Ling Yu

List of Publications by Year
in descending order

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78	1,764	304743	289244
papers	citations	22 h-index	40 g-index

80	80	80	1113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fiber Bragg grating sensors for structural health monitoring of Tsing Ma bridge: Background and experimental observation. Engineering Structures, 2006, 28, 648-659.	5.3	384
2	Recent research on identification of moving loads on bridges. Journal of Sound and Vibration, 2007, 305, 3-21.	3.9	123
3	Moving force identification based on redundant concatenated dictionary and weighted l1-norm regularization. Mechanical Systems and Signal Processing, 2018, 98, 32-49.	8.0	113
4	Moving force identification based on the frequencyâ€“time domain method. Journal of Sound and Vibration, 2003, 261, 329-349.	3.9	81
5	MOVING FORCE IDENTIFICATION STUDIES, I: THEORY. Journal of Sound and Vibration, 2001, 247, 59-76.	3.9	63
6	Evaluation of dynamic loads on a skew box girder continuous bridge Part II: Parametric study and dynamic load factor. Engineering Structures, 2007, 29, 1064-1073.	5.3	51
7	Structural health monitoring based on continuous ACO method. Microelectronics Reliability, 2011, 51, 270-278.	1.7	48
8	Structural Damage Detection in a Truss Bridge Model Using Fuzzy Clustering and Measured FRF Data Reduced by Principal Component Projection. Advances in Structural Engineering, 2013, 16, 207-217.	2.4	47
9	Evaluation of dynamic loads on a skew box girder continuous bridge Part I: Field test and modal analysis. Engineering Structures, 2007, 29, 1052-1063.	5.3	46
10	COMPARATIVE STUDIES ON MOVING FORCE IDENTIFICATION FROM BRIDGE STRAINS IN LABORATORY. Journal of Sound and Vibration, 2000, 235, 87-104.	3.9	43
11	MOVING FORCE IDENTIFICATION STUDIES, II: COMPARATIVE STUDIES. Journal of Sound and Vibration, 2001, 247, 77-95.	3.9	41
12	A new structural damage detection strategy of hybrid PSO with Monte Carlo simulations and experimental verifications. Measurement: Journal of the International Measurement Confederation, 2018, 122, 658-669.	5.0	39
13	Identification of vehicle axle loads from bridge responses using preconditioned least square QR-factorization algorithm. Mechanical Systems and Signal Processing, 2019, 128, 479-496.	8.0	37
14	A hybrid ant lion optimizer with improved Nelderâ€“Mead algorithm for structural damage detection by improving weighted trace lasso regularization. Advances in Structural Engineering, 2020, 23, 468-484.	2.4	36
15	Identification of moving vehicle forces on bridge structures via moving average Tikhonov regularization. Smart Materials and Structures, 2017, 26, 085041.	3.5	33
16	Nonlinear damage detection using higher statistical moments of structural responses. Structural Engineering and Mechanics, 2015, 54, 221-237.	1.0	33
17	Compressed sensing for moving force identification using redundant dictionaries. Mechanical Systems and Signal Processing, 2020, 138, 106535.	8.0	32
18	Structural Nonlinear Damage Identification Algorithm Based on Time Series ARMA/GARCH Model. Advances in Structural Engineering, 2013, 16, 1597-1609.	2.4	28

