

# Giovanni Ciro Migliaccio

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Disruptive information exchange requirements in construction projects: perception and response patterns. <i>Building Research and Information</i> , 2021, 49, 161-178.	2.0	7
2	Workforce development: understanding task-level job demands-resources, burnout, and performance in unskilled construction workers. <i>Safety Science</i> , 2020, 123, 104577.	2.6	37
3	Demystifying progressive design build: implementation issues and lessons learned through case study analysis. <i>Organization, Technology and Management in Construction</i> , 2020, 12, 2095-2108.	0.5	4
4	Public-private partnerships: potentials, prospects, pitfalls and precautions. <i>Built Environment Project and Asset Management</i> , 2019, 9, 170-171.	0.9	0
5	Training of Low-Literacy and Low-English-Proficiency Hispanic Workers on Construction Fall Fatality. <i>Journal of Management in Engineering - ASCE</i> , 2018, 34, .	2.6	46
6	Temporal Effect of Construction Workforce Physical Strain on Diminishing Marginal Productivity at the Task Level. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	2.0	11
7	An evaluation of wearable sensors and their placements for analyzing construction worker's trunk posture in laboratory conditions. <i>Applied Ergonomics</i> , 2017, 65, 424-436.	1.7	48
8	Exploring the Influence of System Quality, Information Quality, and External Service on BIM User Satisfaction. <i>Journal of Management in Engineering - ASCE</i> , 2017, 33, .	2.6	41
9	Wearable sensors for monitoring on-duty and off-duty worker physiological status and activities in construction. <i>Automation in Construction</i> , 2017, 83, 341-353.	4.8	107
10	Estimating Location-Adjustment Factors for Conceptual Cost Estimating Based on Nighttime Light Satellite Imagery. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017, 143, .	2.0	12
11	Contractual Battles for Higher Ground: Case Examples. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2016, 8, .	0.9	3
12	Physiological cost of concrete construction activities. <i>Construction Innovation</i> , 2016, 16, 281-306.	1.5	18
13	Actors and barriers to the adoption of LCC and LCA techniques in the built environment. <i>Built Environment Project and Asset Management</i> , 2015, 5, 202-216.	0.9	16
14	Empirical Comparison of Methods for Estimating Location Cost Adjustments Factors. <i>Journal of Management in Engineering - ASCE</i> , 2015, 31, 04014037.	2.6	6
15	Empirical Assessment of Geographically Based Surface Interpolation Methods for Adjusting Construction Cost Estimates by Project Location. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014, 140, .	2.0	14
16	An exploratory study of the relationship between construction workforce physical strain and task level productivity. <i>Construction Management and Economics</i> , 2014, 32, 548-564.	1.8	52
17	Design Management in Design-Build Megaprojects: SR 99 Bored Tunnel Case Study. <i>Practice Periodical on Structural Design and Construction</i> , 2014, 19, 148-158.	0.7	9
18	Physiological condition monitoring of construction workers. <i>Automation in Construction</i> , 2014, 44, 227-233.	4.8	99

#	ARTICLE	IF	CITATIONS
19	Field Use of Physiological Status Monitoring (PSM) to Identify Construction Workers' Physiologically Acceptable Bounds and Heart Rate Zones. , 2014, , .		4
20	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
21	Conflict detection and resolution algorithms for UAVs collision avoidance. Aeronautical Journal, 2014, 118, 828-842.	1.1	8
22	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
23	Using Workforce's Physiological Strain Monitoring to Enhance Social Sustainability of Construction. Journal of Architectural Engineering, 2013, 19, 179-185.	0.8	20
24	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
25	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
26	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
27	Using the Workforce's Physiological Strain Monitoring to Enhance Social Sustainability of Construction. , 2012, , .		0
28	Using Wearable Physiological Status Monitors for Analyzing the Physical Strain-Productivity Relationship for Construction Tasks. , 2012, , .		8
29	Automatic Identification of Unsafe Bending Behavior of Construction Workers Using Real-Time Location Sensing and Physiological Status Monitoring. , 2012, , .		10
30	Developing 3D Safety Training Materials on Fall Related Hazards for Limited English Proficiency (LEP) and Low Literacy (LL) Construction Workers. , 2012, , .		6
31	Wearable Physiological Status Monitors for Measuring and Evaluating Workers' Physical Strain: Preliminary Validation. , 2011, , .		18
32	Remote Construction Worker Location, Activity and Safety Monitoring. , 2011, , .		1
33	Establishing a Collaborative Environment among Project Stakeholders. , 2010, , .		3
34	Assessment of Data Quality for Evaluations of Manual Pavement Distress. Transportation Research Record, 2010, 2170, 1-8.	1.0	14
35	Effect of Duration of Design-Build Procurement on Performance of Transportation Projects. Transportation Research Record, 2010, 2151, 67-73.	1.0	19
36	Assessing Physical Strain in Construction Workforce: A First Step for Improving Safety and Productivity Management. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
37	Assessment of Methods for Adjusting Construction Cost Estimates by Geographical Location. , 2009, , .		4
38	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
39	Procurement of Design-Build Services: Two-Phase Selection for Highway Projects. Journal of Management in Engineering - ASCE, 2009, 25, 29-39.	2.6	27
40	Analysis of Design-Build Procurement Activities Durations for Highway Projects. , 2009, , .		1
41	Review of Strategies for Enabling Collaboration between Transportation Agencies and Native American Tribes. Transportation Research Record, 2009, 2119, 113-119.	1.0	3
42	Envelope and Building Systems: A Tool for Controlling and Managing Smart Buildings. , 2008, , .		0
43	Benchmarking of Large Design-Build Highway Projects. Transportation Research Record, 2007, 1994, 17-25.	1.0	47
44	Life-Cycle Cost Analysis for Selection of Energy-Efficient Building Components in Lodging Facilities. , 2006, , 1.		0
45	Key Implementation Issues and Lessons Learned with Design-Build Projects. , 2006, , 1-19.		5
46	Design-Build Procurement Process Model for Delivering Highways in Texas. , 2005, , 1.		0
47	Delivering Highway Projects through Design-Build: Analysis of the Comprehensive Development Agreement (CDA) Procurement Process in Texas. , 2005, , 1.		1