

Islam H El-Adaway

List of Publications by Citations

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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.

105
papers

1,118
citations

19
h-index

25
g-index

138
ext. papers

1,526
ext. citations

3.3
avg, IF

5.74
L-index

#	Paper	IF	Citations
105	Multiagent System for Construction Dispute Resolution (MAS-COR). <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 303-315	4.2	42
104	Using Social Network Analysis to Model the Interaction between Root Causes of Fatalities in the Construction Industry. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 04017045	5.3	41
103	Construction Bidding and the Winner's Curse: Game Theory Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016 , 142, 04015076	4.2	37
102	Sustainable Disaster Recovery Decision-Making Support Tool: Integrating Economic Vulnerability into the Objective Functions of the Associated Stakeholders. <i>Journal of Management in Engineering - ASCE</i> , 2017 , 33, 04016041	5.3	33
101	Enhancing the Knowledge of Construction Business Failure: A Social Network Analysis Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020052	4.2	32
100	Predicting Project Performance in the Construction Industry. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020030	4.2	32
99	Guidelines for Responding to COVID-19 Pandemic: Best Practices, Impacts, and Future Research Directions. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 06021001	5.3	29
98	Managing Construction Projects through Dynamic Modeling: Reviewing the Existing Body of Knowledge and Deriving Future Research Directions. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 04018033	5.3	27
97	Integrating the Social Vulnerability of Host Communities and the Objective Functions of Associated Stakeholders during Disaster Recovery Processes Using Agent-Based Modeling. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017030	5	25
96	Evolutionary Stable Strategy for Postdisaster Insurance: Game Theory Approach. <i>Journal of Management in Engineering - ASCE</i> , 2015 , 31, 04015005	5.3	23
95	Bridge Infrastructure Asset Management System: Comparative Computational Machine Learning Approach for Evaluating and Predicting Deck Deterioration Conditions. <i>Journal of Infrastructure Systems</i> , 2020 , 26, 04020032	2.9	21
94	Contract Administration Guidelines for Public Infrastructure Projects in the United States and Saudi Arabia: Comparative Analysis Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018031	4.2	21
93	Decision-Making Framework for Holistic Sustainable Disaster Recovery: Agent-Based Approach for Decreasing Vulnerabilities of the Associated Communities. <i>Journal of Infrastructure Systems</i> , 2018 , 24, 04018009	2.9	21
92	Construction Risks: Single versus Portfolio Insurance. <i>Journal of Management in Engineering - ASCE</i> , 2010 , 26, 2-8	5.3	20
91	Integrated Project Delivery Case Study: Guidelines for Drafting Partnering Contract. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2010 , 2, 248-254	1.7	20
90	Contractual Perspective for BIM Utilization in US Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020128	4.2	20
89	Administering Employers' Payment Obligations under National and International Design-Build Standard Forms of Contract. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2017 , 9, 04517003	1.7	19

