Irem Dikmen

List of Publications by Year
in descending order

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82	3,153	147566	168136
papers	citations	31 h-index	53 g-index

82	82	82	1706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An analytic network process model for risk quantification of mega construction projects. Expert Systems With Applications, 2022, 191, 116215.	4.4	15
2	Empowering Risk Communication: Use of Visualizations to Describe Project Risks. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	1
3	A decision-support tool for risk and complexity assessment and visualization in construction projects. Computers in Industry, 2022, 141, 103694.	5.7	9
4	From Risk Matrices to Risk Networks in Construction Projects. IEEE Transactions on Engineering Management, 2021, 68, 1449-1460.	2.4	43
5	Meta-Modeling of Complexity-Uncertainty-Performance Triad in Construction Projects. EMJ - Engineering Management Journal, 2021, 33, 30-44.	1.4	18
6	Integrated Probabilistic Delay Analysis Method to Estimate Expected Outcome of Construction Delay Disputes. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2021, 13, .	0.9	10
7	Development of a conceptual life cycle performance measurement system for buildâ€“operateâ€“transfer (BOT) projects. Engineering, Construction and Architectural Management, 2021, 28, 1635-1656.	1.8	17
8	Predicting the Occurrence of Construction Disputes Using Machine Learning Techniques. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	32
9	CAUSAL MAPPING TO EXPLORE EMERGENCE OF CONSTRUCTION DISPUTES. Journal of Civil Engineering and Management, 2021, 27, 288-302.	1.9	12
10	A knowledge-based risk management tool for construction projects using case-based reasoning. Expert Systems With Applications, 2021, 173, 114776.	4.4	63
11	Bayesian network based decision support for predicting and mitigating delay risk in TBM tunnel projects. Automation in Construction, 2021, 129, 103819.	4.8	14
12	Development of a knowledge-based tool for waste management of prefabricated steel structure projects. Journal of Cleaner Production, 2021, 323, 129140.	4.6	2
13	Construction cost map of European countries. Engineering Economist, 2020, 65, 135-157.	0.3	4
14	Mapping Uncertainty for Risk and Opportunity Assessment in Projects. EMJ - Engineering Management Journal, 2020, 32, 86-97.	1.4	20
15	Using System Dynamics for Strategic Performance Management in Construction. Journal of Management in Engineering - ASCE, 2020, 36, .	2.6	23
16	A lessons-learned tool for organizational learning in construction. Automation in Construction, 2020, 110, 102977.	4.8	24
17	Exploring the Relationship between Complexity and Risk in Megaconstruction Projects. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	23
18	Prioritization of interdependent uncertainties in projects. International Journal of Managing Projects in Business, 2020, 13, 913-935.	1.3	9

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19	Identification and prioritization of stage-level KPIs for BOT projects â€“ evidence from Turkey. International Journal of Managing Projects in Business, 2020, 13, 1311-1337.	1.3	22
20	Clustering of host countries to facilitate learning between similar international construction markets. Engineering, Construction and Architectural Management, 2019, 27, 66-82.	1.8	2
21	Exploring House Price Dynamics: An Agent-Based Simulation with Behavioral Heterogeneity. Computational Economics, 2019, 54, 783-807.	1.5	2
22	Delay Risk Assessment of Repetitive Construction Projects Using Line-of-Balance Scheduling and Monte Carlo Simulation. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	33
23	NEGOTIATING THE SELLING PRICE OF HYDROPOWER ENERGY USING MULTI-AGENT SYSTEMS IN BOT. Journal of Civil Engineering and Management, 2019, 25, 441-450.	1.9	1
24	A Computerized Method for Delay Risk Assessment Based on Fuzzy Set Theory using MS Projectâ„¢. KSCE Journal of Civil Engineering, 2018, 22, 2714-2725.	0.9	21
25	An ontology-based approach for delay analysis in construction. KSCE Journal of Civil Engineering, 2018, 22, 384-398.	0.9	25
26	Buffer Sizing Model Incorporating Fuzzy Risk Assessment: Case Study on Concrete Gravity Dam and Hydroelectric Power Plant Projects. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2018, 4, .	1.1	7
27	Comparison of an Emerging Seat of Arbitration and Leading Arbitration Seats and Recommendations for Reform. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2018, 10, 04517023.	0.9	0
28	Effects of Risk Attitude and Controllability Assumption on Risk Ratings: Observational Study on International Construction Project Risk Assessment. Journal of Management in Engineering - ASCE, 2018, 34, .	2.6	30
29	ESTIMATING THE PROFITABILITY OF HYDROPOWER INVESTMENTS WITH A CASE STUDY FROM TURKEY. Journal of Civil Engineering and Management, 2017, 23, 1002-1012.	1.9	13
30	Handling project dependencies in portfolio management. Procedia Computer Science, 2017, 121, 356-363.	1.2	12
31	Measuring the impact of lean construction practices on project duration and variability: A simulation-based study on residential buildings. Journal of Civil Engineering and Management, 2016, 23, 241-251.	1.9	39
32	Social network analysis of construction companies operating in international markets: case of Turkish contractors. Journal of Civil Engineering and Management, 2016, 23, 327-337.	1.9	24
33	An expert system for the quantification of fault rates in construction fall accidents. International Journal of Occupational Safety and Ergonomics, 2016, 22, 20-31.	1.1	6
34	A Lessons Learned Database Structure for Construction Companies. Procedia Engineering, 2015, 123, 135-144.	1.2	15
35	Integrated Approach to Overcome Shortcomings in Current Delay Analysis Practices. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	2.0	18
36	Ontology Evaluation: An Example of Delay Analysis. Procedia Engineering, 2014, 85, 61-68.	1.2	13

