Li Wang

List of Publications by Year
in descending order

49	453	840585 11	839398 18
papers	citations	h-index	g-index

50	50	50	198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An enhanced response sensitivity approach for structural damage identification: convergence and performance. International Journal for Numerical Methods in Engineering, 2017, 111, 1231-1251.	1.5	57
2	Identification of nonlinear hysteretic parameters by enhanced response sensitivity approach. International Journal of Non-Linear Mechanics, 2017, 96, 1-11.	1.4	28
3	On choice and effect of weight matrix for response sensitivity-based damage identification with measurement and model errors. Mechanical Systems and Signal Processing, 2019, 114, 1-24.	4.4	26
4	Incremental response sensitivity approach for parameter identification of chaotic and hyperchaotic systems. Nonlinear Dynamics, 2017, 89, 153-167.	2.7	25
5	A tractionâ€based equilibrium finite element free from spurious kinematic modes for linear elasticity problems. International Journal for Numerical Methods in Engineering, 2014, 99, 763-788.	1.5	19
6	Bandlimited force identification based on sinc-dictionaries and Tikhonov regularization. Journal of Sound and Vibration, 2020, 464, 114988.	2.1	18
7	Parameter identification of nonlinear fractional-order systems by enhanced response sensitivity approach. Nonlinear Dynamics, 2019, 95, 1495-1512.	2.7	16
8	Nonlinear breathing crack identification from time-domain sensitivity analysis. Applied Mathematical Modelling, 2020, 83, 30-45.	2.2	15
9	Output-only modal parameter identification of structures by vision modal analysis. Journal of Sound and Vibration, 2021, 497, 115949.	2.1	15
10	Sensitivity-free damage identification based on incomplete modal data, sparse regularization and alternating minimization approach. Mechanical Systems and Signal Processing, 2019, 120, 43-68.	4.4	14
11	Computable upper and lower bounds on eigenfrequencies. Computer Methods in Applied Mechanics and Engineering, 2016, 302, 27-43.	3.4	13
12	Real-time hysteresis identification in structures based on restoring force reconstruction and Kalman filter. Mechanical Systems and Signal Processing, 2021, 150, 107297.	4.4	13
13	A time finite element method for structural dynamics. Applied Mathematical Modelling, 2017, 41, 445-461.	2.2	12
14	Frequency response-based damage identification in frames by minimum constitutive relation error and sparse regularization. Journal of Sound and Vibration, 2019, 443, 270-292.	2.1	11
15	Experimental investigation on use of regularization techniques and pre-post measurement changes for structural damage identification. International Journal of Solids and Structures, 2020, 185-186, 212-221.	1.3	11
16	A unified approach to strict upper and lower bounds of quantities in linear elasticity based on constitutive relation error estimation. Computer Methods in Applied Mechanics and Engineering, 2015, 286, 332-353.	3.4	10
17	Modal-based structural damage identification by minimum constitutive relation error and sparse regularization. Structural Control and Health Monitoring, 2018, 25, e2255.	1.9	10
18	A fast friction-model-inspired sparse regularization approach for damage identification with modal data. Computers and Structures, 2020, 227, 106142.	2.4	10

