Sattar Dorafshan

List of Publications by Year in Descending Order

16 papers	557 citations	10 h-index	17 g-index
17 ext. papers	804 ext. citations	3.5 avg, IF	4.92 L-index

#	Paper	IF	Citations
16	Bridge Inspection and Defect Recognition with Using Impact Echo Data, Probability, and Naive Bayes Classifiers. *Infrastructures*, **2021**, 6, 132	2.6	0
15	Evaluation of bridge decks with overlays using impact echo, a deep learning approach. *Automation in Construction*, **2020**, 113, 103133	9.6	23
14	Deep learning models for bridge deck evaluation using impact echo. *Construction and Building Materials*, **2020**, 263, 120109	6.7	23
13	Benchmarking Image Processing Algorithms for Unmanned Aerial System-Assisted Crack Detection in Concrete Structures. *Infrastructures*, **2019**, 4, 19	2.6	24
12	A Practitioner Guide to Small Unmanned Aerial Systems for Bridge Inspection. *Infrastructures*, **2019**, 4, 72	2.6	4
11	Dynamic Effects Caused by SPMT Bridge Moves. *Journal of Bridge Engineering*, **2019**, 24, 04019002	2.7	4
10	Fatigue Crack Detection Using Unmanned Aerial Systems in Fracture Critical Inspection of Steel Bridges. *Journal of Bridge Engineering*, **2018**, 23, 04018078	2.7	37
9	Comparison of deep convolutional neural networks and edge detectors for image-based crack detection in concrete. *Construction and Building Materials*, **2018**, 186, 1031-1045	6.7	240
8	SDNET2018: An annotated image dataset for non-contact concrete crack detection using deep convolutional neural networks. *Data in Brief*, **2018**, 21, 1664-1668	1.2	81
7	Infrared Thermography for Weld Inspection: Feasibility and Application. *Infrastructures*, **2018**, 3, 45	2.6	9
6	Deep Learning Neural Networks for sUAS-Assisted Structural Inspections: Feasibility and Application **2018**,		17
5	Bridge inspection: human performance, unmanned aerial systems and automation. *Journal of Civil Structural Health Monitoring*, **2018**, 8, 443-476	2.9	65
4	Thermal Evaluation of Common Locations of Heat Loss in Sandwich Wall Panels **2017**,		3
3	Challenges in bridge inspection using small unmanned aerial systems: Results and lessons learned **2017**,		14
2	A method for rapid estimation of dynamic coupling and spectral responses of connected adjacent structures. *Structural Design of Tall and Special Buildings*, **2016**, 25, 605-625	1.8	10
1	Benchmarking Unmanned Aerial Systems-Assisted Inspection of Steel Bridges for Fatigue Cracks. *Transportation Research Record*,036119812110010	1.7	2