Fernando Alba-ElÃas

List of Publications by Year
in descending order

54	781	516710	552781
papers	citations	16	26
		h-index	g-index

55	55	55	819
all docs	docs citations	times ranked	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.	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	Application of atmospheric pressure cold plasma to sanitize oak wine barrels. LWT - Food Science and Technology, 2021, 139, 110509.	5.2	7
4	Improvement of the adhesive capacity of SBR for footwear outsoles by surface activation and coating deposition with atmospheric pressure plasma. Plasma Processes and Polymers, 2021, 18, 2100046.	3.0	4
5	Atmospheric-pressure plasma treatments of NBR for the improvement of adhesion in footwear applications. International Journal of Adhesion and Adhesives, 2021, 108, 102865.	2.9	8
6	Inhibition of biofilm formation on polystyrene substrates by atmospheric pressure plasma polymerization of siloxane–based coatings. Plasma Processes and Polymers, 2021, 18, e2100097.	3.0	2
7	Durability Assessment of a Plasma-Polymerized Coating with Anti-Biofilm Activity against L. monocytogenes Subjected to Repeated Sanitization. Foods, 2021, 10, 2849.	4.3	6
8	Atmospheric pressure cold plasma anti-biofilm coatings for 3D printed food tools. Innovative Food Science and Emerging Technologies, 2020, 64, 102404.	5.6	18
9	Improving the feeder shoe design of an eccentric tablet press machine. Powder Technology, 2020, 372, 542-562.	4.2	2
10	Antibiofilm coatings through atmospheric pressure plasma for 3D printed surgical instruments. Surface and Coatings Technology, 2020, 399, 126163.	4.8	14
11	Numerical Modeling for Simulation of Compaction of Refractory Materials for Secondary Steelmaking. Materials, 2020, 13, 224.	2.9	4
12	Valorization of bio-waste for the removal of aluminum from industrial wastewater. Journal of Cleaner Production, 2020, 264, 121608.	9.3	20
13	BIM AND SPANISH HIGHER EDUCATION. , 2020, , .		0
14	Effect of the Atmospheric Pressure Cold Plasma Treatment on Tempranillo Red Wine Quality in Batch and Flow Systems. Beverages, 2019, 5, 50.	2.8	9
15	Production of Antibacterial Coatings Through Atmospheric Pressure Plasma: a Promising Alternative for Combatting Biofilms in the Food Industry. Food and Bioprocess Technology, 2019, 12, 1251-1263.	4.7	27
16	Bioremediation of Waste Water to Remove Heavy Metals Using the Spent Mushroom Substrate of Agaricus bisporus. Water (Switzerland), 2019, 11, 454.	2.7	42
17	A Review on Non-thermal Atmospheric Plasma for Food Preservation: Mode of Action, Determinants of Effectiveness, and Applications. Frontiers in Microbiology, 2019, 10, 622.	3.5	155
18	Atmospheric pressure air plasma treatment to improve the 3D printing of polyoxymethylene. Plasma Processes and Polymers, 2019, 16, e1900020.	3.0	7

#	Article	IF	Citations
19	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	0
20	Data Mining to Identify Project Management Strategies in Learning Environments. Advances in Computer and Electrical Engineering Book Series, 2019, , 532-545.	0.3	0
21	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
22	Analysis of the Online Interactions of Students in the Project Management Learning Process. Advances in Intelligent Systems and Computing, 2018, , 743-750.	0.6	1
23	Comparison of Cohesive Models in EDEM and LIGGGHTS for Simulating Powder Compaction. Materials, 2018, 11, 2341.	2.9	20
24	Data Mining to Identify Project Management Strategies in Learning Environments. , 2018, , 1934-1946.		1
25	Computer-Assisted Method Based on Continuous Feedback to Improve theÂAcademic Achievements ofÂEngineering Students. Communications in Computer and Information Science, 2018, , 390-403.	0.5	0
26	ENGAGING ENGINEERING STUDENTS WITH DAILY STUDY THROUGH FLIPPED CLASSROOM & GAMIFICATION EXPERIENCE. , 2018, , .		1
27	Antifriction aminopropyltriethoxysilane films on thermoplastic elastomer substrates using an APPJ system. Surface and Coatings Technology, 2017, 310, 239-250.	4.8	8
28	Atmospheric pressure air plasma treatment of glass substrates for improved silver/glass adhesion in solar mirrors. Solar Energy Materials and Solar Cells, 2017, 169, 287-296.	6.2	15
29	Reducing friction on glass substrates by atmospheric plasma-polymerization of APTES. Surface and Coatings Technology, 2017, 309, 1062-1071.	4.8	9
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	Promotion of tribological and hydrophobic properties of a coating on TPE substrates by atmospheric plasma-polymerization. Applied Surface Science, 2016, 371, 50-60.	6.1	15
33	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
34	Influence of DBD Inlet Geometry on the Homogeneity of Plasmaâ€Polymerized Acrylic Acid Films: The Use of a Microplasmaâ€"Electrode Inlet Configuration. Plasma Processes and Polymers, 2015, 12, 1153-1163.	3.0	28
35	Composting of Spent Mushroom Substrate and Winery Sludge. Compost Science and Utilization, 2015, 23, 58-65.	1.2	15
36	Enhanced surface friction coefficient and hydrophobicity of TPE substrates using an APPJ system. Applied Surface Science, 2015, 328, 554-567.	6.1	17

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37	Hydrophobicity attainment and wear resistance enhancement on glass substrates by atmospheric plasma-polymerization of mixtures of an aminosilane and a fluorocarbon. Applied Surface Science, 2015, 347, 325-335.	6.1	20
38	Competence Assessment Framework for Project Management Learners and Practitioners. Communications in Computer and Information Science, 2015, , 225-241.	0.5	3
39	Advanced predictive system using artificial intelligence for cleaning of steel coils. Ironmaking and Steelmaking, 2014, 41, 262-269.	2.1	7
40	Atmospheric plasma-polymerization of hydrophobic and wear-resistant coatings on glass substrates. Surface and Coatings Technology, 2014, 259, 374-385.	4.8	32
41	A New Device for Dosing Additives in the Food Industry Using Quality Function Deployment. Journal of Food Process Engineering, 2014, 37, 387-395.	2.9	5
42	Advanced predictive quality control strategy involving different facilities. International Journal of 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 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	An improved way for evaluating competences: A different approach to project management learning. , 2011, , .		2
47	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
48	Deposition of thin-films on EPDM substrate with a plasma-polymerized coating. Surface and Coatings Technology, 2011, 206, 234-242.	4.8	20
49	Realistic modelling and optimisation of steel section cooling process. Ironmaking and Steelmaking, 2011, 38, 17-27.	2.1	1
50	Fine tuning straightening process using genetic algorithms and finite element methods. Ironmaking and Steelmaking, 2010, 37, 119-125.	2.1	14
51	Combining regression trees and the finite element method to define stress models of highly non-linear mechanical systems. Journal of Strain Analysis for Engineering Design, 2009, 44, 491-502.	1.8	22
52	Modelling of an elastomer profile extrusion process using support vector machines (SVM). Journal of Materials Processing Technology, 2008, 197, 161-169.	6.3	15
53	A neural network-based approach for optimising rubber extrusion lines. International Journal of Computer Integrated Manufacturing, 2007, 20, 828-837.	4.6	26
54	Improvement and optimisation of hot dip galvanising line using neural networks and genetic algorithms. Ironmaking and Steelmaking, 2006, 33, 344-352.	2.1	14