Yong Xia

List of Publications by Year
in descending order

		61857	82410
186	6,467	43	72
papers	citations	h-index	g-index

189	189	189	3226
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Technology innovation in developing the structural health monitoring system for Guangzhou New TV Tower. Structural Control and Health Monitoring, 2009, 16, 73-98.	1.9	308
2	Long term vibration monitoring of an RC slab: Temperature and humidity effect. Engineering Structures, 2006, 28, 441-452.	2.6	274
3	Review on the new development of vibration-based damage identification for civil engineering structures: 2010â€“2019. Journal of Sound and Vibration, 2021, 491, 115741.	2.1	248
4	Civil structure condition assessment by FE model updating:. Finite Elements in Analysis and Design, 2001, 37, 761-775.	1.7	242
5	Temperature effect on vibration properties of civil structures: a literature review and case studies. Journal of Civil Structural Health Monitoring, 2012, 2, 29-46.	2.0	224
6	Vibration-based Damage Detection of Structures by Genetic Algorithm. Journal of Computing in Civil Engineering, 2002, 16, 222-229.	2.5	218
7	Damage of cells and battery packs due to ground impact. Journal of Power Sources, 2014, 267, 78-97.	4.0	197
8	Field monitoring and numerical analysis of Tsing Ma Suspension Bridge temperature behavior. Structural Control and Health Monitoring, 2013, 20, 560-575.	1.9	168
9	Statistical damage identification of structures with frequency changes. Journal of Sound and Vibration, 2003, 263, 853-870.	2.1	156
10	Damage identification of structures with uncertain frequency and mode shape data. Earthquake Engineering and Structural Dynamics, 2002, 31, 1053-1066.	2.5	130
11	Theoretical and experimental modal analysis of the Guangzhou New TV Tower. Engineering Structures, 2011, 33, 3628-3646.	2.6	111
12	Temperature Analysis of a Long-Span Suspension Bridge Based on Field Monitoring and Numerical Simulation. Journal of Bridge Engineering, 2016, 21, .	1.4	97
13	Mechanical damage in a lithium-ion pouch cell under indentation loads. Journal of Power Sources, 2017, 357, 61-70.	4.0	91
14	Variation of structural vibration characteristics versus non-uniform temperature distribution. Engineering Structures, 2011, 33, 146-153.	2.6	88
15	Failure behaviours of 100% SOC lithium-ion battery modules under different impact loading conditions. Engineering Failure Analysis, 2017, 82, 149-160.	1.8	84
16	Health Checks through Landmark Bridges to Sky-High Structures. Advances in Structural Engineering, 2011, 14, 103-119.	1.2	83
17	Substructure based approach to finite element model updating. Computers and Structures, 2011, 89, 772-782.	2.4	81
18	Structural damage detection based onl₁regularization using natural frequencies and mode shapes. Structural Control and Health Monitoring, 2018, 25, e2107.	1.9	81

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19	Hybrid reliability analysis of structures with multi-source uncertainties. Acta Mechanica, 2014, 225, 413-430.	1.1	78
20	L₁ regularization approach to structural damage detection using frequency data. Structural Health Monitoring, 2015, 14, 571-582.	4.3	75
21	Deformation monitoring of a super-tall structure using real-time strain data. Engineering Structures, 2014, 67, 29-38.	2.6	74
22	Selection of regularization parameter for l1-regularized damage detection. Journal of Sound and Vibration, 2018, 423, 141-160.	2.1	72
23	Comparative study of mechanical-electrical-thermal responses of pouch, cylindrical, and prismatic lithium-ion cells under mechanical abuse. Science China Technological Sciences, 2018, 61, 1472-1482.	2.0	69
24	Long-term structural performance monitoring system for the Shanghai Tower. Journal of Civil Structural Health Monitoring, 2013, 3, 49-61.	2.0	67
25	Stress Development of a Supertall Structure during Construction: Field Monitoring and Numerical Analysis. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 542-559.	6.3	66