88	Framework for Multiparty Relational Contracting. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2017 , 9, 04517018	1.7	19
87	Sustainable Construction Education Using Problem-Based Learning and Service Learning Pedagogies. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2015 , 141, 05014002	0.7	19
86	Change Order Provisions under National and International Standard Forms of Contract. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2016 , 8, 03716001	1.7	19
85	Social Network Analysis Approach for Improved Transportation Planning. <i>Journal of Infrastructure Systems</i> , 2017 , 23, 05016004	2.9	19
84	Sustainable Disaster Recovery: Multiagent-Based Model for Integrating Environmental Vulnerability into Decision-Making Processes of the Associated Stakeholders. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2017 , 143, 04016022	2.2	19
83	Modular Construction: Determining Decision-Making Factors and Future Research Needs. <i>Journal of Management in Engineering - ASCE</i> , 2020 , 36, 04020085	5.3	19
82	Administering Extension of Time under National and International Standard Forms of Contracts: A Contractor's Perspective. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2016 , 8, 04516001	1.7	18
81	Analytic Overview of Citation Metrics in the Civil Engineering Domain with Focus on Construction Engineering and Management Specialty Area and Its Subdisciplines. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019060	4.2	18
80	Contractors' Claims Insurance: A Risk Retention Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 819-825	4.2	18
79	Studying Payment Provisions under National and International Standard Forms of Contracts. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2017 , 9, 04516011	1.7	16
78	Creating a Holistic Systems Framework for Sustainability Assessment of Civil Infrastructure Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 04014067	4.2	15
77	Construction Bidding Markup Estimation Using a Multistage Decision Theory Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04016079	4.2	14
76	Back-to-Back Relationship under Standard Subcontract Agreements: Comparative Study. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020 , 12, 04520020	1.7	14
75	Utilizing Construction Leading Safety Indicators: Case Study of Tennessee. <i>Journal of Management in Engineering - ASCE</i> , 2017 , 33, 06017002	5.3	13
74	Dispute Review Boards: Expected Application on Egyptian Large-Scale Construction Projects. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2007 , 133, 365-372	0.7	13
73	Simultaneous multi-criteria optimization for scheduling linear infrastructure projects. <i>International Journal of Construction Management</i> , 2021 , 21, 41-55	1.9	13
72	Understanding the Key Risks Affecting Cost and Schedule Performance of Modular Construction Projects. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 04021023	5.3	13
71	Contractual Guidelines for Construction Safety-Related Issues under Design-Build Standard Forms of Contract. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020074	4.2	12

70	Project Benchmarking: Tool for Mitigating Conflicts, Claims, and Disputes through Improved Performance. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2014 , 6, 04513003	1.7	12
69	Promoting the Sustainability of Relational Contracting through Addressing Third Party Insurance Obstacles. <i>Journal of Management in Engineering - ASCE</i> , 2013 , 29, 216-223	5.3	12
68	Contract Administration Guidelines for Managing Conflicts, Claims, and Disputes under World Bank Funded Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2012 , 4, 101-110	1.7	12
67	Causes, Early Warning Signs, and Impacts of Out-of-Sequence Construction: Expert-Based Survey Analysis. <i>Journal of Management in Engineering - ASCE</i> , 2019 , 35, 04019030	5.3	11
66	Guidelines for Administrating and Drafting Nonpayment Owners' Obligation Provisions under Design-Build Contracts. <i>Journal of Management in Engineering - ASCE</i> , 2019 , 35, 04019010	5.3	11
65	Managing Sustainability Assessment of Civil Infrastructure Projects Using Work, Nature, and Flow. <i>Journal of Management in Engineering - ASCE</i> , 2014 , 30, 04014019	5.3	11
64	Arbitral Tribunal Proceedings Case Study: Egyptian Large-Scale Construction Project. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2009 , 1, 147-153	1.7	11
63	Contract Administration Guidelines for U.S. Contractors Working under World Bank Funded Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2012 , 4, 40-50	1.7	11
62	Impact of Dynamic Workforce and Workplace Variables on the Productivity of the Construction Industry: New Gross Construction Productivity Indicator. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 04020092	5.3	10
61	First Attempt Toward a Holistic Understanding of the Interdependent Rippled Impacts Associated with Out-of-Sequence Work in Construction Projects: System Dynamics Modeling Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018084	4.2	10
60	Evaluation and Prediction of the Hazard Potential Level of Dam Infrastructures Using Computational Artificial Intelligence Algorithms. <i>Journal of Management in Engineering - ASCE</i> , 2020 , 36, 04020051	5.3	9
59	Contract Administration Guidelines for Contractors Working under AIA A201-2007 Contract for Construction. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2014 , 6, 03013002	1.7	9
58	Time At Large within the Common Law Legal System: Application to Standard Forms of Contract. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2014 , 6, 04513002	1.7	9
57	Commercial and Legal Considerations of Offsite Construction Projects and their Hybrid Transactions. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 05020019	4.2	9
56	Holistic Study and Analysis of Factors Affecting Collaborative Planning in Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021023	4.2	9
55	Understanding Extension of Time under Different Standard Design-Build Forms of Contract. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020 , 12, 04519031	1.7	9
54	A System Dynamics Model for Construction Safety Behavior. <i>Procedia Computer Science</i> , 2020 , 168, 249-256	2.5	8
53	Ethical Issues in Multiple-Authored and Mentor-Supervised Publications. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2012 , 138, 37-47	0.7	8

