

# Li Wang

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

50  
papers

257  
citations

8  
h-index

13  
g-index

50  
ext. papers

370  
ext. citations

3.8  
avg, IF

4.28  
L-index

#	Paper	IF	Citations
50	Residual stress identification in thin plates based on modal data and sensitivity analysis. <i>International Journal of Solids and Structures</i> , <b>2022</b> , 236-237, 111350	3.1	
49	Data-driven modeling of general damping systems by k-means clustering and two-stage regression. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 167, 108572	7.8	1
48	Model-calibration-free damage identification of shear structures by measurement changes correction and sparse regularization. <i>Structures</i> , <b>2022</b> , 37, 255-266	3.4	0
47	Sensitivity-based nonlinear restoring force identification of multistable piezoelectric energy harvesters. <i>European Physical Journal Plus</i> , <b>2022</b> , 137, 1	3.1	
46	Parameters identification of Iwan bolted joint models based on enhanced hysteretic force response sensitivity approach. <i>International Journal of Non-Linear Mechanics</i> , <b>2022</b> , 143, 104022	2.8	0
45	Output-only modal analysis of the Humen Bridge from video measurement. <i>Journal of Physics: Conference Series</i> , <b>2022</b> , 2184, 012043	0.3	
44	Damage Detection for Rotating Flexible Beam Based on Time Domain Sensitivity Analysis. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 163-174	0.3	
43	Output-Only Modal Analysis of a Footbridge Based on Compact-Bandwidth Regularization. <i>Lecture Notes in Civil Engineering</i> , <b>2021</b> , 175-186	0.3	
42	Output-only modal parameter identification of structures by vision modal analysis. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 497, 115949	3.9	4
41	Parameter identification of nonlinear structural systems through frequency response sensitivity analysis. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 3975	5	0
40	Real-time hysteresis identification in structures based on restoring force reconstruction and Kalman filter. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 150, 107297	7.8	5
39	A simple and effective Measurement-Changes-Correction strategy for damage identification with aleatoric and epistemic model errors. <i>Structural Health Monitoring</i> , <b>2021</b> , 20, 1196-1220	4.4	1
38	Convergence rates of harmonic balance method for periodic solution of smooth and non-smooth systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2021</b> , 99, 105826	3.7	1
37	Parameter identification of bolted joint models by trust-region constrained sensitivity approach. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 99, 204-227	4.5	2
36	A new semi-analytical approach for quasi-periodic vibrations of nonlinear systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2021</b> , 103, 105999	3.7	2
35	A new semi-analytical technique for nonlinear systems based on response sensitivity analysis. <i>Nonlinear Dynamics</i> , <b>2021</b> , 103, 1529-1551	5	3
34	Detection of Structural Damage in Rotating Beams Using Modal Sensitivity Analysis and Sparse Regularization. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2050086	1.9	3

