Xinqun Zhu

List of Publications by Citations

Source: https://exaly.com/author-pdf/40212/xinqun-zhu-publications-by-citations.pdf

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

118
papers2,605
citations29
h-index46
g-index131
ext. papers3,152
ext. citations3.3
avg, IF5.55
L-index

#	Paper	IF	Citations
118	Wavelet-based crack identification of bridge beam from operational deflection time history. International Journal of Solids and Structures, 2006, 43, 2299-2317	3.1	166
117	Bridge dynamic responses due to road surface roughness and braking of vehicle. <i>Journal of Sound and Vibration</i> , 2005 , 282, 805-830	3.9	98
116	Structural damage detection from wavelet packet sensitivity. <i>Engineering Structures</i> , 2005 , 27, 1339-13	4 <u>ዪ</u> .႗	89
115	Dynamic behavior of damaged concrete bridge structures under moving vehicular loads. <i>Engineering Structures</i> , 2004 , 26, 1279-1293	4.7	85
114	Innovative Bridge Condition Assessment from Dynamic Response of a Passing Vehicle. <i>Journal of Engineering Mechanics - ASCE</i> , 2006 , 132, 1372-1379	2.4	83
113	Guided wave propagation and spectral element method for debonding damage assessment in RC structures. <i>Journal of Sound and Vibration</i> , 2009 , 324, 751-772	3.9	79
112	Vehicle axle loads identification using finite element method. <i>Engineering Structures</i> , 2004 , 26, 1143-11	5 43.7	79
111	Structural Health Monitoring Based on Vehicle-Bridge Interaction: Accomplishments and Challenges. <i>Advances in Structural Engineering</i> , 2015 , 18, 1999-2015	1.9	71
110	Time-varying wind load identification from structural responses. <i>Engineering Structures</i> , 2005 , 27, 1586-	·1 <u>Б</u> 98	66
109	Time-varying system identification using a newly improved HHT algorithm. <i>Computers and Structures</i> , 2009 , 87, 1611-1623	4.5	65
108	DYNAMIC LOAD ON CONTINUOUS MULTI-LANE BRIDGE DECK FROM MOVING VEHICLES. <i>Journal of Sound and Vibration</i> , 2002 , 251, 697-716	3.9	63
107	Damage Detection in Simply Supported Concrete Bridge Structure Under Moving Vehicular Loads. Journal of Vibration and Acoustics, Transactions of the ASME, 2007 , 129, 58-65	1.6	59
106	Regularization in Moving Force Identification. <i>Journal of Engineering Mechanics - ASCE</i> , 2001 , 127, 136-1	48 4	57
105	ORTHOGONAL FUNCTION IN MOVING LOADS IDENTIFICATION ON A MULTI-SPAN BRIDGE. <i>Journal of Sound and Vibration</i> , 2001 , 245, 329-345	3.9	56
104	Flexural behaviour of composite steelloncrete beams utilising blind bolt shear connectors. <i>Engineering Structures</i> , 2016 , 114, 181-194	4.7	54
103	MOVING FORCES IDENTIFICATION ON A MULTI-SPAN CONTINUOUS BRIDGE. <i>Journal of Sound and Vibration</i> , 1999 , 228, 377-396	3.9	54
102	Explicit form of an implicit method for inverse force identification. <i>Journal of Sound and Vibration</i> , 2014 , 333, 730-744	3.9	51

(2017-2006)