26	Fatigue analysis of long-span suspension bridges under multiple loading: Case study. Engineering Structures, 2011, 33, 3246-3256.	2.6	65
27	Explicit form of an implicit method for inverse force identification. Journal of Sound and Vibration, 2014, 333, 730-744.	2.1	62
28	State-of-Charge Dependence of Mechanical Response of Lithium-Ion Batteries: A Result of Internal Stress. Journal of the Electrochemical Society, 2018, 165, A1537-A1546.	1.3	61
29	Experiments and 3D detailed modeling for a pouch battery cell under impact loading. Journal of Energy Storage, 2020, 27, 101016.	3.9	61
30	Timeâ€varying system identification using variational mode decomposition. Structural Control and Health Monitoring, 2018, 25, e2175.	1.9	60
31	Mechanism of strengthening of battery resistance under dynamic loading. International Journal of Impact Engineering, 2019, 131, 78-84.	2.4	54
32	Damage detection using the eigenparameter decomposition of substructural flexibility matrix. Mechanical Systems and Signal Processing, 2013, 34, 19-38.	4.4	53
33	Using polynomial chaos expansion for uncertainty and sensitivity analysis of bridge structures. Mechanical Systems and Signal Processing, 2019, 119, 293-311.	4.4	53
34	An iterative substructuring approach to the calculation of eigensolution and eigensensitivity. Journal of Sound and Vibration, 2011, 330, 3368-3380.	2.1	52
35	Auto-Parametric Vibration of a Cable-Stayed-Beam Structure under Random Excitation. Journal of Engineering Mechanics - ASCE, 2006, 132, 279-286.	1.6	50
36	A new iterative order reduction(IOR) method for eigensolutions of large structures. International Journal for Numerical Methods in Engineering, 2004, 59, 153-172.	1.5	48

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37	Inverse substructure method for model updating of structures. Journal of Sound and Vibration, 2012, 331, 5449-5468.	2.1	48
38	Excitation mechanism of rainâ€“wind induced cable vibration in a wind tunnel. Journal of Fluids and Structures, 2017, 68, 32-47.	1.5	48
39	Adhesion strength of the cathode in lithium-ion batteries under combined tension/shear loadings. RSC Advances, 2018, 8, 3996-4005.	1.7	48
40	Improved substructuring method for eigensolutions of large-scale structures. Journal of Sound and Vibration, 2009, 323, 718-736.	2.1	46
41	Solution-processed solar-blind deep ultraviolet photodetectors based on strongly quantum confined ZnS quantum dots. Journal of Materials Chemistry C, 2018, 6, 11266-11271.	2.7	46
42	MEASUREMENT SELECTION FOR VIBRATION-BASED STRUCTURAL DAMAGE IDENTIFICATION. Journal of Sound and Vibration, 2000, 236, 89-104.	2.1	45
43	Improvement on the iterated IRS method for structural eigensolutions. Journal of Sound and Vibration, 2004, 270, 713-727.	2.1	45
44	Condition Assessment of Shear Connectors in Slab-Girder Bridges via Vibration Measurements. Journal of Bridge Engineering, 2008, 13, 43-54.	1.4	45
45	Colloidal synthesis of lead-free all-inorganic cesium bismuth bromide perovskite nanoplatelets. CrystEngComm, 2018, 20, 7473-7478.	1.3	44
46	Singular spectrum analysis for enhancing the sensitivity in structural damage detection. Journal of Sound and Vibration, 2014, 333, 392-417.	2.1	43
47	Genetic algorithm based optimal sensor placement forL₁-regularized damage detection. Structural Control and Health Monitoring, 2019, 26, e2274.	1.9	42
48	Dynamic assessment of shear connectors in slabâ€“girder bridges. Engineering Structures, 2007, 29, 1475-1486.	2.6	41
49	DAMAGE DETECTION OF SHEAR CONNECTORS IN BRIDGE STRUCTURES WITH TRANSMISSIBILITY IN FREQUENCY DOMAIN. International Journal of Structural Stability and Dynamics, 2014, 14, 1350061.	1.5	41
50	Damage Identification of Shear Connectors with Wavelet Packet Energy: Laboratory Test Study. Journal of Structural Engineering, 2008, 134, 832-841.	1.7	40
