Li Zhou

List of Publications by Year
in descending order

		840776	642732
50 papers	**861** citations	**11** h-index	**23** g-index
50 all docs	**50** docs citations	**50** times ranked	**689** citing authors

#	Article	IF	Citations
1	An adaptive extended Kalman filter for structural damage identification. Structural Control and Health Monitoring, 2006, 13, 849-867.	4.0	268
2	Neural Network Emulation of Inverse Dynamics for a Magnetorheological Damper. Journal of Structural Engineering, 2002, 128, 231-239.	3.4	154
3	Impact load identification of composite structure using genetic algorithms. Journal of Sound and Vibration, 2009, 319, 869-884.	3.9	90
4	Adaptive Fuzzy Control for Nonlinear Building-Magnetorheological Damper System. Journal of Structural Engineering, 2003, 129, 905-913.	3.4	67
5	Experimental Study of an Adaptive Extended Kalman Filter for Structural Damage Identification. Journal of Infrastructure Systems, 2008, 14, 42-51.	1.8	61
6	Damage identification of a benchmark building for structural health monitoring. Smart Materials and Structures, 2005, 14, S162-S169.	3.5	53
7	Intelligent technology-based control of motion and vibration using MR dampers. Earthquake Engineering and Engineering Vibration, 2002, 1, 100-110.	2.3	21
8	Wave reflection and transmission in composite beams containing semi-infinite delamination. Journal of Sound and Vibration, 2008, 313, 676-695.	3.9	19
9	Conceptual Design and Experimental Demonstration of a Distributedly Actuated Morphing Wing. Journal of Aircraft, 2015, 52, 452-461.	2.4	18
10	Parameter identification of hysteretic model of rubber-bearing based on sequential nonlinear least-square estimation. Earthquake Engineering and Engineering Vibration, 2010, 9, 375-383.	2.3	13
11	Mechanical property analysis and experimental demonstration of zero Poisson's ratio mixed cruciform honeycomb. Materials Research Express, 2017, 4, 045702.	1.6	11
12	Adaptive quadratic sum-squares error with unknown inputs for damage identification of structures. Structural Control and Health Monitoring, 2009, 17, n/a-n/a.	4.0	10
13	Identification of parametric changes for civil engineering structures using an adaptive Kalman filter. , 2004, 5391, 389.		9
14	Power Reflection and Transmission in Beam Structures Containing a Semi-Infinite Crack. Acta Mechanica Solida Sinica, 2008, 21, 177-188.	1.9	8
15	Study of a zero Poisson's ratio honeycomb used for flexible skin. Materials Research Express, 2017, 4, 045701.	1.6	7
16	Comparison of various structural damage tracking techniques based on experimental data. Smart Structures and Systems, 2010, 6, 1057-1077.	1.9	7
17	Optimal generalized predictive control for a near-space vehicle based on nonlinear disturbance observer. , 2008, , .		6
18	Design and Application of Cross-Shaped Cellular Honeycombs for a Variable Camber Wing. Journal of Aircraft, 2012, 49, 1451-1459.	2.4	6

#	Article	IF	Citations
19	Comparison of adaptive structural damage identification techniques in nonlinear hysteretic vibration isolation systems. Earthquake Engineering and Engineering Vibration, 2013, 12, 659-667.	2.3	5
20	A backstepping sliding mode control based on fuzzy disturbance observer for Aerospace Vehicle. , 2008, , .		3
21	Modeling Lamb Wave Propagation in Damaged Structures Based upon Spectral Element Method. Advanced Materials Research, 0, 570, 79-86.	0.3	3
22	Experimental Study of an Adaptive Sequential Nonlinear LSE with Unknown Inputs for Structural Damage Tracking. Shock and Vibration, 2014, 2014, 1-14.	0.6	3
23	An Optimal Image-Based Method for Identification of Acoustic Emission (AE) Sources in Plate-Like Structures Using a Lead Zirconium Titanate (PZT) Sensor Array. Sensors, 2018, 18, 631.	3.8	3
24	Evaluation on Filter Performance of Variational Mode Decomposition and Its Application in Separating Closely Spaced Modes. Shock and Vibration, 2020, 2020, 1-16.	0.6	3
25	A pre-stack reverse-time migration method for multidamage detection in composite structure. , 2006, 6174, 1318.		2
26	Damage detection for plate-like structure using matching pursuits with chirplet atom. , 2011, , .		2
27	Fatigue crack monitoring of aerospace structure based on lamb waves and binary tree support vector machines. Journal of Vibroengineering, 2017, 19, 3271-3282.	1.0	2
28	Research on flexible skin technique for adaptive bump inlet structure. Aircraft Engineering and Aerospace Technology, 2022, 94, 981-993.	1.2	2
29	Experimental verification of an adaptive tracking technique for structural damage. , 2007, , .		1
30	Comparison of various structural damage tracking techniques based on experimental data. Proceedings of SPIE, 2008, , .	0.8	1
31	Damage detection in composite structure based on damage recognition an localization algorithm of high accuracy. , 2014, , .		1
32	Multiple damage identification and imaging in an aluminum plate using effective Lamb wave response automatic extraction technology. , 2016, , .		1
33	Design of flexible skin based on a mixed cruciform honeycomb. , 2017, , .		1
34	Multivariable adaptive fuzzy control for nonlinear building-MR damper systems. , 2003, 5057, 236.		0
35	Semi-active flutter control of a high-aspect-ratio wing using multiple MR dampers. , 2007, 6529, 459.		0
36	Localization of damage and restoration of dynamic characteristics using distributed control. , 2007, , .		0

#	Article	IF	Citations
37	Robust adaptive fuzzy controller for a class of non-affine nonlinear systems. , 2008, , .		0
38	Robust adaptive neural control for strict-feedback nonlinear systems. , 2008, , .		0
39	Comparison of various structural damage tracking techniques with unknown excitations based on experimental data. Proceedings of SPIE, 2009, , .	0.8	0
40	Experimental verifications of a structural damage identification technique using reduced order finite-element model. Proceedings of SPIE, 2010, , .	0.8	0
41	An experimental study on AEKF method for health monitoring of base-isolated structures. Proceedings of SPIE, 2010, , .	0.8	0
42	A statistical approach of fatigue crack detection for a structural hotspot. Proceedings of SPIE, 2012, , .	0.8	0
43	Modeling of PZT-induced Lamb wave propagation in structures by using a novel two-layer spectral finite element. , 2016, , .		0
44	Fatigue crack monitoring of aerospace structure based on binary tree support vector machines. , 2017, , .		0
45	Parameter influence on tensile properties of scarf-repaired composite laminates. Proceedings of SPIE, 2017, , .	0.8	0
46	Design and analysis of compound flexible skin based on deformable honeycomb. , 2017, , .		0
47	Real-time flutter boundary prediction based on time series models. , 2018, , .		0
48	Real-time flutter boundary prediction using peak-hold method. , 2018, , .		0
49	An approach of identifying the parameters of IMFs based on PLF. , 2019, , .		0
50	Design and analysis of flexible skin based on zero Poisson's ratio hybrid honeycomb. , 2019, , .		0