Moving load identification on multi-span continuous bridges with elastic bearings. <i>Mechanical Systems and Signal Processing</i> , 2006 , 20, 1759-1782	7.8	50	
Recent developments in inverse problems of vehicle B ridge interaction dynamics. <i>Journal of Civil Structural Health Monitoring</i> , 2016 , 6, 107-128	2.9	49	
IDENTIFICATION OF VEHICLE AXLE LOADS FROM BRIDGE DYNAMIC RESPONSES. <i>Journal of Sound and Vibration</i> , 2000 , 236, 705-724	3.9	44	
STUDY ON DIFFERENT BEAM MODELS IN MOVING FORCE IDENTIFICATION. <i>Journal of Sound and Vibration</i> , 2000 , 234, 661-679	3.9	43	
Moving Loads Identification Through Regularization. <i>Journal of Engineering Mechanics - ASCE</i> , 2002 , 128, 989-1000	2.4	42	
Evaluation of dynamic vehicle axle loads on bridges with different surface conditions. <i>Journal of Sound and Vibration</i> , 2009 , 323, 826-848	3.9	40	
Moving load identification on a simply supported orthotropic plate. <i>International Journal of Mechanical Sciences</i> , 2007 , 49, 1262-1275	5.5	38	
Indirect bridge modal parameters identification with one stationary and one moving sensors and stochastic subspace identification. <i>Journal of Sound and Vibration</i> , 2019 , 446, 1-21	3.9	37	
Condition Assessment of Shear Connectors in Slab-Girder Bridges via Vibration Measurements. <i>Journal of Bridge Engineering</i> , 2008 , 13, 43-54	2.7	36	
Dynamic Behavior of Orthotropic Rectangular Plates under Moving Loads. <i>Journal of Engineering Mechanics - ASCE</i> , 2003 , 129, 79-87	2.4	32	
Detection of delamination between steel bars and concrete using embedded piezoelectric actuators/sensors. <i>Journal of Civil Structural Health Monitoring</i> , 2013 , 3, 105-115	2.9	31	
PRACTICAL ASPECTS IN MOVING LOAD IDENTIFICATION. Journal of Sound and Vibration, 2002, 258, 12	23-31. 4 6	30	
Time-dependent behaviour of composite beams with blind bolts under sustained loads. <i>Journal of Constructional Steel Research</i> , 2015 , 112, 196-207	3.8	29	
Compressive sensing for efficient health monitoring and effective damage detection of structures. <i>Mechanical Systems and Signal Processing</i> , 2017 , 84, 414-430	7.8	28	
Measurement System With Accelerometer Integrated RFID Tag for Infrastructure Health Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 1163-1171	5.2	27	
Singular spectrum analysis for enhancing the sensitivity in structural damage detection. <i>Journal of Sound and Vibration</i> , 2014 , 333, 392-417	3.9	26	
Crack identification of functionally graded beams using continuous wavelet transform. <i>Composite Structures</i> , 2019 , 210, 473-485	5.3	26	
Non-intrusive schemes for speed and axle identification in bridge-weigh-in-motion systems. <i>Measurement Science and Technology</i> , 2017 , 28, 025102	2	23	
	Recent developments in inverse problems of vehicleBridge interaction dynamics. Journal of Civil Structural Health Monitoring, 2016, 6, 107-128 IDENTIFICATION OF VEHICLE AXLE LOADS FROM BRIDGE DYNAMIC RESPONSES. Journal of Sound and Vibration, 2000, 236, 705-724 STUDY ON DIFFERENT BEAM MODELS IN MOVING FORCE IDENTIFICATION. Journal of Sound and Vibration, 2000, 234, 661-679 Moving Loads Identification Through Regularization. Journal of Engineering Mechanics - ASCE, 2002, 128, 989-1000 Evaluation of dynamic vehicle axle loads on bridges with different surface conditions. Journal of Sound and Vibration, 2009, 323, 826-848 Moving load identification on a simply supported orthotropic plate. International Journal of Mechanical Sciences, 2007, 49, 1262-1275 Indirect bridge modal parameters identification with one stationary and one moving sensors and stochastic subspace identification. Journal of Sound and Vibration, 2019, 446, 1-21 Condition Assessment of Shear Connectors in Slab-Girder Bridges via Vibration Measurements. Journal of Bridge Engineering, 2008, 13, 43-54 Dynamic Behavior of Orthotropic Rectangular Plates under Moving Loads. Journal of Engineering Mechanics - ASCE, 2003, 129, 79-87 Detection of delamination between steel bars and concrete using embedded piezoelectric actuators/sensors. Journal of Civil Structural Health Monitoring, 2013, 3, 105-115 PRACTICAL ASPECTS IN MOVING LOAD IDENTIFICATION. Journal of Sound and Vibration, 2002, 258, 12 Time-dependent behaviour of composite beams with blind bolts under sustained loads. Journal of Constructional Steel Research, 2015, 112, 196-207 Compressive sensing for efficient