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37	ALIGNMENT OF PROJECT MANAGEMENT WITH BUSINESS STRATEGY IN CONSTRUCTION: EVIDENCE FROM THE TURKISH CONTRACTORS. Journal of Civil Engineering and Management, 2014, 21, 94-106.	1.9	9
38	Using Expert Opinion for Risk Assessment: A Case Study of a Construction Project Utilizing a Risk Mapping Tool. Procedia, Social and Behavioral Sciences, 2014, 119, 519-528.	0.5	19
39	A knowledge-based risk mapping tool for cost estimation of international construction projects. Automation in Construction, 2014, 43, 144-155.	4.8	88
40	Multiagent System to Simulate Risk-Allocation and Cost-Sharing Processes in Construction Projects. Journal of Computing in Civil Engineering, 2013, 27, 307-319.	2.5	19
41	Investigation of drivers and modes of differentiation in Turkish construction industry. Engineering, Construction and Architectural Management, 2013, 20, 345-364.	1.8	11
42	Web-Based Risk Assessment Tool Using Integrated Durationâ€“Cost Influence Network Model. Journal of Construction Engineering and Management - ASCE, 2012, 138, 1023-1034.	2.0	20
43	Hybrid strategic groups in construction. Engineering Project Organization Journal, 2011, 1, 183-196.	0.6	2
44	Identification of Risk Paths in International Construction Projects Using Structural Equation Modeling. Journal of Construction Engineering and Management - ASCE, 2011, 137, 1164-1175.	2.0	156
45	Ontology for Relating Risk and Vulnerability to Cost Overrun in International Projects. Journal of Computing in Civil Engineering, 2011, 25, 302-315.	2.5	100
46	Toward a Multidimensional Performance Measure for International Joint Ventures in Construction. Journal of Construction Engineering and Management - ASCE, 2011, 137, 403-411.	2.0	44
47	Assessment of risk paths in construction projects. International Journal of Project Organisation and Management, 2011, 3, 316.	0.0	8
48	Preparing Civil Engineers for International Collaboration in Construction Management. Journal of Professional Issues in Engineering Education and Practice, 2011, 137, 141-150.	0.9	18
49	Using analytic network process to assess business failure risks of construction firms. Engineering, Construction and Architectural Management, 2010, 17, 369-386.	1.8	49
50	Impact of Resources and Strategies on Construction Company Performance. Journal of Management in Engineering - ASCE, 2010, 26, 9-18.	2.6	50
51	Performance of International Joint Ventures in Construction. Journal of Management in Engineering - ASCE, 2010, 26, 209-222.	2.6	83
52	Closure to â€œUsing Analytic Network Process to Predict the Performance of International Construction Joint Venturesâ€•by Beliz Ozorhon, Irem Dikmen, and M. Talat Birgonul. Journal of Management in Engineering - ASCE, 2009, 25, 101-103.	2.6	2
53	Impact of corporate strengths/weaknesses on project management competencies. International Journal of Project Management, 2009, 27, 629-637.	2.7	65
54	Comparing the performance of traditional cluster analysis, self-organizing maps and fuzzy C-means method for strategic grouping. Expert Systems With Applications, 2009, 36, 11772-11781.	4.4	109

