

Giovanni Ciro Migliaccio

List of Publications by Year in descending order

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47
papers

1,300
citations

471061

17
h-index

433756

31
g-index

49
all docs

49
docs citations

49
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Empirical Comparison of Design/Build and Design/Bid/Build Project Delivery Methods. Journal of Construction Engineering and Management - ASCE, 2009, 135, 579-587.	2.0	200
2	Automated task-level activity analysis through fusion of real time location sensors and worker's thoracic posture data. Automation in Construction, 2013, 29, 24-39.	4.8	145
3	Data Fusion of Real-Time Location Sensing and Physiological Status Monitoring for Ergonomics Analysis of Construction Workers. Journal of Computing in Civil Engineering, 2013, 27, 320-335.	2.5	141
4	Wearable sensors for monitoring on-duty and off-duty worker physiological status and activities in construction. Automation in Construction, 2017, 83, 341-353.	4.8	107
5	Physiological condition monitoring of construction workers. Automation in Construction, 2014, 44, 227-233.	4.8	99
6	An exploratory study of the relationship between construction workforce physical strain and task level productivity. Construction Management and Economics, 2014, 32, 548-564.	1.8	52
7	An evaluation of wearable sensors and their placements for analyzing construction worker's trunk posture in laboratory conditions. Applied Ergonomics, 2017, 65, 424-436.	1.7	48
8	Benchmarking of Large Design-Build Highway Projects. Transportation Research Record, 2007, 1994, 17-25.	1.0	47
9	Training of Low-Literacy and Low-English-Proiciency Hispanic Workers on Construction Fall Fatality. Journal of Management in Engineering - ASCE, 2018, 34, .	2.6	46
10	Exploring the Influence of System Quality, Information Quality, and External Service on BIM User Satisfaction. Journal of Management in Engineering - ASCE, 2017, 33, .	2.6	41
11	Workforce development: understanding task-level job demands-resources, burnout, and performance in unskilled construction workers. Safety Science, 2020, 123, 104577.	2.6	37
12	Study of the Relationship between Procurement Duration and Project Performance in Design-Build Projects: Comparison between Water/Wastewater and Transportation Sectors. Journal of Management in Engineering - ASCE, 2013, 29, 382-391.	2.6	29
13	Procurement of Design-Build Services: Two-Phase Selection for Highway Projects. Journal of Management in Engineering - ASCE, 2009, 25, 29-39.	2.6	27
14	Using Workforce's Physiological Strain Monitoring to Enhance Social Sustainability of Construction. Journal of Architectural Engineering, 2013, 19, 179-185.	0.8	20
15	Effect of Duration of Design-Build Procurement on Performance of Transportation Projects. Transportation Research Record, 2010, 2151, 67-73.	1.0	19
16	Wearable Physiological Status Monitors for Measuring and Evaluating Workers' Physical Strain: Preliminary Validation. , 2011, , .		18
17	Physiological cost of concrete construction activities. Construction Innovation, 2016, 16, 281-306.	1.5	18
18	Actors and barriers to the adoption of LCC and LCA techniques in the built environment. Built Environment Project and Asset Management, 2015, 5, 202-216.	0.9	16

#	ARTICLE	IF	CITATIONS
19	Assessment of Data Quality for Evaluations of Manual Pavement Distress. Transportation Research Record, 2010, 2170, 1-8.	1.0	14
20	Empirical Assessment of Geographically Based Surface Interpolation Methods for Adjusting Construction Cost Estimates by Project Location. Journal of Construction Engineering and Management - ASCE, 2014, 140, .	2.0	14
21	Empirical Assessment of Spatial Prediction Methods for Location Cost-Adjustment Factors. Journal of Construction Engineering and Management - ASCE, 2013, 139, 858-869.	2.0	12
22	Estimating Location-Adjustment Factors for Conceptual Cost Estimating Based on Nighttime Light Satellite Imagery. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	12
23	Temporal Effect of Construction Workforce Physical Strain on Diminishing Marginal Productivity at the Task Level. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	11
24	Automatic Identification of Unsafe Bending Behavior of Construction Workers Using Real-Time Location Sensing and Physiological Status Monitoring. , 2012, , .		10
25	Design Management in Design-Build Megaprojects: SR 99 Bored Tunnel Case Study. Practice Periodical on Structural Design and Construction, 2014, 19, 148-158.	0.7	9
26	Using Wearable Physiological Status Monitors for Analyzing the Physical Strain-Productivity Relationship for Construction Tasks. , 2012, , .		8
27	Conflict detection and resolution algorithms for UAVs collision avoidance. Aeronautical Journal, 2014, 118, 828-842.	1.1	8
28	Disruptive information exchange requirements in construction projects: perception and response patterns. Building Research and Information, 2021, 49, 161-178.	2.0	7
29	Empirical Comparison of Methods for Estimating Location Cost Adjustments Factors. Journal of Management in Engineering - ASCE, 2015, 31, 04014037.	2.6	6
30	Developing 3D Safety Training Materials on Fall Related Hazards for Limited English Proficiency (LEP) and Low Literacy (LL) Construction Workers. , 2012, , .		6
31	Assessing Physical Strain in Construction Workforce: A First Step for Improving Safety and Productivity Management. , 2010, , .		6
32	Key Implementation Issues and Lessons Learned with Design-Build Projects. , 2006, , 1-19.		5
33	Assessment of Methods for Adjusting Construction Cost Estimates by Geographical Location. , 2009, , .		4
34	Field Use of Physiological Status Monitoring (PSM) to Identify Construction Workers' Physiologically Acceptable Bounds and Heart Rate Zones. , 2014, , .		4
35	Demystifying progressive design build: implementation issues and lessons learned through case study analysis. Organization, Technology and Management in Construction, 2020, 12, 2095-2108.	0.5	4
36	Review of Strategies for Enabling Collaboration between Transportation Agencies and Native American Tribes. Transportation Research Record, 2009, 2119, 113-119.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Establishing a Collaborative Environment among Project Stakeholders. , 2010, , .		3
38	Contractual Battles for Higher Ground: Case Examples. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2016, 8, .	0.9	3
39	Delivering Highway Projects through Design-Build: Analysis of the Comprehensive Development Agreement (CDA) Procurement Process in Texas. , 2005, , 1.		1
40	Analysis of Design-Build Procurement Activities Durations for Highway Projects. , 2009, , .		1
41	Remote Construction Worker Location, Activity and Safety Monitoring. , 2011, , .		1
42	Design-Build Procurement Process Model for Delivering Highways in Texas. , 2005, , 1.		0
43	Life-Cycle Cost Analysis for Selection of Energy-Efficient Building Components in Lodging Facilities. , 2006, , 1.		0
44	Envelope and Building Systems: A Tool for Controlling and Managing Smart Buildings. , 2008, , .		0
45	Using the Workforce's Physiological Strain Monitoring to Enhance Social Sustainability of Construction. , 2012, , .		0
46	Quantifying the Impacts of Failures of Departments of Transportation Building Systems on Road System Users. Transportation Research Record, 2014, 2440, 85-93.	1.0	0
47	Publicâ€private partnerships: potentials, prospects, pitfalls and precautions. Built Environment Project and Asset Management, 2019, 9, 170-171.	0.9	0