health monitoring and effective damage detection of structures. Mechanical Systems and Signal Processing, 2017, 84, 414-430 Measurement System With Accelerometer Integrated RFID Tag for Infrastructure Health Monitoring, IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1163-1171 Singular spectrum analysis for enhancing the sensitivity in structural damage detectio	Recent developments in inverse problems of vehicleBridge interaction dynamics. Journal of Civil Structural Health Monitoring, 2016, 6, 107-128 Recent developments in inverse problems of vehicleBridge interaction dynamics. Journal of Civil Structural Health Monitoring, 2016, 6, 107-128 JENTIFICATION OF VEHICLE AXLE LOADS FROM BRIDGE DYNAMIC RESPONSES. Journal of Sound and Vibration, 2000, 236, 705-724 STUDY ON DIFFERENT BEAM MODELS IN MOVING FORCE IDENTIFICATION. Journal of Sound and Vibration, 2000, 234, 661-679 Moving Loads Identification Through Regularization. Journal of Engineering Mechanics - ASCE, 2002, 124, 188, 989-1000 Evaluation of dynamic vehicle axle loads on bridges with different surface conditions. Journal of Sound and Vibration, 2009, 323, 826-848 Moving load identification on a simply supported orthotropic plate. International Journal of Mechanical Sciences, 2007, 49, 1262-1275 Indirect bridge modal parameters identification with one stationary and one moving sensors and stochastic subspace identification. Journal of Sound and Vibration, 2019, 446, 1-21 Condition Assessment of Shear Connectors in Slab-Girder Bridges via Vibration Measurements. Journal of Bridge Engineering, 2008, 13, 43-54 Dynamic Behavior of Orthotropic Rectangular Plates under Moving Loads. Journal of Engineering Mechanics - ASCE, 2003, 129, 79-87 Detection of delamination between steel bars and concrete using embedded piezoelectric actuators/sensors. Journal of Civil Structural Health Monitoring, 2013, 3, 105-115 PRACTICAL ASPECTS IN MOVING LOAD IDENTIFICATION. Journal of Sound and Vibration, 2002, 258, 123-496 Time-dependent behaviour of composite beams with blind bolts under sustained loads. Journal of Constructional Steel Research, 2015, 112, 196-207 Compressive sensing for efficient health monitoring and effective damage detection of structures. Mechanical Systems and Signal Processing, 2017, 84, 414-430 Measurement Systems with Accelerometer Integrated RFID Tag for Infrastructure Health Monitoring. IEEE Tr	Systems and Signal Processing, 2006, 20, 1759-1782 Recent developments in inverse problems of vehicleBridge interaction dynamics. Journal of Civil Structural Health Monitoring, 2016, 6, 107-128 Recent developments in inverse problems of vehicleBridge interaction dynamics. Journal of Civil Structural Health Monitoring, 2016, 6, 107-128 39 44 IDENTIFICATION OF VEHICLE AXLE LOADS FROM BRIDGE DYNAMIC RESPONSES. Journal of Sound and Vibration, 2000, 236, 705-724 STUDY ON DIFFERENT BEAM MODELS IN MOVING FORCE IDENTIFICATION. Journal of Sound and Wibration, 2000, 234, 661-679 Moving Loads Identification Through Regularization. Journal of Engineering Mechanics - ASCE, 2002, 128, 989-1000 Evaluation of dynamic vehicle axle loads on bridges with different surface conditions. Journal of Sound and Vibration, 2009, 323, 826-848 Moving load identification on a simply supported orthotropic plate. International Journal of Mechanics Sciences, 2007, 49, 1262-1275 55 38 Indirect bridge modal parameters identification with one stationary and one moving sensors and stochastic subspace identification. Journal of Sound and Vibration, 2019, 446, 1-21 Condition Assessment of Shear Connectors in Slab-Girder Bridges via Vibration Measurements. 27 36 Dynamic Behavior of Orthotropic Rectangular Plates under Moving Loads. Journal of Engineering Mechanics - ASCE, 2003, 129, 79-87 Detection of delamination between steel bars and concrete using embedded piezoelectric actuators/sensors. Journal of Civil Structural Health Monitoring, 2013, 3, 105-115 29 31 PRACTICAL ASPECTS IN MOVING LOAD IDENTIFICATION. Journal of Sound and Vibration, 2002, 258, 123-966 Time-dependent behaviour of composite beams with blind bolts under sustained loads. Journal of Constructional Steel Research, 2015, 112, 196-207 Compressive sensing for efficient health monitoring and effective damage detection of structures. 78 28 Measurement Systems and Signal Processing, 2017, 84, 414-430 Measurement System with Accelerometer Integrated RFID Tag for

