Miguel X Rodriguez-Paz

List of Publications by Year
in descending order

49 papers	363 citations	1684188 5 h-index	1588992 8 g-index
50 all docs	50 docs citations	50 times ranked	265 citing authors

#	Article	IF	Citations
1	Augmented Reality as an enabling technology to evaluate risk in working postures. , 2022, , .		1
2	BIM and game engines for engineering online learning. , 2022, , .		2
3	A Challenge Based Model for the Development of Digital Transformation and Disciplinary Competences in Structural Engineering Courses. , 2022, , .		0
4	An Effective Methodology for the Attraction of Students into Engineering Programs for Post-Covid Normality. , 2022, , .		0
5	A Flexible Teaching Model with Digital Transformation Competences for Structural Engineering Courses. , 2022, , .		0
6	Developing disciplinary competencies in an â€œhybrid modelâ€•comparing â€œon-lineâ€•versus â€œface-to-faceâ€• interaction between students and lecturers. , 2022, , .		0
7	Virtual Reality Environment as a Developer of Working Competences. Advances in Intelligent Systems and Computing, 2021, , 138-145.	0.6	0
8	A Remote Robot Based Lab to Develop Competencies in Engineering Students during Covidl9 Pandemic. , 2021, , .		2
9	Women in Engineering Academic Programs: A Dynamic Modelling Approach for Southern Mexico. , 2021, , .		0
10	A Structural Engineering Lab Based on Virtual Construction Site Visits to Develop Studentsâ€™ Competencies for the New Normality. , 2021, , .		1
11	A Hybrid and Flexible Teaching Model for Engineering Courses Suitable for Pandemic Conditions towards the New Normality. , 2021, , .		2
12	Development of a BIM-VR application for e-learning engineering education. , 2021, , .		3
13	A Hybrid Teaching Model for Engineering Courses Suitable for Pandemic Conditions. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2021, 16, 267-275.	0.9	11
14	A Simple but Effective Gamification Methodology Based on Lego Type Models for the Attraction of More Students into STEM Programs in Developing Nations. , 2021, , .		0
15	Evaluating the Impact of the Use of Augmented Reality on Human Centered Design. , 2021, , .		0
16	Developing Digital and Communication Competencies in Architecture Courses while Strengthening International Perspectives. , 2021, , .		0
17	Students Perceptions of a Hybrid and Flexible Teaching Model for Post-COVID19 Normality. , 2021, , .		1
18	A hybrid flipped-learning model and a new learning-space to improve the performance of students in Structural Mechanics courses. , 2020, , .		8

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19	Integration of circular economy principles for developing sustainable development competences in higher education: an analysis of bachelor construction management courses. , 2020, , .		4
20	Successful Strategies for the attraction of more women into Engineering in Southern Mexico. , 2020, , .		2
21	Performance of college students in a statistics course using mastery learning. , 2020, , .		0
22	A Real-Time Remote Courses Model for the Improvement of the Overall Learning Experience. Lecture Notes in Computer Science, 2020, , 132-143.	1.3	1
23	Virtual Reality as a Factor to Improve Productivity in Learning Processes. Advances in Intelligent Systems and Computing, 2020, , 762-768.	0.6	3
24	Real-Time Remote Courses - A Case Study on Student Satisfaction and Implementation. International Journal of Learning and Teaching, 2020, , 219-224.	0.1	0
25	The Effects of the Exposure to an Aromatic Environment on Students During University Engineering Final Exam â€“ A Pilot Study. Advances in Intelligent Systems and Computing, 2020, , 182-187.	0.6	0
26	Promoting Sustainable Development Education through Competency-based Education Supported by Online Resources. , 2020, , .		1
27	Using BIM as a collaborative platform to improve e-learning in civil engineering. , 2020, , .		2
28	Virtual Reality Environments as a Strategy to Improve Processes Productivity. , 2020, , .		4
29	Robot based Challenges to Develop Disciplinary and Soft Competencies in Engineering Students. , 2020, , .		4
30	A Long-Distance/Online Teaching Model With Video Technology for Engineering Courses Suitable for Emergency Situations. , 2020, , .		2
31	Measuring the Developing of Competences with Collaborative Interdisciplinary Work. , 2019, , .		15
32	The i-Semester Experience: Undergraduate Challenge Based Learning within the Automotive Industry. , 2019, , .		12
33	Factors That Impact Mastery Learning in a Probability and Statistics Course. , 2019, , .		0
34	Use of an Offline Video Repository as a Tool to Improve Studentsâ€™ Performance in Engineering Courses versus Real-Time Long Distance Courses. , 2019, , .		10
35	Real-time Distance Courses to Improve Satisfaction and Competence - A Case Study on the Performance of Students Observing their Grades. , 2019, , .		7
36	Virtual Reality and Collaborative Interdisciplinary Work in the Development of Competences. , 2019, , .		0

#	Article	IF	Citations
37	An Enhanced Hybrid Model for Teaching Mechanics of Structures Courses. , 2019, , .		8
38	The Positive Effects on Student Performance of Using Social Networks in Courses of Applied Mechanics. , 2018, , .		5
39	Beginning of cracking of masonry walls due to vibrating and noise effects of machines. Vibroengineering PROCEDIA, 2018, 21, 184-189.	0.5	1
40	The approximation function of bridge deck vibration derived from the measured eigenmodes. International Journal of Applied Mathematics and Computer Science, 2017, 27, 799-814.	1.5	0
41	Hamiltonian formulation of the variable-h SPH equations. Journal of Computational Physics, 2005, 209, 541-558.	3.8	24
42	A corrected smooth particle hydrodynamics formulation of the shallow-water equations. Computers and Structures, 2005, 83, 1396-1410.	4.4	103
43	A corrected smooth particle hydrodynamics method for the simulation of debris flows. Numerical Methods for Partial Differential Equations, 2004, 20, 140-163.	3.6	38
44	Variational formulation for the smooth particle hydrodynamics (SPH) simulation of fluid and solid problems. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 1245-1256.	6.6	78
45	Usage of Building Information Modeling for Sustainable Development Education. , 0, , .		4
46	How the Use of an Internet Radio Program and Podcast Helped Civil Engineering Students Engage with Local Communities in Need. , 0, , .		0
47	Successful Strategies for Attracting More Female Students to Engineering Majors in Emerging Economies: The Case of Southern Mexico. , 0, , .		0
48	A Continuous Improvement Model to Enhance Academic Quality in Engineering Programs. , 0, , .		1
49	A Hybrid Online/Lectures Teaching Model for Mechanics of Structures Courses Involving New Learning Spaces. , 0, , .		3