

Baabak Ashuri

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

936

citations

17

h-index

28

g-index

83

ext. papers

1,170

ext. citations

3.9

avg, IF

5.1

L-index

#	Paper	IF	Citations
67	Improving the Management Practices for Right-of-Way Acquisition Process. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2022 , 14, 04521038	1.7	1
66	Forecasting the Construction Expenditure Cash Flow for Transportation Design-Build Projects with a Case-Based Reasoning Model. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021043	4.2	5
65	Forecasting Ratio of Low Bid to Owner's Estimate for Highway Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04020157	4.2	4
64	Proportional Cox Hazards Model to Quantify the Likelihood of Underestimation in Transportation Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021134	4.2	0
63	Option Value of Contingent Finance Support in Transportation Public-Private Partnership Projects. <i>Transportation Research Record</i> , 2020 , 2674, 555-565	1.7	1
62	Predicting the Volatility of Highway Construction Cost Index Using Long Short-Term Memory. <i>Journal of Management in Engineering - ASCE</i> , 2020 , 36, 04020020	5.3	11
61	Embodied Life Cycle Assessment (LCA) comparison of residential building retrofit measures in Atlanta. <i>Building and Environment</i> , 2020 , 171, 106644	6.5	16
60	Analysis of the Variability of Project Cost and Schedule Performance in the Design-Build Environment. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020060	4.2	3
59	Key Challenges to Design Professional Liability in the Design-Build Environment. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020 , 12, 04520031	1.7	2
58	Text Mining of the Securities and Exchange Commission Financial Filings of Publicly Traded Construction Firms Using Deep Learning to Identify and Assess Risk. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020137	4.2	10
57	Application of Dynamic Adaptive Planning and Risk-Adjusted Decision Trees to Capture the Value of Flexibility in Resilience and Transportation Planning. <i>Transportation Research Record</i> , 2020 , 2674, 298-310	1.7	3
56	Key Issues and Differences in Practical Components of Quality Management in Design-Build Highway Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020 , 12, 04519029	1.7	7
55	Application of Natural Language Processing and Text Mining to Identify Patterns in Construction-Defect Litigation Cases. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2019 , 11, 04519024	1.7	24
54	A data envelopment analysis (DEA) model for building energy benchmarking. <i>Journal of Engineering, Design and Technology</i> , 2019 , 17, 747-768	1.5	6
53	Analysis of the Variability of Submitted Unit Price Bids for Asphalt Line Items in Highway Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019020	4.2	8
52	Strategies and Resources for Government Agencies to Utilize Disadvantaged Business Enterprises in Transportation Design-Build Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2019 , 11, 04519022	1.7	2
51	Leveraging Blockchain Technology in AEC Industry during Design Development Phase 2019 ,		7

50	Identifying Patterns in Design-Build Projects in Terms of Project Cost Performance 2019 ,		1
49	Discovering worst fire scenarios in subway stations: A simulation approach. <i>Automation in Construction</i> , 2019 , 99, 183-196	9.6	32
48	BIM log mining: Discovering social networks. <i>Automation in Construction</i> , 2018 , 91, 31-43	9.6	36
47	Automatic fault detection for Building Integrated Photovoltaic (BIPV) systems using time series methods. <i>Built Environment Project and Asset Management</i> , 2018 , 8, 160-170	1.9	1
46	Prediction of Unit Price Bids of Resurfacing Highway Projects through Ensemble Machine Learning. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04018043	5	20
45	Influence of Task Complexity in Shaping Environmental Review and Engineering Design Durations. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 04018043	5.3	6
44	Valuation of energy efficient certificates in buildings. <i>Energy and Buildings</i> , 2018 , 158, 1226-1240	7	29
43	BIM Log Mining: Measuring Design Productivity. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04017071		17
42	Forecasting Construction Cost Index based on visibility graph: A network approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 493, 239-252	3.3	20
41	Profile Monitoring for Examining Impact of Hurricane Katrina and Rita on Highway Construction Cost. <i>Transportation Research Record</i> , 2018 , 2672, 79-87	1.7	2
40	Statistical Modeling of Number of Bidders in Highway Resurfacing and Widening Construction Projects 2018 ,		1
39	Synthesis of Quality Assurance Practices of State DOTs for Highway Construction Projects Using Alternative Delivery 2018 ,		1
38	Embodied life cycle assessment comparison of single family residential houses considering the 1970s transition in construction industry: Atlanta case study. <i>Building and Environment</i> , 2018 , 140, 55-67	6.5	9
37	Neighborhood racial composition, neighborhood wealth, and the surrounding food environment in Fulton County, GA. <i>Applied Geography</i> , 2018 , 97, 119-127	4.4	7
36	Life Cycle Energy and Carbon Analysis of Single Family Residential Buildings: Atlanta Case Study 2018 ,		1
35	Empirical Investigation of Temporal Association between Architecture Billings Index and Construction Spending Using Time-Series Methods. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017080	4.2	10
34	A novel method for forecasting time series based on fuzzy logic and visibility graph. <i>Advances in Data Analysis and Classification</i> , 2017 , 11, 759-783	1.8	81
33	Challenges and Enablers for Private Sector Involvement in Delivery of Highway PublicPrivate Partnerships in the United States. <i>Journal of Management in Engineering - ASCE</i> , 2017 , 33, 04016047	5.3	8