52	Capturing the Impact of COVID-19 on Construction Projects in Developing Countries: A Case Study of Iraq. <i>Journal of Management in Engineering - ASCE</i> , 2022 , 38,	5.3	8
51	Comparing the Impact of Learning in Bidding Decision-Making Processes Using Algorithmic Game Theory. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 04020099	5.3	8
50	Contract Risk Management: A Comparative Study of Risk Allocation in Exculpatory Clauses and Their Legal Treatment. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2021 , 13, 04520036	1.7	8
49	Economic Performance Assessment for the Construction Industry in the Southeastern United States. <i>Journal of Management in Engineering - ASCE</i> , 2015 , 31, 05014014	5.3	7
48	Developing a Rating Score for Out-of-Sequence Construction. <i>Journal of Management in Engineering - ASCE</i> , 2020 , 36, 04020013	5.3	7
47	Contract Administration Guidelines for Effectively and Efficiently Applying Different Delay Analysis Techniques under World Bank Funded Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2013 , 5, 35-44	1.7	6
46	Civil Law Context for Understanding Employer's Payment Obligations under Common Law FIDIC. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2019 , 11, 06518006	1.7	6
45	Automated Identification of Substantial Changes in Construction Projects of Airport Improvement Program: Machine Learning and Natural Language Processing Comparative Analysis. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 04021062	5.3	6
44	Using the Simplified Acquisition of Base Engineer Requirements in Construction Projects: Contract Administration Guidelines. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020 , 12, 04520018	1.7	5
43	Contractual Guidelines for Management of Infrastructure Transportation Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2020 , 12, 04520023	1.7	5
42	Comprehensive Analysis of Factors Associated with Out-of-Sequence Construction. <i>Journal of Management in Engineering - ASCE</i> , 2020 , 36, 04020031	5.3	5
41	A System-of-Systems Model to Simulate the Complex Emergent Behavior of Vehicle Traffic on an Urban Transportation Infrastructure Network. <i>Procedia Computer Science</i> , 2020 , 168, 139-146	1.6	5
40	Preliminary Attempt toward Better Understanding the Impact of Distributed Energy Generation: An Agent-Based Computational Economics Approach. <i>Journal of Infrastructure Systems</i> , 2020 , 26, 04020002	2.9	5
39	Identifying the most critical transportation intersections using social network analysis. <i>Transportation Planning and Technology</i> , 2018 , 41, 353-374	1.6	5
38	Insurance Pricing for Windstorm-Susceptible Developments: Bootstrapping Approach. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 96-103	5.3	5
37	Evaluating Deterioration of Tunnels Using Computational Machine Learning Algorithms. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021125	4.2	5
36	An Agent-based Model to Study Competitive Construction Bidding and the Winner's Curse. <i>Procedia Computer Science</i> , 2020 , 168, 147-153	1.6	4
35	A Systems Approach for Sustainability Assessment of Civil Infrastructure Projects 2014 ,		4