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55	Strategic Group Analysis in the Construction Industry. Journal of Construction Engineering and Management - ASCE, 2009, 135, 288-297.	2.0	36
56	Risk assessment of international construction projects using the analytic network process. Canadian Journal of Civil Engineering, 2009, 36, 1170-1181.	0.7	76
57	Learning from risks: A tool for post-project risk assessment. Automation in Construction, 2008, 18, 42-50.	4.8	101
58	Improving sub-contractor selection process in construction projects: Web-based sub-contractor evaluation system (WEBSES). Automation in Construction, 2008, 17, 480-488.	4.8	94
59	Implications of Culture in the Performance of International Construction Joint Ventures. Journal of Construction Engineering and Management - ASCE, 2008, 134, 361-370.	2.0	89
60	Effect of Partner Fit in International Construction Joint Ventures. Journal of Management in Engineering - ASCE, 2008, 24, 12-20.	2.6	53
61	Capturing Knowledge in Construction Projects: Knowledge Platform for Contractors. Journal of Management in Engineering - ASCE, 2008, 24, 87-95.	2.6	120
62	The role of organisational culture in construction company alliances. International Journal of Human Resources Development and Management, 2008, 8, 177.	0.0	5
63	The impact of reverse knowledge transfer on competitiveness. , 2008, , 212-228.		0
64	Using Analytic Network Process to Predict the Performance of International Construction Joint Ventures. Journal of Management in Engineering - ASCE, 2007, 23, 156-163.	2.6	45
65	Project appraisal and selection using the analytic network process. Canadian Journal of Civil Engineering, 2007, 34, 786-792.	0.7	24
66	A case-based decision support tool for bid mark-up estimation of international construction projects. Automation in Construction, 2007, 17, 30-44.	4.8	83
67	Using fuzzy risk assessment to rate cost overrun risk in international construction projects. International Journal of Project Management, 2007, 25, 494-505.	2.7	290
68	Effect of host country and project conditions in international construction joint ventures. International Journal of Project Management, 2007, 25, 799-806.	2.7	87
69	An analytic hierarchy process based model for risk and opportunity assessment of international construction projects. Canadian Journal of Civil Engineering, 2006, 33, 58-68.	0.7	73
70	E-bidding proposal preparation system for construction projects. Building and Environment, 2006, 41, 1406-1413.	3.0	41
71	Case-Based Reasoning Model for International Market Selection. Journal of Construction Engineering and Management - ASCE, 2006, 132, 940-948.	2.0	56
72	A review of international construction research: Ranko Bon's contribution. Construction Management and Economics, 2006, 24, 725-733.	1.8	23

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73	Strategic use of quality function deployment (QFD) in the construction industry. Building and Environment, 2005, 40, 245-255.	3.0	134
74	Marketing orientation in construction firms: evidence from Turkish contractors. Building and Environment, 2005, 40, 257-265.	3.0	21
75	Integrated Framework to Investigate Value Innovations. Journal of Management in Engineering - ASCE, 2005, 21, 81-90.	2.6	32
76	Prediction of Organizational Effectiveness in Construction Companies. Journal of Construction Engineering and Management - ASCE, 2005, 131, 252-261.	2.0	61
77	Organizational memory formation and its use in construction. Building Research and Information, 2005, 33, 67-79.	2.0	30
78	Empirical Investigation of Organisational Learning Ability as a Performance Driver in Construction. , 2005, , 166-184.		5
79	Neural Network Model to Support International Market Entry Decisions. Journal of Construction Engineering and Management - ASCE, 2004, 130, 59-66.	2.0	62
80	Strategic Perspective of Turkish Construction Companies. Journal of Management in Engineering - ASCE, 2003, 19, 33-40.	2.6	36
81	Best Value Procurement in Build Operate Transfer Projects: The Turkish Experience. , 0, , 363-378.		1
82	A Construction Delay Analysis Approach Based on Lean Principles. , 0, , .		1