

# Sattar Dorafshan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6371106/publications.pdf>

Version: 2024-02-01

17  
papers

1,046  
citations

1039406

9  
h-index

1199166

12  
g-index

17  
all docs

17  
docs citations

17  
times ranked

804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of deep convolutional neural networks and edge detectors for image-based crack detection in concrete. <i>Construction and Building Materials</i> , 2018, 186, 1031-1045.	3.2	444
2	SDNET2018: An annotated image dataset for non-contact concrete crack detection using deep convolutional neural networks. <i>Data in Brief</i> , 2018, 21, 1664-1668.	0.5	163
3	Bridge inspection: human performance, unmanned aerial systems and automation. <i>Journal of Civil Structural Health Monitoring</i> , 2018, 8, 443-476.	2.0	104
4	Fatigue Crack Detection Using Unmanned Aerial Systems in Fracture Critical Inspection of Steel Bridges. <i>Journal of Bridge Engineering</i> , 2018, 23, .	1.4	58
5	Deep learning models for bridge deck evaluation using impact echo. <i>Construction and Building Materials</i> , 2020, 263, 120109.	3.2	55
6	Evaluation of bridge decks with overlays using impact echo, a deep learning approach. <i>Automation in Construction</i> , 2020, 113, 103133.	4.8	50
7	Benchmarking Image Processing Algorithms for Unmanned Aerial System-Assisted Crack Detection in Concrete Structures. <i>Infrastructures</i> , 2019, 4, 19.	1.4	41
8	Deep Learning Neural Networks for sUAS-Assisted Structural Inspections: Feasibility and Application. , 2018, , .		33
9	Challenges in bridge inspection using small unmanned aerial systems: Results and lessons learned. , 2017, , .		30
10	A method for rapid estimation of dynamic coupling and spectral responses of connected adjacent structures. <i>Structural Design of Tall and Special Buildings</i> , 2016, 25, 605-625.	0.9	17
11	Infrared Thermography for Weld Inspection: Feasibility and Application. <i>Infrastructures</i> , 2018, 3, 45.	1.4	12
12	A Practitionerâ€™s Guide to Small Unmanned Aerial Systems for Bridge Inspection. <i>Infrastructures</i> , 2019, 4, 72.	1.4	9
13	Benchmarking Unmanned Aerial Systems-Assisted Inspection of Steel Bridges for Fatigue Cracks. <i>Transportation Research Record</i> , 0, , 036119812110010.	1.0	8
14	Bridge Inspection and Defect Recognition with Using Impact Echo Data, Probability, and Naive Bayes Classifiers. <i>Infrastructures</i> , 2021, 6, 132.	1.4	8
15	Thermal Evaluation of Common Locations of Heat Loss in Sandwich Wall Panels. , 2017, , .		5
16	Dynamic Effects Caused by SPMT Bridge Moves. <i>Journal of Bridge Engineering</i> , 2019, 24, .	1.4	5
17	A UAV Payload for Real-time Inspection of Highway Ancillary Structures. , 2022, , .		4