

# Behzad Esmaeili

## 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.

53  
papers

807  
citations

17  
h-index

27  
g-index

70  
ext. papers

1,116  
ext. citations

3.6  
avg, IF

5.06  
L-index

#	Paper	IF	Citations
53	Countermeasures to Reduce Truck-Mounted Attenuator (TMA) Crashes: A State-of-the-Art Review. <i>Future Transportation</i> , <b>2022</b> , 2, 425-452		1
52	Impact of Climate Change on Transportation Infrastructure: Comparing Perception Differences between the US Public and the Department of Transportation (DOT) Professionals. <i>Sustainability</i> , <b>2021</b> , 13, 11927	3.6	1
51	Examining the Relationship between Mindfulness, Personality, and National Culture for Construction Safety. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	4
50	Impact of Change Blindness on Worker Hazard Identification at Jobsites. <i>Journal of Management in Engineering - ASCE</i> , <b>2021</b> , 37, 04021021	5.3	3
49	Evaluating OSHA's fatality and catastrophe investigation summaries: Arc flash focus. <i>Safety Science</i> , <b>2021</b> , 140, 105287	5.8	2
48	Stipends in Highway Design-Build Projects. <i>Journal of Management in Engineering - ASCE</i> , <b>2020</b> , 36, 04020046		
47	Cost of Occupational Incidents for Electrical Contractors: Comparison Using Robust-Factorial Analysis of Variance. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2020</b> , 146, 04020073	4.2	3
46	Erratum for Current Practices of Winter Maintenance Operations and Perceptions of Winter Weather Conditions by Bac Dao, Sogand Hasanzadeh, Curtis Louis Walker, Dylan Steinkruger, Behzad Esmaeili, and Mark R. Anderson. <i>Journal of Cold Regions Engineering - ASCE</i> , <b>2020</b> , 34, 08219001	1.1	
45	Exploring the Relationship between Mindfulness and Personality to Improve Construction Safety and Work Performance <b>2020</b> ,		1
44	The Role of Work Experience on Hazard Identification: Assessing the Mediating Effect of Inattention under Fall-Hazard Conditions <b>2020</b> ,		1
43	Desktop-based safety training using 360-degree panorama and static virtual reality techniques: A comparative experimental study. <i>Automation in Construction</i> , <b>2020</b> , 109, 102969	9.6	26
42	Developing a Multi-variate Logistic Regression Model to Analyze Accident Scenarios: Case of Electrical Contractors. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	6
41	Current Practices of Winter Maintenance Operations and Perceptions of Winter Weather Conditions. <i>Journal of Cold Regions Engineering - ASCE</i> , <b>2019</b> , 33, 04019008	1.1	6
40	Hazard Identification Training Using 360-Degree Panorama vs. Virtual Reality Techniques: A Pilot Study <b>2019</b> ,		6
39	Applications and requirements of unmanned aerial systems (UASs) for construction safety. <i>Safety Science</i> , <b>2019</b> , 118, 230-240	5.8	52
38	Role of Personality in Construction Safety: Investigating the Relationships between Personality, Attentional Failure, and Hazard Identification under Fall-Hazard Conditions. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2019</b> , 145, 04019052	4.2	27
37	Developing a Department of Transportation Winter Severity Index. <i>Journal of Applied Meteorology and Climatology</i> , <b>2019</b> , 58, 1779-1798	2.7	5