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19	Rapid parameter identification of linear time-delay system from noisy frequency domain data. Applied Mathematical Modelling, 2020, 83, 736-753.	2.2	10
20	A new semi-analytical technique for nonlinear systems based on response sensitivity analysis. Nonlinear Dynamics, 2021, 103, 1529-1551.	2.7	10
21	Parameter identification of nonlinear structural systems through frequency response sensitivity analysis. Nonlinear Dynamics, 2021, 104, 3975.	2.7	9
22	A new semi-analytical approach for quasi-periodic vibrations of nonlinear systems. Communications in Nonlinear Science and Numerical Simulation, 2021, 103, 105999.	1.7	9
23	Data-driven modeling of general damping systems by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e3237" altimg="si102.svg"><mml:mi>k</mml:mi></mml:math>-means clustering and two-stage regression. Mechanical Systems and Signal Processing, 2022, 167, 108572.	4.4	8
24	Identification of Bouc-Wen hysteretic parameters based on enhanced response sensitivity approach. Journal of Physics: Conference Series, 2017, 842, 012021.	0.3	7
25	Blind separation of structural modes by compact-bandwidth regularization. Mechanical Systems and Signal Processing, 2019, 131, 288-316.	4.4	7
26	Parameter identification of bolted joint models by trust-region constrained sensitivity approach. Applied Mathematical Modelling, 2021, 99, 204-227.	2.2	7
27	Damage identification from static tests by eigenparameter decomposition and sparse regularization. Structural Health Monitoring, 2020, 19, 1351-1374.	4.3	6
28	A novel iterative integration regularization method for ill-posed inverse problems. Engineering With Computers, 2021, 37, 1921.	3.5	6
29	Convergence rates of harmonic balance method for periodic solution of smooth and non-smooth systems. Communications in Nonlinear Science and Numerical Simulation, 2021, 99, 105826.	1.7	6
30	Stable linear tractionâ€based equilibrium elements for elastostatics: Direct access to linear statically admissible stresses and quadratic kinematically admissible displacements for dual analysis. International Journal for Numerical Methods in Engineering, 2015, 101, 887-932.	1.5	5
31	Static damage identification in beams by minimum constitutive relation error. Inverse Problems in Science and Engineering, 2019, 27, 1347-1371.	1.2	5
32	Parameters identification of Iwan bolted joint models based on enhanced hysteretic force response sensitivity approach. International Journal of Non-Linear Mechanics, 2022, 143, 104022.	1.4	5
33	Complementary energy principle for elastodynamics: Free of volumetric locking. International Journal of Solids and Structures, 2017, 120, 103-114.	1.3	4
34	Physicalâ€based parametrization and local damage identification for frameâ€type structures using response sensitivity approach in time domain. Structural Control and Health Monitoring, 2019, 26, e2412.	1.9	4
35	Cavity identification in elastic structures by explicit domain mapping and boundary mode sensitivity analysis. European Journal of Mechanics, A/Solids, 2019, 75, 109-127.	2.1	4
36	Detection of Structural Damage in Rotating Beams Using Modal Sensitivity Analysis and Sparse Regularization. International Journal of Structural Stability and Dynamics, 2020, 20, 2050086.	1.5	4

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37	A simple and effective Measurement-Changes-Correction strategy for damage identification with aleatoric and epistemic model errors. Structural Health Monitoring, 2021, 20, 1196-1220.	4.3	4
38	Upper and lower bounds on quantities of interest for contact problems. Computer Methods in Applied Mechanics and Engineering, 2017, 317, 817-835.	3.4	3
39	A sparse regularization approach to inverse heat source identification. International Journal of Heat and Mass Transfer, 2019, 142, 118430.	2.5	3
40	Strict upper and lower bounds of quantities for beams on elastic foundation by dual analysis. Engineering Computations, 2015, 32, 1619-1642.	0.7	1
41	Strict upper and lower bounds of stress intensity factors at 2D elastic notches based on constitutive relation error estimation. Computational Mechanics, 2015, 56, 739-752.	2.2	1
42	Nonlinear hysteretic parameter identification using improved artificial bee colony algorithm. Advances in Structural Engineering, 0, , 136943322110204.	1.2	1
43	Model-calibration-free damage identification of shear structures by measurement changes correction and sparse regularization. Structures, 2022, 37, 255-266.	1.7	1
44	Strict upper and lower bounds of quantities in linear second-order systems. Applied Mathematical Modelling, 2018, 57, 535-552.	2.2	0
45	Covariance regression for operational modal analysis. JVC/Journal of Vibration and Control, 0, , 107754632199014.	1.5	0
46	Output-Only Modal Analysis of a Footbridge Based on Compact-Bandwidth Regularization. Lecture Notes in Civil Engineering, 2021, , 175-186.	0.3	0
47	Residual stress identification in thin plates based on modal data and sensitivity analysis. International Journal of Solids and Structures, 2022, 236-237, 111350.	1.3	0
48	Sensitivity-based nonlinear restoring force identification of multistable piezoelectric energy harvesters. European Physical Journal Plus, 2022, 137, 1.	1.2	0
49	Output-only modal analysis of the Humen Bridge from video measurement. Journal of Physics: Conference Series, 2022, 2184, 012043.	0.3	0