51	Experimental Investigation on Statistical Moment-based Structural Damage Detection Method. Structural Health Monitoring, 2009, 8, 555-571.	4.3	39
52	Dynamic condensation approach to calculation of structural responses and response sensitivities. Mechanical Systems and Signal Processing, 2017, 88, 302-317.	4.4	39
53	A review on dynamic substructuring methods for model updating and damage detection of large-scale structures. Advances in Structural Engineering, 2020, 23, 584-600.	1.2	39
54	A new statistical moment-based structural damage detection method. Structural Engineering and Mechanics, 2008, 30, 445-466.	1.0	39

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55	Design and verification of a strain gauge based load sensor for medium-speed dynamic tests with a hydraulic test machine. International Journal of Impact Engineering, 2016, 88, 139-152.	2.4	37
56	Condition analysis of expansion joints of a longâ€span suspension bridge through metamodelâ€based model updating considering thermal effect. Structural Control and Health Monitoring, 2020, 27, e2521.	1.9	36
57	Hysteretic behaviour of tubular T-joints reinforced with doubler plates after fire exposure. Thin-Walled Structures, 2015, 92, 10-20.	2.7	35
58	Substructuring approach to the calculation of higher-order eigensensitivity. Computers and Structures, 2013, 117, 23-33.	2.4	34
59	Verification of a multiple-machine program for material testing from quasi-static to high strain-rate. International Journal of Impact Engineering, 2015, 86, 284-294.	2.4	34
60	Review on field monitoring of highâ€rise structures. Structural Control and Health Monitoring, 2020, 27, e2629.	1.9	34
61	Multi-rate data fusion for dynamic displacement measurement of beam-like supertall structures using acceleration and strain sensors. Structural Health Monitoring, 2020, 19, 520-536.	4.3	33
62	Analytical solution to temperature-induced deformation of suspension bridges. Mechanical Systems and Signal Processing, 2020, 139, 106568.	4.4	33
63	Structural Damage Detection Using Auto/Cross-Correlation Functions Under Multiple Unknown Excitations. International Journal of Structural Stability and Dynamics, 2014, 14, 1440006.	1.5	32
64	Calculation of eigenvalue and eigenvector derivatives with the improved Kron's substructuring method. Structural Engineering and Mechanics, 2010, 36, 37-55.	1.0	29
65	Sparse Bayesian learning for structural damage detection using expectationâ€“maximization technique. Structural Control and Health Monitoring, 2019, 26, e2343.	1.9	28
66	A new linearization method for quadratic assignment problems. Optimization Methods and Software, 2006, 21, 805-818.	1.6	27
67	Fatigue assessment of multi-loading suspension bridges using continuum damage model. International Journal of Fatigue, 2012, 40, 27-35.	2.8	27
68	Influence of flow rule and calibration approach on plasticity characterization of DP780 steel sheets using Hill48 model. International Journal of Mechanical Sciences, 2014, 89, 148-157.	3.6	26
69	Study on the role of rivulet in rainâ€“wind-induced cable vibration through wind tunnel testing. Journal of Fluids and Structures, 2015, 59, 316-327.	1.5	26
70	Structural damage measure index based on non-probabilistic reliability model. Journal of Sound and Vibration, 2014, 333, 1344-1355.	2.1	25
71	Experimental and Numerical Studies of Debonding Monitoring of FRP Shear-Strengthened Beams Using EMI Technique. Journal of Aerospace Engineering, 2018, 31, .	0.8	25
72	Effect of low-temperature aging on the safety performance of lithium-ion pouch cells under mechanical abuse condition: A comprehensive experimental investigation. Energy Storage Materials, 2021, 40, 268-281.	9.5	25

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73	A new eigensolution of structures via dynamic condensation. Journal of Sound and Vibration, 2003, 266, 93-106.	2.1	24
