

# Paul M Goodrum

## List of Publications by Year in descending order

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67  
papers

2,027  
citations

201385

27  
h-index

253896

43  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1047  
citing authors

#	ARTICLE	IF	CITATIONS
1	U.S. Construction Labor Productivity Trends, 1970–1998. Journal of Construction Engineering and Management - ASCE, 2000, 126, 97-104.	2.0	183
2	Construction Craft Workers'™ Perceptions of the Factors Affecting Their Productivity. Journal of Construction Engineering and Management - ASCE, 2009, 135, 217-226.	2.0	147
3	Assessing the impact of materials tracking technologies on construction craft productivity. Automation in Construction, 2009, 18, 903-911.	4.8	110
4	Latent Structures of the Factors Affecting Construction Labor Productivity. Journal of Construction Engineering and Management - ASCE, 2009, 135, 397-406.	2.0	86
5	Activity Analysis for Direct-Work Rate Improvement in Construction. Journal of Construction Engineering and Management - ASCE, 2011, 137, 1117-1124.	2.0	81
6	Partial Factor Productivity and Equipment Technology Change at Activity Level in U.S. Construction Industry. Journal of Construction Engineering and Management - ASCE, 2002, 128, 463-472.	2.0	72
7	Impact of Skilled Labor Availability on Construction Project Cost Performance. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	72
8	Long-Term Impact of Equipment Technology on Labor Productivity in the U.S. Construction Industry at the Activity Level. Journal of Construction Engineering and Management - ASCE, 2004, 130, 124-133.	2.0	69
9	Relationship between Changes in Material Technology and Construction Productivity. Journal of Construction Engineering and Management - ASCE, 2009, 135, 278-287.	2.0	64
10	Change Orders and Lessons Learned: Knowledge from Statistical Analyses of Engineering Change Orders on Kentucky Highway Projects. Journal of Construction Engineering and Management - ASCE, 2012, 138, 1360-1369.	2.0	63
11	U.S. Construction Labor Productivity Trends, 1970–1998. Journal of Construction Engineering and Management - ASCE, 2001, 127, 427-429.	2.0	61
12	Relationship between Automation and Integration of Construction Information Systems and Labor Productivity. Journal of Construction Engineering and Management - ASCE, 2009, 135, 746-753.	2.0	56
13	The divergence in aggregate and activity estimates of US construction productivity. Construction Management and Economics, 2002, 20, 415-423.	1.8	50
14	Model to Predict the Impact of a Technology on Construction Productivity. Journal of Construction Engineering and Management - ASCE, 2011, 137, 678-688.	2.0	50
15	Cognitive Workload Demands Using 2D and 3D Spatial Engineering Information Formats. Journal of Construction Engineering and Management - ASCE, 2014, 140, .	2.0	48
16	Analysis of the impact of craft labour availability on North American construction project productivity and schedule performance. Construction Management and Economics, 2017, 35, 368-380.	1.8	48
17	Analysis of craft workers' and foremen's perceptions of the factors affecting construction labour productivity. Construction Management and Economics, 2007, 25, 1139-1152.	1.8	43
18	An investigation of corporate approaches to sustainability in the US engineering and construction industry. Construction Management and Economics, 2010, 28, 971-983.	1.8	42

#	ARTICLE	IF	CITATIONS
19	Craft Training Issues in American Industrial and Commercial Construction. Journal of Construction Engineering and Management - ASCE, 2008, 134, 795-803.	2.0	40
20	Construction Small-Projects Rework Reduction for Capital Facilities. Journal of Construction Engineering and Management - ASCE, 2012, 138, 1377-1385.	2.0	38
21	An analysis of construction productivity differences between Canada and the United States. Construction Management and Economics, 2014, 32, 595-607.	1.8	38
22	Differences in Occupational Injuries, Illnesses, and Fatalities among Hispanic and Non-Hispanic Construction Workers. Journal of Construction Engineering and Management - ASCE, 2005, 131, 1021-1028.	2.0	33
23	Quantitative analysis of the impact of craft worker availability on construction project safety performance. Construction Innovation, 2016, 16, 307-322.	1.5	32
24	Differences in Perspectives regarding Labor Productivity between Spanish- and English-Speaking Craft Workers. Journal of Construction Engineering and Management - ASCE, 2011, 137, 689-697.	2.0	29
25	Effectiveness of communication of spatial engineering information through 3D CAD and 3D printed models. Visualization in Engineering, 2014, 2, .	8.8	29
26	Method to Assess the Level of Implementation of Productivity Practices on Industrial Projects. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	2.0	29
27	Implementing a multiskilled workforce. Construction Management and Economics, 2001, 19, 633-641.	1.8	28
28	Hispanic and Non-Hispanic Wage Differentials: Implications for United States Construction Industry. Journal of Construction Engineering and Management - ASCE, 2004, 130, 552-559.	2.0	28
29	The impact of management practices on mechanical construction productivity. Construction Management and Economics, 2011, 29, 305-316.	1.8	28
30	Analysis of the benefits and costs of construction craft training in the United States based on expert perceptions and industry data. Construction Management and Economics, 2010, 28, 1269-1285.	1.8	26
31	Statistical Analysis of the Effectiveness of Management Programs in Improving Construction Labor Productivity on Large Industrial Projects. Journal of Management in Engineering - ASCE, 2016, 32, .	2.6	20
32	Civil Integrated Management: Empirical study of digital practices in highway project delivery and asset management. Automation in Construction, 2018, 87, 84-95.	4.8	20
33	Integration of Building Information Modeling and Critical Path Method Schedules to Simulate the Impact of Temperature and Humidity at the Project Level. Buildings, 2014, 4, 295-319.	1.4	19
34	Influence of the Format of Engineering Information and Spatial Cognition on Craft-Worker Performance. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	18
35	The relationship between changes in equipment technology and wages in the US construction industry. Construction Management and Economics, 2004, 22, 291-301.	1.8	16
36	Civil Integrated Management for Highway Infrastructure: Case Studies and Lessons Learned. Transportation Research Record, 2016, 2573, 10-17.	1.0	16

