

# Sattar Dorafshan

## 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.

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