

Rodrigo F Herrera

List of Publications by Year in descending order

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36
papers

404
citations

758635

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36
times ranked

222
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding Interactions between Design Team Members of Construction Projects Using Social Network Analysis. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020, 146, 04020053.	2.0	40
2	Cost Overrun Causative Factors in Road Infrastructure Projects: A Frequency and Importance Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5506.	1.3	38
3	Unmanned Aerial Vehicles (UAVs) for Physical Progress Monitoring of Construction. <i>Sensors</i> , 2021, 21, 4227.	2.1	33
4	Methodology for Building Information Modeling (BIM) Implementation in Structural Engineering Companies (SECs). <i>Advances in Civil Engineering</i> , 2019, 2019, 1-16.	0.4	25
5	Analyzing the Association between Lean Design Management Practices and BIM Uses in the Design of Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021, 147, .	2.0	25
6	BIM-based traffic analysis and simulation at road intersection design. <i>Automation in Construction</i> , 2021, 131, 103911.	4.8	24
7	Implementation of Facility Management for Port Infrastructure through the Use of UAVs, Photogrammetry and BIM. <i>Sensors</i> , 2021, 21, 6686.	2.1	19
8	Use of Unmanned Aerial Vehicles (UAVs) and Photogrammetry to Obtain the International Roughness Index (IRI) on Roads. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8788.	1.3	16
9	Highway Planning Trends: A Bibliometric Analysis. <i>Sustainability</i> , 2022, 14, 5544.	1.6	15
10	Assessing the Impacts of an IT LPS Support System on Schedule Accomplishment in Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, .	2.0	14
11	Interoperability of Digital Tools for the Monitoring and Control of Construction Projects. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10370.	1.3	14
12	Variables That Affect Thermal Comfort and Its Measuring Instruments: A Systematic Review. <i>Sustainability</i> , 2022, 14, 1773.	1.6	14
13	Impact of Game-Based Learning on Understanding Lean Construction Principles. <i>Sustainability</i> , 2019, 11, 5294.	1.6	13
14	Developing a benchmarking system for architecture design firms. <i>Engineering, Construction and Architectural Management</i> , 2019, 26, 139-152.	1.8	13
15	BIM Use Assessment (BUA) Tool for Characterizing the Application Levels of BIM Uses for the Planning and Design of Construction Projects. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-9.	0.4	12
16	Comparing Team Interactions in Traditional and BIM-Lean Design Management. <i>Buildings</i> , 2021, 11, 447.	1.4	11
17	Teaching Multi-Criteria Decision Making Based on Sustainability Factors Applied to Road Projects. <i>Sustainability</i> , 2020, 12, 8930.	1.6	9
18	Problems and Challenges in the Interactions of Design Teams of Construction Projects: A Bibliometric Study. <i>Buildings</i> , 2021, 11, 461.	1.4	9

#	ARTICLE	IF	CITATIONS
19	An Assessment of Lean Design Management Practices in Construction Projects. Sustainability, 2020, 12, 19.	1.6	8
20	Potential Application of BIM in RFI in Building Projects. Buildings, 2022, 12, 145.	1.4	8
21	Interaction Networks within Student Teams Learning Building Information Modeling (BIM). Journal of Civil Engineering Education, 2021, 147, .	0.8	5
22	Knowledge Management and Information Flow Through Social Networks Analysis in Chilean Architecture Firms. , 0, , .		5
23	Assessment of Lean Practices, Performance and Social Networks in Chilean Airport Projects. , 0, , .		5
24	Exploring the Relationship Among Planning Reliability (PPC), Linguistic Action Indicators and Social Network Metrics. , 0, , .		5
25	Waste Identification in the Operation of Structural Engineering Companies (SEC) According to Lean Management. Sustainability, 2021, 13, 4249.	1.6	4
26	Aprendizaje basado en proyectos colaborativos de entornos de programaci3n a partir de proyectos de ingeniera civil. Revista Electronica Educare, 2016, 21, 1.	0.1	3
27	Uso e Impacto de los Modelos nD como Herramienta para la Direcci3n de Proyectos en la Industria de la Arquitectura, Ingeniera y Construcci3n. Informacion Tecnologica (discontinued), 2017, 28, 169-178.	0.1	3
28	Using BIM-Based Sheets as a Visual Management Tool for on-Site Instructions: A Case Study. , 0, , .		3
29	Field Measurement of Noise and Ground Surface Vibration during Pile Jetting and Grouting. , 2017, , .		2
30	Generative Design for Dimensioning of Retaining Walls. Mathematics, 2021, 9, 1918.	1.1	2
31	The Interaction of Civil Engineering Students in Group Work through the Social Network Analysis. Sustainability, 2021, 13, 9847.	1.6	2
32	Metodologãa de toma de decisiones para la selecci3n de subcontratos en la industria de la construcci3n. Obras Y Proyectos, 2018, , 28-40.	0.2	2
33	Cost Deviation Causes in Colombian Construction Projects: A Frequency and Severity Analysis. , 2021, , .		2
34	Benefits of Building Information Modeling in Road Projects for Cost Overrun Factors Mitigation. , 2022, , .		1
35	Diagn3stico del Proceso de Planificaci3n de Cursos que Realizan Profesores de Facultades de Ingeniera en las Universidades Chilenas. Formacion Universitaria, 2016, 9, 119-126.	0.2	0
36	Demonstration of Need of Delegation with Newtonâ€™s Third Law of Action and Reaction. Open Journal of Business and Management, 2016, 04, 251-257.	0.3	0