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19	A Global Artificial Fish Swarm Algorithm for Structural Damage Detection. Advances in Structural Engineering, 2014, 17, 331-346.	2.4	27
20	A MOM-based algorithm for moving force identification: Part I - Theory and numerical simulation. Structural Engineering and Mechanics, 2008, 29, 135-154.	1.0	27
21	A hybrid self-adaptive Firefly-Nelder-Mead algorithm for structural damage detection. Smart Structures and Systems, 2016, 17, 957-980.	1.9	24
22	Damage Identification in Frame Structures Based on FE Model Updating. Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132, .	1.6	23
23	Sparse regularization for traffic load monitoring using bridge response measurements. Measurement: Journal of the International Measurement Confederation, 2019, 131, 173-182.	5.0	22
24	A MOM-based algorithm for moving force identification: Part II - Experiment and comparative studies. Structural Engineering and Mechanics, 2008, 29, 155-169.	1.0	22
25	Structural damage detection via adaptive dictionary learning and sparse representation of measured acceleration responses. Measurement: Journal of the International Measurement Confederation, 2018, 128, 377-387.	5.0	21
26	Cloud Computing-Based Time Series Analysis for Structural Damage Detection. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	20
27	Noise analysis for sensitivity-based structural damage detection. Applied Mathematics and Mechanics (English Edition), 2007, 28, 741-750.	3.6	19
28	Structural damage detection via combining weighted strategy with trace Lasso. Advances in Structural Engineering, 2019, 22, 597-612.	2.4	18
29	Comparison of regularization methods for moving force identification with ill-posed problems. Journal of Sound and Vibration, 2020, 478, 115349.	3.9	18
30	A semi-convex function for both constant and time-varying moving force identification. Mechanical Systems and Signal Processing, 2021, 146, 107062.	8.0	18
31	Moving force identification from bending moment responses of bridge. Structural Engineering and Mechanics, 2002, 14, 151-170.	1.0	17
32	A novel preconditioned range restricted GMRES algorithm for moving force identification and its experimental validation. Mechanical Systems and Signal Processing, 2021, 155, 107635.	8.0	15
33	Sparse regularization-based damage detection in a bridge subjected to unknown moving forces. Journal of Civil Structural Health Monitoring, 2019, 9, 425-438.	3.9	13
34	Identification of external forces via truncated response sparse decomposition under unknown initial conditions. Advances in Structural Engineering, 2019, 22, 3161-3175.	2.4	13
35	Moving Force Identification Based on Firefly Algorithm. Advanced Materials Research, 0, 919-921, 329-333.	0.3	12
36	Identification of Multi-Axle Vehicle Loads on Bridges. Journal of Vibration and Acoustics, Transactions of the ASME, 2004, 126, 17-26.	1.6	11

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37	Structural Damage Prognosis on Truss Bridges with End Connector Bolts. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	9
38	A new bridge-vehicle system part I: Formulation and validation. Structural Engineering and Mechanics, 2003, 15, 1-19.	1.0	9
39	Moving force identification from bridge dynamic responses. Structural Engineering and Mechanics, 2005, 21, 369-374.	1.0	9
40	Optimal Sensor Placement Based on MAC and SPGA Algorithms. Advanced Materials Research, 2012, 594-597, 1118-1122.	0.3	8
41	Parametric study on PCA-based algorithm for structural health monitoring. , 2010, , .		7
42	Damage Assessment of Two-Way Bending RC Slabs Subjected to Blast Loadings. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	7
43	A sparse self-estimated sensor-network for reconstructing moving vehicle forces. Smart Materials and Structures, 2019, 28, 085009.	3.5	7
44	Onsite Identification of Moving Vehicle Loads on Multispan Continuous Bridge Using Both Dictionary Expansion and Sparse Regularization. Journal of Aerospace Engineering, 2021, 34, .	1.4	7
45	Weighted Transmissibility Assurance Criterion for Structural Damage Detection. Journal of Aerospace Engineering, 2021, 34, .	1.4	6
46	A new bridge-vehicle system part II: Parametric study. Structural Engineering and Mechanics, 2003, 15, 21-38.	1.0	6
47	Moving Force Identification Based on Group Lasso and Compressed Sensing. International Journal of Structural Stability and Dynamics, 2022, 22, .	2.4	6
48	Flexibility-Based Objective Functions for Constrained Optimization Problems on Structural Damage Detection. Advanced Materials Research, 2011, 186, 383-387.	0.3	5
49	An Improved PSO Algorithm and Its Application to Structural Damage Detection. , 2008, , .		4
50	Structural Nonlinear Damage Detection Based on ARMA-GARCH Model. Applied Mechanics and Materials, 0, 204-208, 2891-2896.	0.2	4
51	Moving force identification based on particle swarm optimization. , 2016, , .		4
52	PSO-based sparse regularization approach for structural damage detection. , 2017, , .		4
53	Regularization Strategies for Contiguous and Noncontiguous Damage Detection of Structures. International Journal of Computational Methods, 2021, 18, 2140001.	1.3	4
54	A Multi-State Strategy for Structural Damage Detection Using Sensitivity of Weighted Transmissibility Function. International Journal of Structural Stability and Dynamics, 2021, 21, 2150144.	2.4	4