36	Application of Unsupervised Machine Learning to Increase Safety and Mobility on Roadways after Snowstorms <b>2019</b> ,		1
35	Developing a winter severity index: A critical review. <i>Cold Regions Science and Technology</i> , <b>2019</b> , 160, 139-149	3.8	7
34	Development and Usability Testing of a Panoramic Augmented Reality Environment for Fall Hazard Safety Training <b>2019</b> , 271-279		8
33	Evaluating the Performance of Machine Learning Algorithms on Construction Accidents: An Application of ROC Curves <b>2018</b> ,		2
32	Using Unmanned Aerial Systems for Automated Fall Hazard Monitoring <b>2018</b> ,		15
31	Examining the Relationship between Personality Characteristics and Worker's Attention under Fall and Tripping Hazard Conditions <b>2018</b> ,		4
30	The Association between Risk Perception and the Risk-Taking Behaviors of Construction Workers <b>2018</b> ,		1
29	Impact of Owners' Early Decisions on Project Performance and Dispute Occurrence in Public Highway Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , <b>2018</b> , 10, 04518004	1.7	18
28	Using Panoramic Augmented Reality to Develop a Virtual Safety Training Environment <b>2018</b> ,		9
27	Claims and Project Performance between Traditional and Alternative Project Delivery Methods. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , <b>2018</b> , 10, 04518017	1.7	20
26	Diffusion of Building Information Modeling Functions in the Construction Industry. <i>Journal of Management in Engineering - ASCE</i> , <b>2018</b> , 34, 04017060	5.3	47
25	PARS: Using Augmented 360-Degree Panoramas of Reality for Construction Safety Training. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	50
24	Examining the Relationship between Construction Workers' Visual Attention and Situation Awareness under Fall and Tripping Hazard Conditions: Using Mobile Eye Tracking. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2018</b> , 144, 04018060	4.2	57
23	Measuring the Impacts of Safety Knowledge on Construction Workers' Attentional Allocation and Hazard Detection Using Remote Eye-Tracking Technology. <i>Journal of Management in Engineering - ASCE</i> , <b>2017</b> , 33, 04017024	5.3	57
22	Measuring the Impact of Working Memory Load on the Safety Performance of Construction Workers <b>2017</b> ,		10
21	Impact of Construction Workers' Hazard Identification Skills on Their Visual Attention. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04017070	4.2	45
20	Inclusion of an Introduction to Infrastructure Course in a Civil and Environmental Engineering Curriculum. <i>Journal of Professional Issues in Engineering Education and Practice</i> , <b>2017</b> , 143, 04016020	0.7	0
19	USING EYE MOVEMENTS TO IDENTIFY HAZARDS MISSED BY AT-RISK WORKERS. <i>Proceedings of International Structural Engineering and Construction</i> , <b>2017</b> , 4,	1.4	3

18	Unmanned Aerial Systems (UAS) for Construction Safety Applications <b>2016</b> ,		20
17	The Impact of the Legalization of Recreational Marijuana on Construction Safety <b>2016</b> ,		3
16	Exploration of Team Integration in Spanish Multifamily Residential Building Construction. <i>Journal of Management in Engineering - ASCE</i> , <b>2016</b> , 32, 05016012	5.3	13
15	Impacts of Levels of Trust on Dispute Occurrences in Highway Projects <b>2016</b> ,		4
14	How service learning can be offered as capstone <b>2016</b> ,		1
13	Measuring Construction Workers' Real-Time Situation Awareness Using Mobile Eye-Tracking <b>2016</b> ,		21
12	The Relationship between Construction Workers' Risk Perception and Eye Movement in Hazard Identification <b>2016</b> ,		10
11	Attribute-Based Safety Risk Assessment. I: Analysis at the Fundamental Level. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2015</b> , 141, 04015021	4.2	34
10	Attribute-Based Safety Risk Assessment. II: Predicting Safety Outcomes Using Generalized Linear Models. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2015</b> , 141, 04015022	4.2	41
9	Electrical Contractors' Safety Risk Management: An Attribute-Based Analysis <b>2015</b> ,		1
8	State-of-the-Art Review of Virtual Reality Environment Applications in Construction Safety <b>2015</b> ,		12
7	Exploring the Role of the Team Environment in Building Project Performance <b>2014</b> ,		1
6	Integration of safety risk data with highway construction schedules. <i>Construction Management and Economics</i> , <b>2013</b> , 31, 528-541	3	25
5	Diffusion of Safety Innovations in the Construction Industry. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2012</b> , 138, 955-963	4.2	65
4	Attribute-Based Risk Model for Measuring Safety Risk of Struck-By Accidents <b>2012</b> ,		13
3	Safety risk interactions among highway construction work tasks. <i>Construction Management and Economics</i> , <b>2011</b> , 29, 417-429	3	40
2	Influence of best value procurement on design-build projects: a grounded theory study. <i>International Journal of Construction Education and Research</i> , 1-23	0.8	1
1	Progressive Design-build Delivery Method: Assessment of Project Performance. <i>International Journal of Construction Education and Research</i> , 1-20	0.8	1