33	Rapid parameter identification of linear time-delay system from noisy frequency domain data. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 83, 736-753	4.5	3
32	Nonlinear breathing crack identification from time-domain sensitivity analysis. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 83, 30-45	4.5	8
31	A fast friction-model-inspired sparse regularization approach for damage identification with modal data. <i>Computers and Structures</i> , <b>2020</b> , 227, 106142	4.5	5
30	Damage identification from static tests by eigenparameter decomposition and sparse regularization. <i>Structural Health Monitoring</i> , <b>2020</b> , 19, 1351-1374	4.4	2
29	A novel iterative integration regularization method for ill-posed inverse problems. <i>Engineering With Computers</i> , <b>2020</b> , 37, 1921	4.5	4
28	Experimental investigation on use of regularization techniques and pre-post measurement changes for structural damage identification. <i>International Journal of Solids and Structures</i> , <b>2020</b> , 185-186, 212-221 <sup>3,1</sup>	3.1	5
27	Bandlimited force identification based on sinc-dictionaries and Tikhonov regularization. <i>Journal of Sound and Vibration</i> , <b>2020</b> , 464, 114988	3.9	7
26	Cavity identification in elastic structures by explicit domain mapping and boundary mode sensitivity analysis. <i>European Journal of Mechanics, A/Solids</i> , <b>2019</b> , 75, 109-127	3.7	1
25	Blind separation of structural modes by compact-bandwidth regularization. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 131, 288-316	7.8	5
24	On choice and effect of weight matrix for response sensitivity-based damage identification with measurement and model errors. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 114, 1-24	7.8	20
23	Physical-based parametrization and local damage identification for frame-type structures using response sensitivity approach in time domain. <i>Structural Control and Health Monitoring</i> , <b>2019</b> , 26, e2412	4.5	2
22	A sparse regularization approach to inverse heat source identification. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 142, 118430	4.9	2
21	Sensitivity-free damage identification based on incomplete modal data, sparse regularization and alternating minimization approach. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 120, 43-68	7.8	10
20	Parameter identification of nonlinear fractional-order systems by enhanced response sensitivity approach. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 1495-1512	5	10
19	Static damage identification in beams by minimum constitutive relation error. <i>Inverse Problems in Science and Engineering</i> , <b>2019</b> , 27, 1347-1371	1.3	3
18	Frequency response-based damage identification in frames by minimum constitutive relation error and sparse regularization. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 443, 270-292	3.9	6
17	Strict upper and lower bounds of quantities in linear second-order systems. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 57, 535-552	4.5	
16	Modal-based structural damage identification by minimum constitutive relation error and sparse regularization. <i>Structural Control and Health Monitoring</i> , <b>2018</b> , 25, e2255	4.5	9

15	Upper and lower bounds on quantities of interest for contact problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2017</b> , 317, 817-835	5.7	1
14	Complementary energy principle for elastodynamics: Free of volumetric locking. <i>International Journal of Solids and Structures</i> , <b>2017</b> , 120, 103-114	3.1	4
13	Incremental response sensitivity approach for parameter identification of chaotic and hyperchaotic systems. <i>Nonlinear Dynamics</i> , <b>2017</b> , 89, 153-167	5	19
12	An enhanced response sensitivity approach for structural damage identification: convergence and performance. <i>International Journal for Numerical Methods in Engineering</i> , <b>2017</b> , 111, 1231-1251	2.4	44
11	Identification of nonlinear hysteretic parameters by enhanced response sensitivity approach. <i>International Journal of Non-Linear Mechanics</i> , <b>2017</b> , 96, 1-11	2.8	20
10	A time finite element method for structural dynamics. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 41, 445-461	1.5	7
9	Identification of Bouc-Wen hysteretic parameters based on enhanced response sensitivity approach. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 842, 012021	0.3	4
8	Computable upper and lower bounds on eigenfrequencies. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2016</b> , 302, 27-43	5.7	8
7	Strict upper and lower bounds of stress intensity factors at 2D elastic notches based on constitutive relation error estimation. <i>Computational Mechanics</i> , <b>2015</b> , 56, 739-752	4	1
6	Strict upper and lower bounds of quantities for beams on elastic foundation by dual analysis. <i>Engineering Computations</i> , <b>2015</b> , 32, 1619-1642	1.4	1
5	Stable linear traction-based equilibrium elements for elastostatics: Direct access to linear statically admissible stresses and quadratic kinematically admissible displacements for dual analysis. <i>International Journal for Numerical Methods in Engineering</i> , <b>2015</b> , 101, 887-932	2.4	2
4	A unified approach to strict upper and lower bounds of quantities in linear elasticity based on constitutive relation error estimation. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2015</b> , 286, 332-353	5.7	7
3	A traction-based equilibrium finite element free from spurious kinematic modes for linear elasticity problems. <i>International Journal for Numerical Methods in Engineering</i> , <b>2014</b> , 99, 763-788	2.4	15
2	Nonlinear hysteretic parameter identification using improved artificial bee colony algorithm. <i>Advances in Structural Engineering</i> , 136943322110204	1.9	0
1	Covariance regression for operational modal analysis. <i>JVC/Journal of Vibration and Control</i> , 107754632199014		