242.	2.2	20
13	Improved variability classification of CoRoT targets with Giraffe spectra. Astronomy and Astrophysics, 2013, 550, A120.	2.1	20
14	Comparison of Cohesive Models in EDEM and LIGGGHTS for Simulating Powder Compaction. Materials, 2018, 11, 2341.	1.3	20
15	Valorization of bio-waste for the removal of aluminum from industrial wastewater. Journal of Cleaner Production, 2020, 264, 121608.	4.6	20
16	An analytical method for measuring competence in project management. British Journal of Educational Technology, 2016, 47, 1324-1339.	3.9	19
17	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2020, 642, A22.	2.1	19
18	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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19	Atmospheric pressure cold plasma anti-biofilm coatings for 3D printed food tools. Innovative Food Science and Emerging Technologies, 2020, 64, 102404.	2.7	18
20	Enhanced surface friction coefficient and hydrophobicity of TPE substrates using an APPJ system. Applied Surface Science, 2015, 328, 554-567.	3.1	17
21	Composting of Spent Mushroom Substrate and Winery Sludge. Compost Science and Utilization, 2015, 23, 58-65.	1.2	15
22	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
23	Antibiofilm coatings through atmospheric pressure plasma for 3D printed surgical instruments. Surface and Coatings Technology, 2020, 399, 126163.	2.2	14
24	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
25	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
26	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
27	Effort estimates through project complexity. Annals of Operations Research, 2011, 186, 395-406.	2.6	10
28	Reducing friction on glass substrates by atmospheric plasma-polymerization of APTES. Surface and Coatings Technology, 2017, 309, 1062-1071.	2.2	9
29	Antifriction aminopropyltriethoxysilane films on thermoplastic elastomer substrates using an APPJ system. Surface and Coatings Technology, 2017, 310, 239-250.	2.2	8
30	Promotion of biofilm production via atmospheric-pressure plasma-polymerization for biomedical applications. Applied Surface Science, 2022, 581, 152350.	3.1	8
31	Advanced predictive system using artificial intelligence for cleaning of steel coils. Ironmaking and Steelmaking, 2014, 41, 262-269.	1.1	7
32	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
33	Optimum model for predicting temperature settings on hot dip galvanising line. Ironmaking and Steelmaking, 2010, 37, 187-194.	1.1	6
34	Advanced predictive quality control strategy involving different facilities. International Journal of Advanced Manufacturing Technology, 2013, 67, 1245-1256.	1.5	6
35	A Multi-Granularity Pattern-Based Sequence Classification Framework for Educational Data. , 2016, , .		6
36	Improvement of Quantum Approximate Optimization Algorithm for Maxâ€“Cut Problems. Sensors, 2022, 22, 244.	2.1	6

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37	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
38	An Online Assessment and Feedback Approach in Project Management Learning. , 2017, , .		5
39	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
40	Numerical Modeling for Simulation of Compaction of Refractory Materials for Secondary Steelmaking. Materials, 2020, 13, 224.	1.3	4
41	Quantum Deep Learning for Steel Industry Computer Vision Quality Control.. IFAC-PapersOnLine, 2022, 55, 337-342.	0.5	4
42	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
43	Two-Way Classification of a Data Table with Non Negative Entries: The Role of the Ï‡²Distance and Correspondence Analysis. Communications in Statistics Part B: Simulation and Computation, 2012, 41, 1006-1022.	0.6	3
44	A Virtual Learning Environment to Support Project Management Teaching. Advances in Intelligent Systems and Computing, 2018, , 751-759.	0.5	3
45	Competence Assessment Framework for Project Management Learners and Practitioners. Communications in Computer and Information Science, 2015, , 225-241.	0.4	3
46	An improved way for evaluating competences: A different approach to project management learning. , 2011, , .		2
47	An intelligent supervision system for open loop controlled processes. Journal of Intelligent Manufacturing, 2013, 24, 15-24.	4.4	2
48	Improving the feeder shoe design of an eccentric tablet press machine. Powder Technology, 2020, 372, 542-562.	2.1	2
49	Industry 4.0 Quantum Strategic Organizational Design Configurations. The Case of 3 Qubits: One Reports to Two. Entropy, 2021, 23, 374.	1.1	2
50	Inhibition of biofilm formation on polystyrene substrates by atmospheric pressure plasma polymerization of siloxaneâ€based coatings. Plasma Processes and Polymers, 2021, 18, e2100097.	1.6	2
51	Quantum cyber-physical systems. Scientific Reports, 2022, 12, 7964.	1.6	2
52	A simulation method to estimate closing forces in car-sealing rubber elements. International Journal of Vehicle Design, 2012, 59, 249.	0.1	1
53	An ICT based project management learning framework. , 2013, , .		1
54	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

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55	Data Mining to Identify Project Management Strategies in Learning Environments. , 2018, , 1934-1946.		1
56	ENGAGING ENGINEERING STUDENTS WITH DAILY STUDY THROUGH FLIPPED CLASSROOM & GAMIFICATION EXPERIENCE. , 2018, , .		1
57	Design and Validation of an Emerging Educational Technologies Acceptance and Integration Questionnaire for Teachers. , 2021, , .		0
58	Data Mining Applications in Steel Industry. , 2009, , 400-405.		0
59	Application to Bankruptcy Prediction in Banks. , 2010, , 427-439.		0
60	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
61	Analysing Online Education-based Asynchronous Communication Tools to Detect Studentsâ€™ Roles. , 2015, , .		0
62	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
63	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
64	Data Mining to Identify Project Management Strategies in Learning Environments. Advances in Computer and Electrical Engineering Book Series, 2019, , 532-545.	0.2	0