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	Moving Force Identification Based on Group Lasso and Compressed Sensing. International Journal of Structural Stability and Dynamics, 2022, 22, .	2.4	6
2	Regularization Strategies for Contiguous and Noncontiguous Damage Detection of Structures. International Journal of Computational Methods, 2021, 18, 2140001.	1.3	4
3	A semi-convex function for both constant and time-varying moving force identification. Mechanical Systems and Signal Processing, 2021, 146, 107062.	8.0	18
4	Weighted Transmissibility Assurance Criterion for Structural Damage Detection. Journal of Aerospace Engineering, 2021, 34, .	1.4	6
5	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
6	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
7	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
8	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
9	Compressed sensing for moving force identification using redundant dictionaries. Mechanical Systems and Signal Processing, 2020, 138, 106535.	8.0	32
10	Comparison of regularization methods for moving force identification with ill-posed problems. Journal of Sound and Vibration, 2020, 478, 115349.	3.9	18
11	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
12	Identification of external forces via truncated response sparse decomposition under unknown initial conditions. Advances in Structural Engineering, 2019, 22, 3161-3175.	2.4	13
13	A sparse self-estimated sensor-network for reconstructing moving vehicle forces. Smart Materials and Structures, 2019, 28, 085009.	3.5	7
14	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
15	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
16	Sparse regularization for traffic load monitoring using bridge response measurements. Measurement: Journal of the International Measurement Confederation, 2019, 131, 173-182.	5.0	22
17	Structural damage detection via combining weighted strategy with trace Lasso. Advances in Structural Engineering, 2019, 22, 597-612.	2.4	18
18	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

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19	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
20	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
21	Cloud Computing-Based Time Series Analysis for Structural Damage Detection. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	20
22	Structural Damage Prognosis on Truss Bridges with End Connector Bolts. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	9
23	Identification of moving vehicle forces on bridge structures via moving average Tikhonov regularization. Smart Materials and Structures, 2017, 26, 085041.	3.5	33
24	PSO-based sparse regularization approach for structural damage detection. , 2017, , .		4
25	Moving force identification based on particle swarm optimization. , 2016, , .		4
26	Identification of joint equivalent parameters via combining PSO with FE model updating. , 2016, , .		0
27	A hybrid self-adaptive Firefly-Nelder-Mead algorithm for structural damage detection. Smart Structures and Systems, 2016, 17, 957-980.	1.9	24
28	A novel two-step intelligent algorithm for damage detection of beam-like structures. , 2015, , .		0
29	Structural Damage Detection of Truss Bridge under Environmental Variability. Applied Mathematics and Information Sciences, 2015, 9, 259-265.	0.5	3
30	Nonlinear damage detection using higher statistical moments of structural responses. Structural Engineering and Mechanics, 2015, 54, 221-237.	1.0	33
31	Damage Assessment of Two-Way Bending RC Slabs Subjected to Blast Loadings. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	7
32	Structural Damage Detection by Fusion of GA and PSO. Advanced Materials Research, 2014, 919-921, 338-343.	0.3	3
33	Optimal Sensor Placement Based on Tabu Search Algorithms. Applied Mechanics and Materials, 2014, 578-579, 1069-1072.	0.2	3
34	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
35	A Global Artificial Fish Swarm Algorithm for Structural Damage Detection. Advances in Structural Engineering, 2014, 17, 331-346.	2.4	27
36	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

