

M Talat Birgonul

List of Publications by Year in descending order

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77
papers

2,969
citations

159358

30
h-index

174990

52
g-index

77
all docs

77
docs citations

77
times ranked

1634
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	Meta-Modeling of Complexity-Uncertainty-Performance Triad in Construction Projects. EMJ - Engineering Management Journal, 2021, 33, 30-44.	1.4	18
5	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
6	Predicting the Occurrence of Construction Disputes Using Machine Learning Techniques. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	32
7	CAUSAL MAPPING TO EXPLORE EMERGENCE OF CONSTRUCTION DISPUTES. Journal of Civil Engineering and Management, 2021, 27, 288-302.	1.9	12
8	Development of a knowledge-based tool for waste management of prefabricated steel structure projects. Journal of Cleaner Production, 2021, 323, 129140.	4.6	2
9	Construction cost map of European countries. Engineering Economist, 2020, 65, 135-157.	0.3	4
10	Mapping Uncertainty for Risk and Opportunity Assessment in Projects. EMJ - Engineering Management Journal, 2020, 32, 86-97.	1.4	20
11	A lessons-learned tool for organizational learning in construction. Automation in Construction, 2020, 110, 102977.	4.8	24
12	Exploring the Relationship between Complexity and Risk in Megaconstruction Projects. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	23
13	Prioritization of interdependent uncertainties in projects. International Journal of Managing Projects in Business, 2020, 13, 913-935.	1.3	9
14	Clustering of host countries to facilitate learning between similar international construction markets. Engineering, Construction and Architectural Management, 2019, 27, 66-82.	1.8	2
15	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
16	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
17	An ontology-based approach for delay analysis in construction. KSCE Journal of Civil Engineering, 2018, 22, 384-398.	0.9	25
18	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

#	ARTICLE	IF	CITATIONS
19	Comparison of an Emerging Seat of Arbitration and Leading Arbitration Seats and Recommendations for Reform. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2018, 10, 04517023.	0.9	0
20	Effects of Risk Attitude and Controllability Assumption on Risk Ratings: Observational Study on International Construction Project Risk Assessment. <i>Journal of Management in Engineering - ASCE</i> , 2018, 34, .	2.6	30
21	ESTIMATING THE PROFITABILITY OF HYDROPOWER INVESTMENTS WITH A CASE STUDY FROM TURKEY. <i>Journal of Civil Engineering and Management</i> , 2017, 23, 1002-1012.	1.9	13
22	Fuzzy Structural Equation Model to Assess Construction Site Safety Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017, 143, .	2.0	41
23	Network analysis algorithm for the solution of discrete time-cost trade-off problem. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 1047-1058.	0.9	34
24	Handling project dependencies in portfolio management. <i>Procedia Computer Science</i> , 2017, 121, 356-363.	1.2	12
25	Social network analysis of construction companies operating in international markets: case of Turkish contractors. <i>Journal of Civil Engineering and Management</i> , 2016, 23, 327-337.	1.9	24
26	Preventing claims in green construction projects through investigating the components of contractual and legal risks. <i>Journal of Cleaner Production</i> , 2016, 139, 1078-1084.	4.6	27
27	A Lessons Learned Database Structure for Construction Companies. <i>Procedia Engineering</i> , 2015, 123, 135-144.	1.2	15
28	Integrated Approach to Overcome Shortcomings in Current Delay Analysis Practices. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015, 141, .	2.0	18
29	Blockage assessment of buildings during emergency using multiple types of sensors. <i>Automation in Construction</i> , 2015, 49, 71-82.	4.8	4
30	Ontology Evaluation: An Example of Delay Analysis. <i>Procedia Engineering</i> , 2014, 85, 61-68.	1.2	13
31	Impact of national culture on knowledge sharing in international construction projects. <i>Canadian Journal of Civil Engineering</i> , 2014, 41, 642-649.	0.7	35
32	ALIGNMENT OF PROJECT MANAGEMENT WITH BUSINESS STRATEGY IN CONSTRUCTION: EVIDENCE FROM THE TURKISH CONTRACTORS. <i>Journal of Civil Engineering and Management</i> , 2014, 21, 94-106.	1.9	9
33	Using Expert Opinion for Risk Assessment: A Case Study of a Construction Project Utilizing a Risk Mapping Tool. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 119, 519-528.	0.5	19
34	A knowledge-based risk mapping tool for cost estimation of international construction projects. <i>Automation in Construction</i> , 2014, 43, 144-155.	4.8	88
35	Multiagent System to Simulate Risk-Allocation and Cost-Sharing Processes in Construction Projects. <i>Journal of Computing in Civil Engineering</i> , 2013, 27, 307-319.	2.5	19
36	Investigation of drivers and modes of differentiation in Turkish construction industry. <i>Engineering, Construction and Architectural Management</i> , 2013, 20, 345-364.	1.8	11

