

# Gunnar Lucko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5915445/publications.pdf>

Version: 2024-02-01

38  
papers

500  
citations

1039880

9  
h-index

713332

21  
g-index

39  
all docs

39  
docs citations

39  
times ranked

299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Research Validation: Challenges and Opportunities in the Construction Domain. Journal of Construction Engineering and Management - ASCE, 2010, 136, 127-135.	2.0	173
2	Productivity Scheduling Method: Linear Schedule Analysis with Singularity Functions. Journal of Construction Engineering and Management - ASCE, 2009, 135, 246-253.	2.0	55
3	Productivity Scheduling Method Compared to Linear and Repetitive Project Scheduling Methods. Journal of Construction Engineering and Management - ASCE, 2008, 134, 711-720.	2.0	43
4	Challenges and opportunities for productivity improvement studies in linear, repetitive, and location-based scheduling. Construction Management and Economics, 2014, 32, 575-594.	1.8	34
5	Float Types in Linear Schedule Analysis with Singularity Functions. Journal of Construction Engineering and Management - ASCE, 2009, 135, 368-377.	2.0	30
6	Flexible modeling of linear schedules for integrated mathematical analysis. , 2007, , .		18
7	Synthetic cash flow model with singularity functions for unbalanced bidding scenarios. Construction Management and Economics, 2015, 33, 35-54.	1.8	10
8	Synthetic Cash Flow Model with Singularity Functions. I: Theory for Periodic Phenomena and Time Value of Money. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	2.0	10
9	Slip Chartâ€“Inspired Project Schedule Diagramming: Origins, Buffers, and Extension to Linear Schedules. Journal of Construction Engineering and Management - ASCE, 2016, 142, 04015101.	2.0	10
10	Fuzzy Linear and Repetitive Scheduling for Construction Projects. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	10
11	Supporting financial decision-making based on time value of money with singularity functions in cash flow models. Construction Management and Economics, 2013, 31, 238-253.	1.8	9
12	Harnessing the power of simulation in the project management / decision support aspects of the construction industry. , 2008, , .		8
13	Integrated Temporal-Spatial Model for Construction Plans with Boolean Logic Operators. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	8
14	Forecasting Accuracy of In-Progress Activity Duration and Cost Estimates. Journal of Construction Engineering and Management - ASCE, 2020, 146, 04020104.	2.0	8
15	Exposing Uncertainty in Bid Preparation of Steel Construction Cost Estimating: II. Comparative Analysis and Quantitative C-I-V-I-L Classification. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	7
16	Line-of-balance against linear scheduling: critical comparison. Proceedings of Institution of Civil Engineers: Management, Procurement and Law, 2016, 169, 26-44.	0.4	7
17	Construction Engineering Conference and Workshop 2014: Setting an Industryâ€“Academic Collaborative Research Agenda. Journal of Construction Engineering and Management - ASCE, 2016, 142, 04015096.	2.0	7
18	Temporal Constraints in Linear Scheduling with Singularity Functions: Case of Calendarization. Journal of Computing in Civil Engineering, 2014, 28, 232-243.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Productivity scheduling method with maximum constraints. International Journal of Construction Management, 2016, 16, 77-93.	2.2	6
20	Calculating float in linear schedules with singularity functions. , 2008, , .		5
21	Float Types in Construction Spatial Scheduling. Journal of Construction Engineering and Management - ASCE, 2016, 142, 04016077.	2.0	5
22	Best Practices for Case Studies in Construction Engineering and Management Research. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	5
23	Constructability Considerations for Balanced Cantilever Construction. Practice Periodical on Structural Design and Construction, 2003, 8, 47-56.	0.7	4
24	Derivation and assessment of interest in cash flow calculations for time-cost optimizations in construction project management. , 2010, , .		4
25	Reconsidering an Appropriate Probability Distribution Function for Construction Simulations. , 2016, , .		4
26	Rapid deployment of simulation models for building construction applications. , 2009, , .		3
27	Novel use of singularity functions to model periodic phenomena in cash flow analysis. , 2013, , .		3
28	Comparison of manual and automated simulation generation approaches and their use for construction applications. , 2010, , .		2
29	Optimum Present Value Scheduling Based on Synthetic Cash Flow Model with Singularity Functions. Journal of Construction Engineering and Management - ASCE, 2015, 141, 04015036.	2.0	2
30	Forecasting Construction Project Performance with Momentum Using Singularity Functions in LPS. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	2
31	Resource leveling of linear schedules with singularity functions. , 2009, , .		1
32	Machine Learning Framework to Predict Last Planner System Performance Metrics. , 2022, , .		1
33	Temporal perspectives in construction simulation modeling. , 2013, , .		0
34	Financial Planning and Management Practices of Electrical Contractors. Organization, Technology and Management in Construction, 2016, 8, 1482-1498.	0.5	0
35	Slip Chartâ€œInspired Project Schedule Diagramming: Links, Extension to Network Schedules, and Unification. Journal of Construction Engineering and Management - ASCE, 2016, 142, 04016011.	2.0	0
36	Fairly Apportioning Concurrent Delay Liability: A Game Theory Approach. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
37	Global and Local Risk Factors Causing Correlation between Activities in Fuzzy Linear Schedules. , 2022, , .		0
38	Modeling Linear Schedules under Uncertain Scope of Work Conditions with Singularity Functions. , 2021, , .		0