34	Contracting in a Global World: Application of the Time at Large Principle. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2015 , 7, 04515001	1.7	4
33	Can an Integrated Problem-Based Learning Framework Improve Natural Hazard Management?. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2012 , 138, 10-13	0.7	4
32	Studying the Relationship between Stock Prices of Publicly Traded US Construction Companies and Gross Domestic Product: Preliminary Step toward Construction Economy Nexus. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04019087	4.2	4
31	Determining Critical Combinations of Safety Fatality Causes Using Spectral Clustering and Computational Data Mining Algorithms. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021035	4.2	4
30	Analyzing Termination for Convenience Provisions under Common Law FIDIC Using a Civil Law Perspective. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2018 , 10, 06518003	1.7	3
29	Relationship between Electric-Power Sector Development and Socioeconomic Parameters: Statistical Analysis Approach. <i>Journal of Energy Engineering - ASCE</i> , 2020 , 146, 04020045	1.7	3
28	Joint Venture Agreements for Construction and Professional Services: Comparative Contractual Analysis and Guidelines. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37,	5.3	3
27	A Network-Based Methodology for Quantitative Knowledge Gap Identification in Construction Simulation and Modeling Research 2019 ,		3
26	A Relational Contractual Framework for Promoting Collaborative Project Environments 2018 ,		3
25	Contractual Guidelines for Promoting Integrated Project Delivery. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 05021008	4.2	3
24	Quantitative Analysis of the Impacts of Out-of-Sequence Work on Project Performance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020090	4.2	2
23	Biddability, Constructability, Operability, and Environmental Checklist: Potential Role in Reducing Conflicts, Claims, and Disputes. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2014 , 6, 05013001	1.7	2
22	Managing the LEED Analysis for the New Civil and Environmental Engineering Complex at Mississippi State University. <i>Journal of Management in Engineering - ASCE</i> , 2014 , 30, 05014002	5.3	2
21	Toward a More Sustainable Rating for the Built Environment: A Comprehensive Construction Assessment Framework 2012 ,		2
20	Guidelines for a Standard Project Partnering Contract 2010 ,		2
19	Brick Masonry and Sustainable Construction 2012 ,		2
18	Applying Delay Analysis Techniques to the World Bank Funded Projects 2012 ,		2
17	Financial Model for Insuring against Catastrophic Storm Risks 2009 ,		2

16	Understanding Disputes in Modular Construction Projects: Key Common Causes and Their Associations. <i>Journal of Construction Engineering and Management - ASCE</i> , 2022 , 148,	4.2	2
15	Forecasting and Modeling Bridge Deterioration Using Data Mining Analytics 2020 ,		2
14	Collaborative Planning Index: A Novel Comprehensive Benchmark for Collaboration in Construction Projects. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 04021057	5.3	2
13	Risk-Based Approach to Predict the Cost Performance of Modularization in Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021133	4.2	2
12	Contractual Implications of Environmental Compliance Requirements in Construction Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2019 , 11, 05019002	1.7	1
11	U.S Economic Indicators and Stock Prices of Construction Equipment Manufacturers: A Statistical Relationship Analysis 2014 ,		1
10	Application of the Time "At Large" Principle to Standard Forms of Contract 2014 ,		1
9	Managing construction projects impacted by the COVID-19 pandemic: a contractual perspective. <i>Construction Management and Economics</i> ,1-18	3	1
8	Discussion of Multiobjective Optimization of Postdisaster Reconstruction Processes for Ensuring Long-Term Socioeconomic Benefits by Pedram Ghannad, Yong-Cheol Lee, Carol J. Friedland, Jin Ouk Choi, and Eunhwa Yang. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 07021001	5.3	1
7	Understanding the Construction Winner's Curse Using Game Theory 2016 ,		1
6	Multi-Objective Simultaneous Optimization for Linear Projects Scheduling 2019 ,		1
5	Contractual Guidelines for Substantial Completion under National Design-Build Standard Forms of Contract. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2021 , 13, 04520043	1.7	1
4	Contractual Considerations for Complying with Environmental Requirements: Lessons Learned Using a Case Study Approach 2018 ,		1
3	Blockchain technology in the construction industry: mapping current research trends using social network analysis and clustering. <i>Construction Management and Economics</i> , 2022 , 40, 406-427	3	1
2	Allocation of Risks and Responsibilities in Green and Sustainable Buildings. <i>Journal of Architectural Engineering</i> , 2021 , 27, 04021002	1.5	0
1	Fatalities among Civil Infrastructure Workers: Variable Annuity with Guaranteed Minimum Death Benefits Approach. <i>Journal of Management in Engineering - ASCE</i> , 2013 , 29, 35-41	5.3	