Yasutaka Narazaki

List of Publications by Year
in descending order

20	917	932766 10	940134 16
papers	citations	h-index	g-index

22	22	22	596
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Digital Twins as Testbeds for Vision-Based Post-earthquake Inspections of Buildings. Lecture Notes in Civil Engineering, 2023, , 485-495.	0.3	1
2	Physics-Based Graphics Models in 3D Synthetic Environments as Autonomous Vision-Based Inspection Testbeds. Sensors, 2022, 22, 532.	2.1	27
3	Bayesian inference of dense structural response using vision-based measurements. Engineering Structures, 2022, 256, 113970.	2.6	10
4	Vision-based navigation planning for autonomous post-earthquake inspection of reinforced concrete railway viaducts using unmanned aerial vehicles. Automation in Construction, 2022, 137, 104214.	4.8	21
5	Framework for long-term structural health monitoring by computer vision and vibration-based model updating. Case Studies in Construction Materials, 2022, 16, e01020.	0.8	4
6	Rapid postearthquake safety evaluation of buildings using sparse acceleration measurements. Structural Health Monitoring, 2021, 20, 1822-1840.	4.3	10
7	Efficient development of vision-based dense three-dimensional displacement measurement algorithms using physics-based graphics models. Structural Health Monitoring, 2021, 20, 1841-1863.	4.3	24
8	Development and Validation of a Post-Earthquake Safety Assessment System for High-Rise Buildings Using Acceleration Measurements. Mathematics, 2021, 9, 1758.	1.1	7
9	Synthetic environments for vision-based structural condition assessment of Japanese high-speed railway viaducts. Mechanical Systems and Signal Processing, 2021, 160, 107850.	4.4	39
10	InstaDam: Open-Source Platform for Rapid Semantic Segmentation of Structural Damage. Applied Sciences (Switzerland), 2021, 11, 520.	1.3	6
11	Visionâ€based automated bridge component recognition with highâ€level scene consistency. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 465-482.	6.3	67
12	Vision-Based Monitoring of Post-Tensioned Diagonals on Miter Lock Gate. Journal of Structural Engineering, 2020, 146, .	1.7	6
13	MaDnet: multi-task semantic segmentation of multiple types of structural materials and damage in images of civil infrastructure. Journal of Civil Structural Health Monitoring, 2020, 10, 757-773.	2.0	60
14	Sensor fault management techniques for wireless smart sensor networks in structural health monitoring. Structural Control and Health Monitoring, 2019, 26, e2362.	1.9	34
15	Advances in Computer Vision-Based Civil Infrastructure Inspection and Monitoring. Engineering, 2019, 5, 199-222.	3.2	575
16	Free vibration-based system identification using temporal cross-correlations. Structural Control and Health Monitoring, 2018, 25, e2207.	1.9	11
17	Vibration measurement with routing-free multihop wireless sensor networks and its application to a long-span bridge. IABSE Symposium Report, 2015, , .	0.0	0
18	Monitoring Post-tensioned Miter Gate Diagonals Using Vision- based Vibration Measurements. , 0, , .		1

#	Article	IF	Citations
19	Dense 3D Displacement and Strain Measurement Framework of Miter Gates Using Computer Vision. , 0, , .		3
20	Deep Learning-based Damage Detection of Miter Gates Using Synthetic Imagery from Computer Graphics. , 0, , .		9