74	Sparse Bayesian learning for structural damage detection under varying temperature conditions. Mechanical Systems and Signal Processing, 2020, 145, 106965.	4.4	24
75	Improved decentralized structural identification with output-only measurements. Measurement: Journal of the International Measurement Confederation, 2018, 122, 597-610.	2.5	23
76	Structural damage detection based on variational Bayesian inference and delayed rejection adaptive Metropolis algorithm. Structural Health Monitoring, 2021, 20, 1518-1535.	4.3	23
77	Stiffness Assessment through Modal Analysis of an RC Slab Bridge before and after Strengthening. Journal of Bridge Engineering, 2006, 11, 590-601.	1.4	22
78	DATA FUSION-BASED STRUCTURAL DAMAGE DETECTION UNDER VARYING TEMPERATURE CONDITIONS. International Journal of Structural Stability and Dynamics, 2012, 12, 1250052.	1.5	22
79	Testbed for Structural Health Monitoring of Long-Span Suspension Bridges. Journal of Bridge Engineering, 2012, 17, 896-906.	1.4	22
80	Structural damage detection of space frame structures with semi-rigid connections. Engineering Structures, 2021, 235, 112029.	2.6	21
81	Sparse Bayesian factor analysis for structural damage detection under unknown environmental conditions. Mechanical Systems and Signal Processing, 2021, 154, 107563.	4.4	21
82	Effect of State-of-Charge and Air Exposure on Tensile Mechanical Properties of Lithium-Ion Battery Electrodes. Journal of the Electrochemical Society, 2020, 167, 090517.	1.3	20
83	Measurement of rivulet movement on inclined cables during rainâ€“wind induced vibration. Sensors and Actuators A: Physical, 2015, 230, 17-24.	2.0	19
84	Mechanical Behavior of Lithium-Ion Battery Component Materials and Error Sources Analysis for Test Results. SAE International Journal of Materials and Manufacturing, 0, 9, 614-621.	0.3	19
85	Element-by-element model updating of large-scale structures based on component mode synthesis method. Journal of Sound and Vibration, 2016, 362, 72-84.	2.1	19
86	An iterative reduced-order substructuring approach to the calculation of eigensolutions and eigensensitivities. Mechanical Systems and Signal Processing, 2019, 130, 361-377.	4.4	19
87	Role of strain-induced martensitic phase transformation in mechanical response of 304L steel at different strain-rates and temperatures. Journal of Materials Processing Technology, 2020, 280, 116613.	3.1	19
88	Direction-dependent mechanical-electrical-thermal responses of large-format prismatic Li-ion battery under mechanical abuse. Journal of Energy Storage, 2021, 43, 103270.	3.9	19
89	Experimental study on characterizing damage behavior of thermoplastics. Materials & Design, 2013, 44, 199-207.	5.1	18
90	Typhoon- and temperature-induced quasi-static responses of a supertall structure. Engineering Structures, 2017, 143, 91-100.	2.6	18

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91	Development of a high-efficiency modeling technique for weld-bonded steel joints in vehicle structures, Part II: Dynamic experiments and simulations. International Journal of Adhesion and Adhesives, 2009, 29, 427-433.	1.4	17
92	Comparisons between Modal-Parameter-Based and Flexibility-Based Damage Identification Methods. Advances in Structural Engineering, 2013, 16, 1611-1619.	1.2	17
93	Field monitoring and numerical simulation of the thermal actions of a supertall structure. Structural Control and Health Monitoring, 2017, 24, e1900.	1.9	17
94	Integration and evaluation of multiple piezo configurations for optimal health monitoring of reinforced concrete structures. Journal of Intelligent Material Systems and Structures, 2017, 28, 2717-2736.	1.4	17
95	A low-cost version of electro-mechanical impedance technique for damage detection in reinforced concrete structures using multiple piezo configurations. Advances in Structural Engineering, 2017, 20, 1247-1254.	1.2	17