83	Dynamic behaviour of steeldoncrete composite beams with different types of shear connectors. Part I: Experimental study. <i>Engineering Structures</i> , 2015 , 103, 298-307	4.7	21
82	Time-varying characteristics of bridges under the passage of vehicles using synchroextracting transform. <i>Mechanical Systems and Signal Processing</i> , 2020 , 140, 106727	7.8	21
81	Damage identification of supporting structures with a moving sensory system. <i>Journal of Sound and Vibration</i> , 2018 , 415, 111-127	3.9	21
80	Strengthening of existing composite steel-concrete beams utilising bolted shear connectors and welded studs. <i>Journal of Constructional Steel Research</i> , 2015 , 114, 417-430	3.8	20
79	Multifunctional cementitious composites with integrated self-sensing and hydrophobic capacities toward smart structural health monitoring. <i>Cement and Concrete Composites</i> , 2021 , 118, 103962	8.6	20
78	DYNAMIC ASSESSMENT OF UNDERWATER PIPELINE SYSTEMS USING STATISTICAL MODEL UPDATING. International Journal of Structural Stability and Dynamics, 2008 , 08, 271-297	1.9	19
77	A multi-way data analysis approach for structural health monitoring of a cable-stayed bridge. <i>Structural Health Monitoring</i> , 2019 , 18, 35-48	4.4	19
76	Vehicle Condition Surveillance on Continuous Bridges Based on Response Sensitivity. <i>Journal of Engineering Mechanics - ASCE</i> , 2006 , 132, 78-86	2.4	18
75	Identification of Moving Loads on an Orthotropic Plate. <i>Journal of Vibration and Acoustics, Transactions of the ASME,</i> 2001 , 123, 238-244	1.6	18
74	Spectral Element Model Updating for Damage Identification Using Clonal Selection Algorithm. <i>Advances in Structural Engineering</i> , 2011 , 14, 837-856	1.9	16
73	DAMAGE DETECTION OF RC SLABS USING NONLINEAR VIBRATION FEATURES. <i>International Journal of Structural Stability and Dynamics</i> , 2009 , 09, 687-709	1.9	16
72	Connection stiffness identification of historic timber buildings using Temperature-based sensitivity analysis. <i>Engineering Structures</i> , 2017 , 131, 180-191	4.7	15
71	A State Space Formulation for Moving Loads Identification. <i>Journal of Vibration and Acoustics, Transactions of the ASME,</i> 2006 , 128, 509-520	1.6	15
70	Time Domain Identification of Moving Loads on Bridge Deck. <i>Journal of Vibration and Acoustics, Transactions of the ASME,</i> 2003 , 125, 187-198	1.6	15
69	Wind characteristics of Typhoon Dujuan as measured at a 50m guyed mast. Wind and Structures, an International Journal, 2006, 9, 387-396		15
68	Parametric study and equation of the maximum SCF for concrete filled steel tubular T-joints under axial tension. <i>Thin-Walled Structures</i> , 2018 , 129, 145-156	4.7	14
67	Spectral Element Modelling of Wave Propagation with Boundary and Structural Discontinuity Reflections. <i>Advances in Structural Engineering</i> , 2012 , 15, 855-870	1.9	14
66	IDENTIFICATION OF MOVING INTERACTION FORCES WITH INCOMPLETE VELOCITY INFORMATION. Mechanical Systems and Signal Processing, 2003, 17, 1349-1366	7.8	14

