

# Hani Nassif

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4043393/publications.pdf>

Version: 2024-02-01

40  
papers

573  
citations

840585

11  
h-index

642610

23  
g-index

40  
all docs

40  
docs citations

40  
times ranked

444  
citing authors

#	ARTICLE	IF	CITATIONS
1	New perspectives on recycling waste glass in manufacturing concrete for sustainable civil infrastructure. <i>Construction and Building Materials</i> , 2020, 257, 119579.	3.2	113
2	Measurement and visualization of strains and cracks in CFRP post-tensioned fiber reinforced concrete beams using distributed fiber optic sensors. <i>Automation in Construction</i> , 2021, 124, 103604.	4.8	73
3	A State-of-the-Art Approach for Deriving Bridge Displacement from Acceleration. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2008, 23, 281-290.	6.3	64
4	Strain transfer effect in distributed fiber optic sensors under an arbitrary field. <i>Automation in Construction</i> , 2021, 124, 103597.	4.8	58
5	Effect of Truck Loads on Bridges. <i>Journal of Transportation Engineering</i> , 1993, 119, 853-867.	0.9	47
6	Effect of Overweight Trucks on Bridge Deck Deterioration Based on Weigh-in-Motion Data. <i>Transportation Research Record</i> , 2016, 2592, 86-97.	1.0	16
7	Effect of Curing Methods on Early-Age and Drying Shrinkage of High-Performance Concrete. <i>Transportation Research Record</i> , 2003, 1834, 48-58.	1.0	15
8	Optimization of Design Details in Orthotropic Steel Decks Subjected to Static and Fatigue Loads. <i>Transportation Research Record</i> , 2013, 2331, 14-23.	1.0	13
9	Improving the conversion accuracy between bridge element conditions and NBI ratings using deep convolutional neural networks. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 1669-1682.	2.0	13
10	A kernel-modulated SIR model for Covid-19 contagious spread from county to continent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	13
11	Use of Fiber-Reinforced Self-Consolidating Concrete to Enhance Serviceability Performance of Damaged Beams. <i>Transportation Research Record</i> , 2018, 2672, 45-55.	1.0	12
12	Evaluation of Laminated Circular Elastomeric Bearings. <i>Journal of Bridge Engineering</i> , 2007, 12, 89-97.	1.4	11
13	Verification of shear live-load distribution factor equations for I-girder bridges. <i>KSCE Journal of Civil Engineering</i> , 2013, 17, 550-555.	0.9	11
14	Population agglomeration is a harbinger of the spatial complexity of COVID-19. <i>Chemical Engineering Journal</i> , 2021, 420, 127702.	6.6	11
15	Effect of Curing Methods on Durability of High-Performance Concrete. <i>Transportation Research Record</i> , 2002, 1798, 31-38.	1.0	9
16	Impact of Overweight Trucks on the Service Life of Bridge Girders. <i>Transportation Research Record</i> , 2017, 2642, 103-117.	1.0	9
17	Finite element analysis of bridge approach slabs considering soil-structure interaction. <i>Bridge Structures</i> , 2005, 1, 245-256.	0.2	8
18	Effect of Substructure Stiffness on Performance of Steel Integral Abutment Bridges under Thermal Loads. <i>Transportation Research Record</i> , 2012, 2313, 22-32.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Truck Platooning to Minimize Load-Induced Fatigue in Steel Girder Bridges. Transportation Research Record, 2021, 2675, 146-154.	1.0	7
20	An Algorithm for Estimating Bridge Deflection from Accelerometer Measurements. , 2006, , .		6
21	Analytic Hierarchy Process to Improve Simple Bridge Security Checklist. Transportation Research Record, 2012, 2313, 201-207.	1.0	6
22	Impact of Heavy Freight Railcar on the Remaining Fatigue Life of Centenarian Railway Bridges. Journal of Bridge Engineering, 2017, 22, 04017097.	1.4	6
23	Development of a Risk Assessment Module for Bridge Management Systems in New Jersey. Transportation Research Record, 2020, 2674, 324-337.	1.0	6
24	GIS-based approach for evaluating a community intrinsic resilience index. Natural Hazards, 2022, 111, 1271-1299.	1.6	6
25	Vibration versus Deflection Control for Bridges with High-Performance Steel Girders. Transportation Research Record, 2011, 2251, 24-33.	1.0	5
26	Field Monitoring of Rebar Debonding in Concrete Bridge Decks under Traffic-Induced Vibrations. Transportation Research Record, 2014, 2407, 32-43.	1.0	4
27	Stochastic Multi-Objective Optimization-Based Life Cycle Cost Analysis for New Construction Materials and Technologies. Transportation Research Record, 2019, 2673, 466-479.	1.0	4
28	Application of Machine Learning Techniques for the Analysis of National Bridge Inventory and Bridge Element Data. Transportation Research Record, 2019, 2673, 99-110.	1.0	4
29	Simple Approach to Calculate Displacements and Rotations in Integral Abutment Bridges. Transportation Research Record, 2015, 2522, 39-46.	1.0	3
30	Mapping of truck traffic in New Jersey using weigh-in-motion data. IET Intelligent Transport Systems, 2018, 12, 1053-1061.	1.7	3
31	ANISOTROPIC MULTIFRACTAL SCALING OF MOUNT LEBANON TOPOGRAPHY: APPROXIMATE CONDITIONING. Fractals, 2021, 29, 2150112.	1.8	3
32	Reliability Assessment of Steel Bridges for Specialized Hauling Vehicles. Transportation Research Record, 2019, 2673, 391-403.	1.0	2
33	Impact of NCHRP Project 12-49 provisions on the seismic design of bridges on very soft soils in New Jersey. Bridge Structures, 2005, 1, 29-42.	0.2	1
34	Modeling Salt Usage During Snowstorms. Transportation Research Record, 2017, 2643, 54-64.	1.0	1
35	Development of Live Load Model for Strength II Limit State in AASHTO LRFD Design Specifications. Transportation Research Record, 2018, 2672, 11-23.	1.0	1
36	Analysis of Overweight Truck Permit Policy in New Jersey. Transportation Research Record, 0, , 036119812110266.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Impact of Specialized Hauling Vehicles and Emergency Vehicles on Bridge Load Rating. Transportation Research Record, 0, , 036119812110145.	1.0	1
38	Review and assessment of the New Jersey freight assistance program. Research in Transportation Economics, 2019, 77, 100742.	2.2	0
39	Assessment of Provisions for Load Rating Gusset Plates in Steel Truss Bridges. Transportation Research Record, 2021, 2675, 663-675.	1.0	0
40	Reliability-Based Assessment of Concrete Decks Designed Using Approximate Method at the Strength I Limit State. Transportation Research Record, 0, , 036119812210909.	1.0	0