96	Knowledge transfer for structural damage detection through re-weighted adversarial domain adaptation. Mechanical Systems and Signal Processing, 2022, 172, 108991.	4.4	17
97	Sensor Placement for Structural Damage Detection considering Measurement Uncertainties. Advances in Structural Engineering, 2013, 16, 899-907.	1.2	16
98	Dynamic condensation approach to the calculation of eigensensitivity. Computers and Structures, 2014, 132, 55-64.	2.4	16
99	Stochastic dynamic analysis of marine risers considering Gaussian system uncertainties. Journal of Sound and Vibration, 2018, 416, 224-243.	2.1	16
100	Laplace approximation in sparse Bayesian learning for structural damage detection. Mechanical Systems and Signal Processing, 2020, 140, 106701.	4.4	16
101	Impedance-based diagnosis of internal mechanical damage for large-format lithium-ion batteries. Energy, 2021, 230, 120855.	4.5	15
102	Damage assessment of shear connectors with vibration measurements and power spectral density transmissibility. Structural Engineering and Mechanics, 2015, 54, 257-289.	1.0	15
103	Analytical formulation of the temperatureâ€induced deformation of multispan suspension bridges. Structural Control and Health Monitoring, 2022, 29, .	1.9	15
104	Structural damage identification considering uncertainties based on a Jaya algorithm with a local pattern search strategy and L0.5 sparse regularization. Engineering Structures, 2022, 261, 114312.	2.6	15
105	An impedance analysis for crack detection in the Timoshenko beam based on the anti-resonance technique. Acta Mechanica Solida Sinica, 2007, 20, 228-235.	1.0	14
106	Evaluation of Bridge Load Carrying Capacity Using Updated Finite Element Model and Nonlinear Analysis. Advances in Structural Engineering, 2012, 15, 1739-1750.	1.2	13
107	Vibration of Timoshenko beam on hysteretically damped elastic foundation subjected to moving load. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	2.0	13
108	Experimental study on influence of section thickness on mechanical behavior of die-cast AM60 magnesium alloy. Materials & Design, 2012, 38, 124-132.	5.1	12

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109	Settlement Monitoring of a Supertall Building Using the Kalman Filtering Technique and Forward Construction Stage Analysis. Advances in Structural Engineering, 2014, 17, 881-893.	1.2	12
110	System ringing in impact test triggered by upper-and-lower yield points of materials. International Journal of Impact Engineering, 2017, 108, 295-302.	2.4	12
111	A Survey of Hidden Convex Optimization. Journal of the Operations Research Society of China, 2020, 8, 1-28.	0.9	12
112	Analytical formulas of thermal deformation of suspension bridges. Engineering Structures, 2021, 238, 112228.	2.6	12
113	Dynamic condensation approach for response-based finite element model updating of large-scale structures. Journal of Sound and Vibration, 2021, 506, 116176.	2.1	12
114	Anomaly detection of sensor faults and extreme events based on support vector data description. Structural Control and Health Monitoring, 2022, 29, .	1.9	12
115	Two-Step Method for Instability Damage Detection in Tower Body of Transmission Structures. Advances in Structural Engineering, 2013, 16, 219-232.	1.2	11
116	Stochastic dynamic analysis of marine risers considering fluid-structure interaction and system uncertainties. Engineering Structures, 2019, 198, 109507.	2.6	11
117	Efficient calculation and monitoring of temperature actions on supertall structures. Engineering Structures, 2019, 193, 1-11.	2.6	11
118	Testing and modeling tearing and air effect of aluminum honeycomb under out-of-plane impact loading. International Journal of Impact Engineering, 2020, 135, 103402.	2.4	11
119	Generalization of the statistical moment-based damage detection method. Structural Engineering and Mechanics, 2011, 38, 715-732.	1.0	11