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37	Structural Nonlinear Damage Identification Algorithm Based on Time Series ARMA/GARCH Model. Advances in Structural Engineering, 2013, 16, 1597-1609.	2.4	28
38	Effect of Multi-Material Substitutions on Static and Dynamic Properties of Electric Vehicles. Advanced Materials Research, 2012, 535-537, 1402-1407.	0.3	2
39	Optimal Sensor Placement Based on MAC and SPGA Algorithms. Advanced Materials Research, 2012, 594-597, 1118-1122.	0.3	8
40	A SI-Based Algorithm for Structural Damage Detection. Lecture Notes in Computer Science, 2012, , 21-28.	1.3	4
41	An eigenspace projection clustering method for structural damage detection. Structural Engineering and Mechanics, 2012, 44, 179-196.	1.0	4
42	Structural Health Monitoring of Hydraulic Radial Gate. Advanced Science Letters, 2012, 9, 528-532.	0.2	0
43	Structural health monitoring based on continuous ACO method. Microelectronics Reliability, 2011, 51, 270-278.	1.7	48
44	Flexibility-Based Objective Functions for Constrained Optimization Problems on Structural Damage Detection. Advanced Materials Research, 2011, 186, 383-387.	0.3	5
45	Damage Identification in Frame Structures Based on FE Model Updating. Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132, .	1.6	23
46	An ACO-based algorithm for structural health monitoring. , 2010, , .		1
47	Parametric study on PCA-based algorithm for structural health monitoring. , 2010, , .		7
48	Bridge damage identification by combining modal flexibility and PSO methods. , 2010, , .		3
49	An Improved PSO Algorithm and Its Application to Structural Damage Detection. , 2008, , .		4
50	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
51	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
52	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
53	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
54	Recent research on identification of moving loads on bridges. Journal of Sound and Vibration, 2007, 305, 3-21.	3.9	123

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55	Noise analysis for sensitivity-based structural damage detection. Applied Mathematics and Mechanics (English Edition), 2007, 28, 741-750.	3.6	19
56	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
57	Moving force identification from bridge dynamic responses. Structural Engineering and Mechanics, 2005, 21, 369-374.	1.0	9
58	Identification of Multi-Axle Vehicle Loads on Bridges. Journal of Vibration and Acoustics, Transactions of the ASME, 2004, 126, 17-26.	1.6	11
59	Moving force identification based on the frequencyâ€“time domain method. Journal of Sound and Vibration, 2003, 261, 329-349.	3.9	81
60	A new bridge-vehicle system part I: Formulation and validation. Structural Engineering and Mechanics, 2003, 15, 1-19.	1.0	9
61	A new bridge-vehicle system part II: Parametric study. Structural Engineering and Mechanics, 2003, 15, 21-38.	1.0	6
62	Moving force identification from bending moment responses of bridge. Structural Engineering and Mechanics, 2002, 14, 151-170.	1.0	17
63	MOVING FORCE IDENTIFICATION STUDIES, II: COMPARATIVE STUDIES. Journal of Sound and Vibration, 2001, 247, 77-95.	3.9	41
64	MOVING FORCE IDENTIFICATION STUDIES, I: THEORY. Journal of Sound and Vibration, 2001, 247, 59-76.	3.9	63
65	COMPARATIVE STUDIES ON MOVING FORCE IDENTIFICATION FROM BRIDGE STRAINS IN LABORATORY. Journal of Sound and Vibration, 2000, 235, 87-104.	3.9	43
66	Parameter Studies of Moving Force Identification in Laboratory. , 1999, , 537-544.		1
67	Bidirectional Moving Vehicle Load Identification from Bridge Responses. Advanced Materials Research, 0, 163-167, 2699-2703.	0.3	2
68	Effect of Computational Patterns of PCA on Moving Force Identification. Advanced Materials Research, 0, 163-167, 2678-2682.	0.3	0
69	Study on Global Stability of Mono-Overhanging Steel Beam. Advanced Materials Research, 0, 186, 151-155.	0.3	0
70	Parametric Effect on Bidirectional Moving Vehicle Load Identification. Applied Mechanics and Materials, 0, 66-68, 194-198.	0.2	0
71	Bidirectional Moving Force Identification on an Orthotropic Rectangular Plate. Advanced Materials Research, 0, 378-379, 171-175.	0.3	0
72	Structural Nonlinear Damage Detection Based on ARMA-GARCH Model. Applied Mechanics and Materials, 0, 204-208, 2891-2896.	0.2	4

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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	Moving Force Identification Based on Firefly Algorithm. Advanced Materials Research, 0, 919-921, 329-333.	0.3	12
76	A Two Step Damage Prognosis Method for Beam-Like Truss Structures. Applied Mechanics and Materials, 0, 578-579, 1092-1095.	0.2	0
77	A DE-Based Algorithm for Structural Damage Detection. Advanced Materials Research, 0, 919-921, 303-307.	0.3	1
78	The Structural Nonlinear Damage Detection Based on Linear Time Series Algorithm. Applied Mechanics and Materials, 0, 744-746, 345-350.	0.2	1