(2015-2016)

65	Bolted and welded connectors for the rehabilitation of composite beams. <i>Journal of Constructional Steel Research</i> , 2016 , 125, 61-73	3.8	14	
64	Dynamic behaviour of steel-concrete composite beams retrofitted with various bolted shear connectors. <i>Engineering Structures</i> , 2017 , 131, 115-135	4.7	13	
63	Nonlinear Characteristics of Damaged Reinforced Concrete Beam from Hilbert-Huang Transform. Journal of Structural Engineering, 2007 , 133, 1186-1191	3	13	
62	Nonlinear Characteristics of Damaged Concrete Structures under Vehicular Load. <i>Journal of Structural Engineering</i> , 2005 , 131, 1277-1285	3	13	
61	Dynamic behaviour of steeldoncrete composite beams with different types of shear connectors. Part II: Modelling and comparison. <i>Engineering Structures</i> , 2015 , 103, 308-317	4.7	12	
60	Statistical Damage Sensitive Feature for Structural Damage Detection Using AR Model Coefficients. <i>Advances in Structural Engineering</i> , 2015 , 18, 1551-1562	1.9	12	
59	A concreteBteel interface element for damage detection of reinforced concrete structures. <i>Engineering Structures</i> , 2007 , 29, 3515-3524	4.7	12	
58	Damage assessment of reinforced concrete beams including the load environment. <i>Structural Engineering and Mechanics</i> , 2009 , 33, 765-779		12	
57	Debonding detection in a carbon fibre reinforced concrete structure using guided waves. <i>Smart Materials and Structures</i> , 2019 , 28, 045020	3.4	11	
56	Dynamic axle and wheel loads identification: laboratory studies. <i>Journal of Sound and Vibration</i> , 2003 , 268, 855-879	3.9	11	
55	Characterization of carbon fiber reinforced polymer strengthened concrete and gap detection with a piezoelectric-based sensory technique. <i>Structural Health Monitoring</i> , 2019 , 18, 172-179	4.4	11	
54	A Two-Step Drive-By Bridge Damage Detection Using Dual Kalman Filter. <i>International Journal of Structural Stability and Dynamics</i> , 2020 , 20, 2042006	1.9	10	
53	Drive-By Blind Modal Identification with Singular Spectrum Analysis. <i>Journal of Aerospace Engineering</i> , 2019 , 32, 04019050	1.4	9	
52	Statistical damage classification method based on wavelet packet analysis. <i>Structural Engineering and Mechanics</i> , 2013 , 46, 459-486		9	
51	EXPERIMENTAL STRESS CONCENTRATION FACTOR IN CONCRETE-FILLED STEEL TUBULAR T-JOINTS. <i>Journal of Constructional Steel Research</i> , 2018 , 150, 442-451	3.8	9	
50	Damage identification of steel-concrete composite beams based on modal strain energy changes through general regression neural network. <i>Engineering Structures</i> , 2021 , 244, 112824	4.7	9	
49	Bilinear connection stiffness identification of heritage timber buildings with limited strain measurements. <i>Engineering Structures</i> , 2017 , 151, 665-681	4.7	8	
48	Substructural Condition Assessment Based on Force Identification and Interface Force Sensitivity. International Journal of Structural Stability and Dynamics, 2015, 15, 1450046	1.9	8	