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37	Web-Based Risk Assessment Tool Using Integrated Duration-Cost Influence Network Model. Journal of Construction Engineering and Management - ASCE, 2012, 138, 1023-1034.	2.0	20
38	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
39	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
40	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
41	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
42	Using analytic network process to assess business failure risks of construction firms. Engineering, Construction and Architectural Management, 2010, 17, 369-386.	1.8	49
43	Impact of Resources and Strategies on Construction Company Performance. Journal of Management in Engineering - ASCE, 2010, 26, 9-18.	2.6	50
44	Performance of International Joint Ventures in Construction. Journal of Management in Engineering - ASCE, 2010, 26, 209-222.	2.6	83
45	Closure to "Using Analytic Network Process to Predict the Performance of International Construction Joint Ventures" by Beliz Ozorhon, Irem Dikmen, and M. Talat Birgonul. Journal of Management in Engineering - ASCE, 2009, 25, 101-103.	2.6	2
46	Impact of corporate strengths/weaknesses on project management competencies. International Journal of Project Management, 2009, 27, 629-637.	2.7	65
47	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
48	Strategic Group Analysis in the Construction Industry. Journal of Construction Engineering and Management - ASCE, 2009, 135, 288-297.	2.0	36
49	Risk assessment of international construction projects using the analytic network process. Canadian Journal of Civil Engineering, 2009, 36, 1170-1181.	0.7	76
50	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
51	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
52	Effect of Partner Fit in International Construction Joint Ventures. Journal of Management in Engineering - ASCE, 2008, 24, 12-20.	2.6	53
53	Capturing Knowledge in Construction Projects: Knowledge Platform for Contractors. Journal of Management in Engineering - ASCE, 2008, 24, 87-95.	2.6	120
54	The role of organisational culture in construction company alliances. International Journal of Human Resources Development and Management, 2008, 8, 177.	0.0	5

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55	The impact of reverse knowledge transfer on competitiveness. , 2008, , 212-228.		0
56	Quantitative Methodology for Determination of Cost Contingency in International Projects. Journal of Management in Engineering - ASCE, 2007, 23, 35-39.	2.6	47
57	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
58	Project appraisal and selection using the analytic network process. Canadian Journal of Civil Engineering, 2007, 34, 786-792.	0.7	24
59	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
60	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
61	Effect of host country and project conditions in international construction joint ventures. International Journal of Project Management, 2007, 25, 799-806.	2.7	87
62	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
63	E-bidding proposal preparation system for construction projects. Building and Environment, 2006, 41, 1406-1413.	3.0	41
64	Case-Based Reasoning Model for International Market Selection. Journal of Construction Engineering and Management - ASCE, 2006, 132, 940-948.	2.0	56
65	A review of international construction research: Ranko Bon's contribution. Construction Management and Economics, 2006, 24, 725-733.	1.8	23
66	Cost-based analysis of quality in developing countries: a case study of building projects. Building and Environment, 2005, 40, 1356-1365.	3.0	44
67	The evidence of poor quality in high rise and medium rise housing units: a case study of mass housing projects in Turkey. Building and Environment, 2005, 40, 1548-1556.	3.0	22
68	Integrated Framework to Investigate Value Innovations. Journal of Management in Engineering - ASCE, 2005, 21, 81-90.	2.6	32
69	Determination of Quality Level in Mass Housing Projects in Turkey. Journal of Construction Engineering and Management - ASCE, 2005, 131, 195-202.	2.0	12
70	Prediction of Organizational Effectiveness in Construction Companies. Journal of Construction Engineering and Management - ASCE, 2005, 131, 252-261.	2.0	61
71	Organizational memory formation and its use in construction. Building Research and Information, 2005, 33, 67-79.	2.0	30
72	Empirical Investigation of Organisational Learning Ability as a Performance Driver in Construction. , 2005, , 166-184.		5

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73	Neural Network Model to Support International Market Entry Decisions. Journal of Construction Engineering and Management - ASCE, 2004, 130, 59-66.	2.0	62
74	Strategic Perspective of Turkish Construction Companies. Journal of Management in Engineering - ASCE, 2003, 19, 33-40.	2.6	36
75	A decision support framework for project sponsors in the planning stage of build-operate-transfer (BOT) projects. Construction Management and Economics, 2000, 18, 343-353.	1.8	78
76	Best Value Procurement in Build Operate Transfer Projects: The Turkish Experience. , 0, , 363-378.		1
77	A Construction Delay Analysis Approach Based on Lean Principles. , 0, , .		1