120	A videogrammetric technique for measuring the vibration displacement of stay cables. Geo-Spatial Information Science, 2012, 15, 135-141.	2.4	10
121	Sparse damage detection via the elastic net method using modal data. Structural Health Monitoring, 2022, 21, 1076-1092.	4.3	10
122	Integration of health monitoring and vibration control for smart building structures with time-varying structural parameters and unknown excitations. Smart Structures and Systems, 2015, 15, 807-830.	1.9	10
123	Model updating of nonlinear structures using substructuring method. Journal of Sound and Vibration, 2022, 521, 116719.	2.1	10
124	Mechanical-electrical-thermal responses of lithium-ion pouch cells under dynamic loading: A comparative study between fresh cells and aged ones. International Journal of Impact Engineering, 2022, 166, 104237.	2.4	10
125	Construction of Stiffness and Flexibility for Substructure-Based Model Updating. Mathematical Problems in Engineering, 2013, 2013, 1-14.	0.6	9
126	Sensitivity-Based Finite Element Model Updating Using Dynamic Condensation Approach. International Journal of Structural Stability and Dynamics, 2018, 18, 1840004.	1.5	9

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127	Sandwich Structure Design of a Cooling Fin for Battery Modules Against Impact Loads. Automotive Innovation, 2020, 3, 260-269.	3.1	9
128	SHM-based F-AHP bridge rating system with application to Tsing Ma Bridge. Frontiers of Architecture and Civil Engineering in China, 2011, 5, 465-478.	0.4	8
129	Dynamic Assessment of Shear Connection Conditions in Slab-Girder Bridges by Kullback-Leibler Distance. Advances in Structural Engineering, 2012, 15, 771-780.	1.2	8
130	Construction of orthogonal projector for the damage identification by measured substructural flexibility. Measurement: Journal of the International Measurement Confederation, 2016, 88, 441-455.	2.5	8
131	A closed-form solution to a viscoelastically supported Timoshenko beam under harmonic line load. Journal of Sound and Vibration, 2016, 369, 109-118.	2.1	8
132	Multi-scale stochastic dynamic response analysis of offshore risers with lognormal uncertainties. Ocean Engineering, 2019, 189, 106333.	1.9	8
133	Temperature-induced displacement of supertall structures: A case study. Advances in Structural Engineering, 2019, 22, 982-996.	1.2	8
134	Theoretical calculation of circular-crested Lamb wave field in single- and multi-layer isotropic plates using the normal mode expansion method. Structural Health Monitoring, 2020, 19, 357-372.	4.3	8
135	Mechanical Anisotropy and Strain-Rate Dependency of a Large Format Lithium-Ion Battery Cell: Experiments and Simulations. , 0, , .		8
136	Analytical formulas of beam deflection due to vertical temperature difference. Engineering Structures, 2021, 240, 112366.	2.6	8
137	Verification of a Cable Element for Cable Parametric Vibration of One-Cable-Beam System Subject to Harmonic Excitation and Random Excitation. Advances in Structural Engineering, 2011, 14, 589-595.	1.2	7
138	Analysis of Dynamic Characteristics of the Canton Tower under Different Earthquakes. Advances in Structural Engineering, 2015, 18, 1087-1100.	1.2	7
139	Structural Analysis of Large-Scale Vertical Axis Wind Turbines Part II: Fatigue and Ultimate Strength Analyses. Energies, 2019, 12, 2584.	1.6	7
140	Temperature-induced structural static responses of a long-span steel box girder suspension bridge. Journal of Zhejiang University: Science A, 2020, 21, 580-592.	1.3	7
141	System design and demonstration of performance monitoring of a butterflyâ€shaped arch footbridge. Structural Control and Health Monitoring, 2021, 28, e2738.	1.9	7
142	Kron's substructuring method to the calculation of structural responses and response sensitivities of nonlinear systems. Journal of Sound and Vibration, 2021, 502, 116101.	2.1	7
143	Measurement of rivulet movement and thickness on inclined cable using videogrammetry. Smart Structures and Systems, 2016, 18, 485-500.	1.9	7