47	Seismic performance analysis of a large-scale single-layer lattice dome with a hybrid three-directional seismic isolation system. <i>Engineering Structures</i> , 2020 , 214, 110627	4.7	8
46	Design and Experimental Investigations of a Vibration Based Wireless Measurement System for Bridge Cable Tension Monitoring. <i>Advances in Structural Engineering</i> , 2014 , 17, 1657-1668	1.9	8
45	Condition assessment of heritage timber buildings in operational environments. <i>Journal of Civil Structural Health Monitoring</i> , 2017 , 7, 505-516	2.9	8
44	Identification of de-bonding between steel bars and concrete using wavelet techniques: Comparative study. <i>Australian Journal of Structural Engineering</i> , 2013 , 14,	1.4	8
43	Comprehensive Study of Moving Load Identification on Bridge Structures Using the Explicit Form of Newmark-IMethod: Numerical and Experimental Studies. <i>Remote Sensing</i> , 2021 , 13, 2291	5	8
42	Time-Varying Parameter Identification of Bridges Subject to Moving Vehicles Using Ridge Extraction Based on Empirical Wavelet Transform. <i>International Journal of Structural Stability and Dynamics</i> , 2021 , 21, 2150046	1.9	8
41	Response analysis of piezoelectric shells in plane strain under random excitations. <i>Acta Mechanica Solida Sinica</i> , 2009 , 22, 152-160	2	7
40	Dynamic Assessment of Shear Connection Conditions in Slab-Girder Bridges by Kullback-Leibler Distance. <i>Advances in Structural Engineering</i> , 2012 , 15, 771-780	1.9	7
39	Identification of Railway Ballasted Track Systems from Dynamic Responses of In-Service Trains. <i>Journal of Aerospace Engineering</i> , 2018 , 31, 04018060	1.4	7
38	Nothing-on-Road Axle Detection Strategies in Bridge-Weigh-in-Motion for a Cable-Stayed Bridge: Case Study. <i>Journal of Bridge Engineering</i> , 2018 , 23, 05018006	2.7	7
37	Vibrational power flow analysis of cracked functionally graded beams. <i>Thin-Walled Structures</i> , 2020 , 150, 106626	4.7	6
36	A hybrid approach for parameter optimization of multiple tuned mass dampers in reducing floor vibrations due to occupant walking: Theory and parametric studies. <i>Advances in Structural Engineering</i> , 2017 , 20, 1232-1246	1.9	5
35	Free vibration and damage identification of cracked functionally graded plates. <i>Composite Structures</i> , 2020 , 250, 112517	5.3	5
34	System parameter identification from projection of inverse analysis. <i>Journal of Sound and Vibration</i> , 2017 , 396, 83-107	3.9	4
33	Development of an integrated structural health monitoring system for bridge structures in operational conditions. <i>Frontiers of Structural and Civil Engineering</i> , 2012 , 6, 321	2.5	4
32	Damaged cable identification in cable-stayed bridge from bridge deck strain measurements using support vector machine. <i>Advances in Structural Engineering</i> ,136943322110499	1.9	4
31	Nonlinear dynamic analysis method for large-scale single-layer lattice domes with uncertain-but-bounded parameters. <i>Engineering Structures</i> , 2020 , 203, 109780	4.7	4
30	A Steel-Concrete Composite Beam Element for Structural Damage Identification. <i>International Journal of Structural Stability and Dynamics</i> , 2020 , 20, 2042015	1.9	4

(2007-2019)

