

Sriram Narasimhan

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

752
citations

516681

16
h-index

552766

26
g-index

43
all docs

43
docs citations

43
times ranked

591
citing authors

#	ARTICLE	IF	CITATIONS
1	Active acoustic leak detection and localization in a plastic pipe using time delay estimation. Applied Acoustics, 2022, 187, 108482.	3.3	14
2	An Unsupervised Bayesian OC-SVM Approach for Early Degradation Detection, Thresholding, and Fault Prediction in Machinery Monitoring. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	13
3	Interactive defect quantification through extended reality. Advanced Engineering Informatics, 2022, 51, 101473.	8.0	13
4	Assessing the Fracture Risk of Corroded Cast-Iron Pipes in Expansive Soils. Journal of Pipeline Systems Engineering and Practice, 2021, 12, 04021041.	1.6	1
5	Long-Term Monitoring for Leaks in Water Distribution Networks Using Association Rules Mining. IEEE Transactions on Industrial Informatics, 2020, 16, 258-266.	11.3	23
6	Linear Prediction for Leak Detection in Water Distribution Networks. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	1.6	24
7	Mean Shift Clustering-Based Analysis of Nonstationary Vibration Signals for Machinery Diagnostics. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4056-4066.	4.7	15
8	A Blind Condition-Based Maintenance Framework for Real-Time Fault Detection and Degradation Modeling of the LINK APM Gearbox. , 2020, , .		0
9	Framework for Analyzing Cast Iron Water Main Fractures due to Moisture-Induced Soil Expansion. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	1.6	4
10	Active acoustic leak detection in a pressurized PVC pipe. Urban Water Journal, 2020, 17, 315-324.	2.1	11
11	Automated Defect Quantification in Concrete Bridges Using Robotics and Deep Learning. Journal of Computing in Civil Engineering, 2020, 34, .	4.7	41
12	A field implementation of linear prediction for leak-monitoring in water distribution networks. Advanced Engineering Informatics, 2020, 45, 101103.	8.0	19
13	Extraction of contact-point response in indirect bridge health monitoring using an input estimation approach. Journal of Civil Structural Health Monitoring, 2020, 10, 815-831.	3.9	36
14	Noncontact Sensing Technologies for Bridge Structural Health Assessment. Journal of Bridge Engineering, 2020, 25, 02020001.	2.9	2
15	Adaptive Model Predictive Control for Deployable Control Systems with Constraints. Journal of Structural Engineering, 2019, 145, .	3.4	7
16	Automated Bridge Inspection Using Mobile Ground Robotics. Journal of Structural Engineering, 2019, 145, 04019137.	3.4	31
17	Automating Data Collection for Robotic Bridge Inspections. Journal of Bridge Engineering, 2019, 24, .	2.9	36
18	A Gaussian process latent force model for joint input-state estimation in linear structural systems. Mechanical Systems and Signal Processing, 2019, 128, 497-530.	8.0	72

#	ARTICLE	IF	CITATIONS
19	Mitigating Pedestrian Bridge Motions Using a Deployable Autonomous Control System. Journal of Bridge Engineering, 2019, 24, .	2.9	5
20	A probabilistic approach to remaining useful life prediction of rolling element bearings. Structural Health Monitoring, 2019, 18, 466-485.	7.5	17
21	Initial service life data towards structural health monitoring of a concrete arch dam. Structural Control and Health Monitoring, 2018, 25, e2036.	4.0	57
22	Adopting Robotic Systems to Enhance Vibration Control of Footbridges. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2018, 28, 435-447.	0.8	1
23	Leak detection in water distribution pipes using singular spectrum analysis. Urban Water Journal, 2018, 15, 636-644.	2.1	31
24	Mass normalized mode shape identification of bridge structures using a single actuator-sensor pair. Structural Control and Health Monitoring, 2018, 25, e2244.	4.0	17
25	A hybrid hidden Markov model towards fault detection of rotating components. JVC/Journal of Vibration and Control, 2017, 23, 3175-3195.	2.6	19
26	Deployable Active Mass Dampers for Vibration Mitigation in Lightweight Bridges. Journal of Structural Engineering, 2017, 143, .	3.4	15
27	Structural control using a deployable autonomous control system. International Journal of Intelligent Robotics and Applications, 2017, 1, 306-326.	2.8	6
28	Evaluation of Design Guidelines for the Serviceability Assessment of Aluminum Pedestrian Bridges. Journal of Bridge Engineering, 2017, 22, 04016109.	2.9	19
29	Reliability under the Serviceability Limit State of Footbridges Subjected to Human-Induced Vibrations. IABSE Symposium Report, 2017, , .	0.0	0
30	Towards Deployable, Autonomous, Vibration Control Systems for Lightweight Footbridges. , 2017, , .		0
31	Key Findings from Serviceability Studies on Aluminum Footbridges. , 2017, , .		0
32	Time-Frequency-Based Analysis of Pedestrian Induced Vibrations Using a Two-Step Clustering Approach. , 2017, , .		0
33	A state space-based explicit integration method for real-time hybrid simulation. Structural Control and Health Monitoring, 2016, 23, 641-658.	4.0	9
34	A study on vibration isolation for wind turbine structures. Engineering Structures, 2014, 60, 223-234.	5.3	36
35	Mitigation of Vortex-Induced Vibrations of a Pivoted Circular Cylinder Using an Adaptive Pendulum Tuned-Mass Damper. Journal of Fluids Engineering, Transactions of the ASME, 2013, 135, .	1.5	2
36	Blind source separation towards decentralized modal identification using compressive sampling. , 2012, , .		7

#	ARTICLE	IF	CITATIONS
37	Direct adaptive neural controller for the active control of earthquake-excited nonlinear base-isolated buildings. Structural Control and Health Monitoring, 2012, 19, 370-384.	4.0	24
38	Independent component regression for predicting the responses of biaxial base-isolated buildings. Earthquake Engineering and Structural Dynamics, 2010, 39, 583-590.	4.4	1
39	Fault-tolerant adaptive control of nonlinear base-isolated buildings using EMRAN. Engineering Structures, 2010, 32, 2477-2487.	5.3	35
40	Principal Component Analysis for Predicting the Response of Nonlinear Base-Isolated Buildings. Earthquake Spectra, 2009, 25, 93-115.	3.1	8
41	Benchmark structural control problem for a seismically excited highway bridge-Part III: Phase II Sample controller for the fully base-isolated case. Structural Control and Health Monitoring, 2009, 16, 549-563.	4.0	47
42	Robust direct adaptive controller for the nonlinear highway bridge benchmark. Structural Control and Health Monitoring, 2009, 16, 599-612.	4.0	16
43	OPTIMAL CONTROL OF STRUCTURES. , 2007, , 221-244.		18