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55	A SI-Based Algorithm for Structural Damage Detection. Lecture Notes in Computer Science, 2012, , 21-28.	1.3	4
56	An eigenspace projection clustering method for structural damage detection. Structural Engineering and Mechanics, 2012, 44, 179-196.	1.0	4
57	Bridge damage identification by combining modal flexibility and PSO methods. , 2010, , .		3
58	Structural Damage Detection by Fusion of GA and PSO. Advanced Materials Research, 2014, 919-921, 338-343.	0.3	3
59	Optimal Sensor Placement Based on Tabu Search Algorithms. Applied Mechanics and Materials, 2014, 578-579, 1069-1072.	0.2	3
60	Structural Damage Detection of Truss Bridge under Environmental Variability. Applied Mathematics and Information Sciences, 2015, 9, 259-265.	0.5	3
61	Bidirectional Moving Vehicle Load Identification from Bridge Responses. Advanced Materials Research, 0, 163-167, 2699-2703.	0.3	2
62	Effect of Multi-Material Substitutions on Static and Dynamic Properties of Electric Vehicles. Advanced Materials Research, 2012, 535-537, 1402-1407.	0.3	2
63	Comparative studies on structural damage detection using <i>L</i><SUB align="right"><i>p</i> norm regularisation. International Journal of Lifecycle Performance Engineering, 2019, 3, 171.	0.2	2
64	An ACO-based algorithm for structural health monitoring. , 2010, , .		1
65	An Effective Independence-Improved Modal Strain Energy Method for Optimal Sensor Placement of Bridge Structures. Applied Mechanics and Materials, 2014, 670-671, 1252-1255.	0.2	1
66	A DE-Based Algorithm for Structural Damage Detection. Advanced Materials Research, 0, 919-921, 303-307.	0.3	1
67	The Structural Nonlinear Damage Detection Based on Linear Time Series Algorithm. Applied Mechanics and Materials, 0, 744-746, 345-350.	0.2	1
68	Parameter Studies of Moving Force Identification in Laboratory. , 1999, , 537-544.		1
69	Effect of Computational Patterns of PCA on Moving Force Identification. Advanced Materials Research, 0, 163-167, 2678-2682.	0.3	0
70	Study on Global Stability of Mono-Overhanging Steel Beam. Advanced Materials Research, 0, 186, 151-155.	0.3	0
71	Parametric Effect on Bidirectional Moving Vehicle Load Identification. Applied Mechanics and Materials, 0, 66-68, 194-198.	0.2	0
72	Bidirectional Moving Force Identification on an Orthotropic Rectangular Plate. Advanced Materials Research, 0, 378-379, 171-175.	0.3	0

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73	Modal Parameter Identification Method for Structural Health Monitoring Benchmark Model. Advanced Materials Research, 0, 594-597, 1113-1117.	0.3	0
74	A MRACO Algorithm for Structural Multi-Damage Detection. Applied Mechanics and Materials, 0, 405-408, 2443-2447.	0.2	0
75	A Two Step Damage Prognosis Method for Beam-Like Truss Structures. Applied Mechanics and Materials, 0, 578-579, 1092-1095.	0.2	0
76	A novel two-step intelligent algorithm for damage detection of beam-like structures. , 2015, , .		0
77	Identification of joint equivalent parameters via combining PSO with FE model updating. , 2016, , .		0
78	Structural Health Monitoring of Hydraulic Radial Gate. Advanced Science Letters, 2012, 9, 528-532.	0.2	0