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37	Performance of 3D computers and 3D printed models as a fundamental means for spatial engineering information visualization. Canadian Journal of Civil Engineering, 2014, 41, 869-877.	0.7	15
38	An Integrated Productivity-Practices Implementation Index for Planning the Execution of Infrastructure Projects. Journal of Infrastructure Systems, 2016, 22, 04015022.	1.0	15
39	Analysis of Observed Skill Affinity Patterns and Motivation for Multiskilling among Craft Workers in the U.S. Industrial Construction Sector. Journal of Construction Engineering and Management - ASCE, 2009, 135, 999-1008.	2.0	14
40	Generational differences on craft workers' perceptions of the factors affecting labour productivity1This paper is one of a selection of papers in this Special Issue on Construction Engineering and Management.. Canadian Journal of Civil Engineering, 2012, 39, 1018-1026.	0.7	12
41	Young Talent Motivations to Pursue Craft Careers in Construction: The Theory of Planned Behavior. Journal of Construction Engineering and Management - ASCE, 2020, 146, 04020082.	2.0	12
42	Impact of Utilizing Construction Engineering and Inspection Consultants on Highway Construction Project Cost and Schedule Performance. Transportation Research Record, 2019, 2673, 716-725.	1.0	11
43	Using Parametric Modeling to Estimate Highway Construction Contract Time. Transportation Research Record, 2016, 2573, 1-9.	1.0	10
44	New Metric of Workforce Availability among Construction Occupations and Regions. Practice Periodical on Structural Design and Construction, 2019, 24, .	0.7	10
45	Case Study on the Effect of 690Mpa (100ksi) Steel Reinforcement on Concrete Productivity in Buildings. Journal of Construction Engineering and Management - ASCE, 2013, 139, .	2.0	9
46	Relationships between cycles of economic expansion in construction and craft workers' job satisfaction and preferences. Canadian Journal of Civil Engineering, 2017, 44, 29-36.	0.7	9
47	Effects of Nonnormal Distributions on Highway Construction Acceptance Pay Factor Calculation. Journal of Construction Engineering and Management - ASCE, 2011, 137, 108-118.	2.0	8
48	Effects of Omitted Variable Bias on Construction Real Output and Its Implications on Productivity Trends in the United States. Journal of Construction Engineering and Management - ASCE, 2012, 138, 558-566.	2.0	7
49	Model-based space planning for temporary structures using simulation-based multi-objective programming. Advanced Engineering Informatics, 2017, 33, 164-180.	4.0	7
50	A decision-making method for choosing concrete forming systems. International Journal of Construction Management, 2018, 18, 53-64.	2.2	7
51	Analysis of Focus Group Data Regarding Construction Craft Workers' Perspective of the Factors Affecting Their Productivity. , 2005, , 1.		6
52	Impact of steel quick connection system on steel erection labor productivity: case studies and simulation based analyses. Canadian Journal of Civil Engineering, 2014, 41, 1036-1045.	0.7	5
53	Mapping of Practices of State Transportation Agencies for Consultant Oversight of Construction Engineering and Inspection Services. Transportation Research Record, 2015, 2504, 28-38.	1.0	5
54	Multiobjective Optimization for Scaffolding Space Planning in Industrial Piping Construction Using Model-Based Simulation Programming. Journal of Computing in Civil Engineering, 2020, 34, .	2.5	5

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55	The Impact of Engineering Information Formats on Craft Worker Eye Gaze Patterns. , 2017, , .		4
56	A comparative analysis of the utilization of multiskilling among US Hispanic and non-Hispanic construction craft workers. International Journal of Construction Management, 2022, 22, 331-341.	2.2	4
57	Understanding the Effect of Bid Quantities, Project Characteristics, and Project Locations on the Duration of Road Transportation Construction Projects during Early Stages. Transportation Research Record, 2021, 2675, 121-134.	1.0	4
58	Mapping of State Transportation Agenciesâ€™ Practices and Perceptions in Project Bundling. Transportation Research Record, 2022, 2676, 597-607.	1.0	4
59	Severity of Nonnormality in Pavement Quality Assurance. Transportation Research Record, 2011, 2228, 70-77.	1.0	3
60	Solution to Nonnormality in Quality Assurance and Acceptance Quality Characteristics Data. Transportation Research Record, 2012, 2268, 50-58.	1.0	2
61	Managing Public Communication Strategies in Accelerated Highway Construction Projects. Transportation Research Record, 2018, 2672, 1-10.	1.0	2
62	Comprehensive Analysis on the Adoption of the Multiskilling Strategy among Craft Professionals. , 2022, , .		2
63	Improving Concrete Trade Labor Productivity through the Use of Innovations. , 2012, , .		1
64	Cognitive Demands of Craft Professionals Based on Differing Engineering Information Delivery Formats. , 2014, , .		1
65	Construction Productivity Impacts of Forecasted Global Warming Trends Utilizing an Integrated Information Modeling Approach. , 2015, , .		1
66	U.S. Transportation Agenciesâ€™ Trends of Using Construction Engineering and Inspection Consultants and In-House Staff. Transportation Research Record, 0, , 036119812110416.	1.0	0
67	How pipefitters obtain visual information from construction assembly drawings. Journal of Information Technology in Construction, 2022, 27, 290-311.	1.4	0