32	Time-Series Analysis for Forecasting Asphalt-Cement Price. <i>Journal of Management in Engineering - ASCE</i> , 2017 , 33, 04016030	5.3	21
31	Predicting ENR Construction Cost Index Using Machine-Learning Algorithms. <i>International Journal of Construction Education and Research</i> , 2017 , 13, 47-63	0.8	16
30	Predicting ENR Construction Cost Index Using the Modified K Nearest Neighbors (KNN) Algorithm 2016 ,		1
29	Recommended Practices for the Cost Control of Highway Project Development 2016 ,		2
28	Highway Construction Cost Forecasting Using Vector Error Correction Models. <i>Journal of Management in Engineering - ASCE</i> , 2016 , 32, 04015040	5.3	38
27	Price Adjustment Clauses and Submitted Bid Prices for Major Asphalt Line Items in Highway Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016 , 142, 04015103	4.2	10
26	Timing residential photovoltaic investments in the presence of demand uncertainties. <i>Sustainable Cities and Society</i> , 2016 , 20, 109-123	10.1	14
25	A Sequential Pattern Mining Approach to Extract Information from BIM Design Log Files 2016 ,		2
24	Recommended Opportunities for the Development of Highway Public-Private Partnership Projects in the United States 2016 ,		1
23	Modeling and Forecasting the Price of Asphalt Cement Using Generalized Auto Regressive Conditional Heteroscedasticity 2016 ,		3
22	State of Private Financing in Development of Highway Projects in the United States. <i>Journal of Management in Engineering - ASCE</i> , 2015 , 31, 04015002	5.3	13
21	Investment Valuation Model for Renewable Energy Systems in Buildings. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 04014074	4.2	15
20	Shuffled Frog-Leaping Model for Solving Time-Cost-Resource Optimization Problems in Construction Project Planning. <i>Journal of Computing in Civil Engineering</i> , 2015 , 29, 04014026	5	23
19	A cost-benefit case for RFID implementation in hospitals: adapting to industry reform. <i>Facilities</i> , 2015 , 33, 367-388	2.2	9
18	Challenges and Opportunities for Expediting Environmental Analysis in Transportation Design-Build Projects 2014 ,		4
17	Empirical Study of Effects of Price Adjustment Clauses (PACs) on Highway Construction Bid 2014 ,		3
16	A Stochastic Process to Model the Fluctuations of Asphalt Cement Price 2014 ,		6
15	Forecasting Engineering News-Record Construction Cost Index Using Multivariate Time Series Models. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 1237-1243	4.2	52

14	Financial Valuation of Investments in International Construction Markets: Real-Options Approach for Market-Entry Decisions. <i>Journal of Management in Engineering - ASCE</i> , 2013 , 29, 355-368	5.3	26
13	Development of Fuzzy Enabled Shuffled Frog Leaping Algorithm with Activity Splitting Allowed in Construction Project Scheduling 2012 ,		1
12	Empirical tests for identifying leading indicators of ENR Construction Cost Index. <i>Construction Management and Economics</i> , 2012 , 30, 917-927	3	35
11	Risk-Neutral Pricing Approach for Evaluating BOT Highway Projects with Government Minimum Revenue Guarantee Options. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012 , 138, 545-557	4.2	106
10	Fuzzy Enabled Hybrid Genetic Algorithm Particle Swarm Optimization Approach to Solve TCRO Problems in Construction Project Planning. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012 , 138, 1065-1074	4.2	30
9	A Real Options Model to Evaluate Investments in Photovoltaic (PV) Systems 2012 ,		2
8	Stochastic Optimization of Construction Projects Planning with Genetic Algorithm 2012 ,		3
7	Is the Information Available from Historical Time Series Data on Economic, Energy, and Construction Market Variables Useful to Explain Variations in ENR Construction Cost Index? 2012 ,		6
6	A real options framework to evaluate investments in toll road projects delivered under the two-phase development strategy. <i>Built Environment Project and Asset Management</i> , 2011 , 1, 14-31	1.9	11
5	Time Series Analysis of ENR Construction Cost Index. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 1227-1237	4.2	73
4	VALUATION OF FLEXIBLE LEASES FOR CORPORATE TENANTS FACING UNCERTAINTY IN THEIR REQUIRED WORK SPACE. <i>International Journal of Strategic Property Management</i> , 2010 , 14, 49-72	1.9	5
3	Forecasting ENR Construction Cost Index: A Time Series Analysis Approach 2010 ,		3
2	A Financial Market Entry Decision Model for International Construction Business Using Real Option Analysis and Monte Carlo Simulation 2010 ,		1
1	A Real-Options Approach to Modeling Investments in Competitive, Dynamic Retail Markets 2008 ,		5