29	Displacement-dependent nonlinear damping model in steel buildings with bolted joints. <i>Advances in Structural Engineering</i> , 2019 , 22, 1049-1061	1.9	4
28	. IEEE Sensors Journal, 2019 , 19, 12389-12397	4	3
27	An Experimental Study on Damage Detection of Concrete Structures Using Decentralized Algorithms. <i>Advances in Structural Engineering</i> , 2013 , 16, 33-50	1.9	3
26	Response prediction of a 50 m guyed mast under typhoon conditions. <i>Wind and Structures, an International Journal</i> , 2006 , 9, 397-412		3
25	Damage detection of circular cylindrical shells by Ritz method. <i>Journal of Physics: Conference Series</i> , 2011 , 305, 012117	0.3	2
24	Experimental study on Statistical Damage Detection of RC Structures based on Wavelet Packet Analysis. <i>Journal of Physics: Conference Series</i> , 2011 , 305, 012107	0.3	2
23	Aerodynamic flutter and limit cycle analysis for a 2-D wing with pitching freeplay in the supersonic flow 2010 ,		2
22	A Novel Slip Sensory System for Interfacial Condition Monitoring of Steel-Concrete Composite Bridges. <i>Remote Sensing</i> , 2021 , 13, 3377	5	2
21	Structural damage detection using theWiener filter 2012 , 915-920		2
20	Dynamic field monitoring data analysis of an ancient wooden building in seismic and operational environments. <i>Earthquake and Structures</i> , 2016 , 11, 1043-1060		2
19	Fatigue behaviour of concrete-filled steel tubular joints - a review. <i>International Journal of Lifecycle Performance Engineering</i> , 2016 , 2, 22	0.3	2
18	A layered beam element for modeling de-bonding of steel bars in concrete and its detection using static measurements. <i>Structural Control and Health Monitoring</i> , 2018 , 25, e2142	4.5	1
17	Sensitivity Enhancement for Structural Condition Assessment with Noisy Excitation or with Only Output. <i>International Journal of Structural Stability and Dynamics</i> , 2015 , 15, 1450083	1.9	1
16	Compressive Sensing for Structural Damage Detection of Reinforced Concrete Structures. <i>Key Engineering Materials</i> , 2013 , 569-570, 742-750	0.4	1
15	Damage detection of reinforced concrete structures based on the Wiener Filter. <i>Australian Journal of Structural Engineering</i> , 2013 , 14,	1.4	1
14	A Bonding Damage Detection Method with Force-Based Beam Element. <i>Procedia Engineering</i> , 2011 , 14, 1174-1182		1
13	An experimental study on distributed damage detection algorithms for structural health monitoring. <i>Journal of Physics: Conference Series</i> , 2011 , 305, 012068	0.3	1
12	Characterization of the Core Properties of a Shock Absorbing Composite. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2007 , 129, 497-504	1.8	1

11	Dynamic assessment of undersea pipeline bedding condition 2007 ,		1	
10	An experimental study for decentralized damage detection of beam structures using wireless sensor networks. <i>Structural Monitoring and Maintenance</i> , 2015 , 2, 237-252		1	
9	A Hybrid Approach for the Dynamic Instability Analysis of Single-Layer Latticed Domes with Uncertainties. <i>International Journal of Structural Stability and Dynamics</i> , 2021 , 21, 2150082	1.9	1	
8	Stochastic uncertainty quantification of seismic performance of complex large-scale structures using response spectrum method. <i>Engineering Structures</i> , 2021 , 235, 112096	4.7	1	
7	Exact Dynamic Characteristic Analysis of Steel-Concrete Composite Continuous Beams. <i>Shock and Vibration</i> , 2021 , 2021, 1-13	1.1	1	
6	Bridge modal identification based on successive variational mode decomposition using a moving test vehicle. <i>Advances in Structural Engineering</i> ,136943322210926	1.9	1	
5	Some special phenomena and preliminary interpretations about measured strain signals from high-speed impact tests. <i>International Journal of Structural Engineering</i> , 2012 , 3, 48	0.9	0	
4	Structural dynamic reliability analysis of super large-scale lattice domes during earthquakes using the stochastic finite element method. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 153, 107076	3.5	O	
3	Simultaneous Identification of Bridge Structural Damage and Moving Loads Using the Explicit Form of Newmark-IMethod: Numerical and Experimental Studies. <i>Remote Sensing</i> , 2022 , 14, 119	5	0	
2	VIBRATION OF A BEAM WITH A BREATHING CRACK SUBJECT TO MOVING MASS 2006 , 1963-1968			
1	Nonlinear Connection Stiffness Identification of Heritage Timber Buildings Using a Temperature-Driven Multi-Model Approach. <i>International Journal of Structural Stability and Dynamics</i> , 2020 , 20, 2042001	1.9		