144	Evaluation of the Effectiveness of Strengthening Intervention by CFRP on MRWA Bridge No. 3014. Journal of Composites for Construction, 2007, 11, 363-374.	1.7	6

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145	Numerical simulation method of thermal analysis for bridges without using field measurements. Procedia Engineering, 2017, 210, 240-245.	1.2	6
146	Structural Analysis of Large-Scale Vertical-Axis Wind Turbines, Part I: Wind Load Simulation. Energies, 2019, 12, 2573.	1.6	6
147	Structural damage and force identification under moving load. Structural Engineering and Mechanics, 2015, 53, 261-276.	1.0	6
148	Damage of prismatic lithiumâ€ion cells subject to bending: Test, model, and detection. EcoMat, 2022, 4, .	6.8	6
149	A Substructuring Method for Model Updating and Damage Identification. Procedia Engineering, 2011, 14, 3095-3103.	1.2	5
150	A Rate-Dependent Model for Metals Based on a Master Curve of Normalized Hardening Behavior of DP Steels. Journal of Dynamic Behavior of Materials, 2016, 2, 272-282.	1.1	5
151	Probability distribution estimation for harmonisable loads and responses of linear elastic structures. Probabilistic Engineering Mechanics, 2022, 68, 103258.	1.3	5
152	Physics-Enhanced PCA for Data Compression in Edge Devices. IEEE Transactions on Green Communications and Networking, 2022, 6, 1624-1634.	3.5	5
153	Parametric oscillation of cables and aerodynamic effect. Frontiers of Architecture and Civil Engineering in China, 2010, 4, 321-325.	0.4	4
154	Extension of Non-Associated Hill48 Model for Characterizing Dynamic Mechanical Behavior of a Typical High-Strength Steel Sheet. , 2014, , .		4
155	Identification of True Stress-Strain Curve of Thermoplastic Polymers under Biaxial Tension. SAE International Journal of Materials and Manufacturing, 2016, 9, 768-775.	0.3	4
156	Numerical Simulation of a Cable-Stayed Bridge Subjected to Ship Collision. International Journal of Structural Stability and Dynamics, 2021, 21, 2150086.	1.5	4
157	Influence of pre-straining and heating on strain-rate sensitivity of AA5182-O. International Journal of Impact Engineering, 2022, 161, 104106.	2.4	4
158	Safety Comparison of Geometric Configurations of Electric Vehicle Battery under Side Pole Impact. , 0, , .		4
159	CONVEX HULL PRESENTATION OF A QUADRATICALLY CONSTRAINED SET AND ITS APPLICATION IN SOLVING QUADRATIC PROGRAMMING PROBLEMS. Asia-Pacific Journal of Operational Research, 2009, 26, 769-778.	0.9	3
160	Statistical damage detection method for frame structures using a confidence interval. Earthquake Engineering and Engineering Vibration, 2010, 9, 133-140.	1.1	3
161	Experimental and Numerical Analysis of the System Ringing in Intermediate Strain Rate Tests. , 2016, , .		3
162	Convex hull of the orthogonal similarity set with applications in quadratic assignment problems. Journal of Industrial and Management Optimization, 2013, 9, 687-699.	0.8	3

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163	Jaya-Based Long Short-Term Memory Neural Network for Structural Damage Identification with Consideration of Measurement Uncertainties. International Journal of Structural Stability and Dynamics, 2022, 22, .	1.5	3
164	Conditional simulation of 3D nonstationary wind field for sea-crossing bridges. Advances in Structural Engineering, 2022, 25, 2508-2526.	1.2	3
165	Random Aggregate Generation and Mesoscale Modeling of Concrete under High Strain Rate Compression. Applied Mechanics and Materials, 2011, 71-78, 733-736.	0.2	2
166	MESOSCALE MODELING OF CONCRETE UNDER DYNAMIC SPLIT TENSION. Journal of Earthquake and Tsunami, 2013, 07, 1350028.	0.7	2
167	Thermal correlation analysis of a long-span suspension bridge static responses. , 2016, , .		2
168	Characterization of Metal Foil in Anisotropic Fracture Behavior with Dynamic Tests. , 0, , .		2
169	An analytical method for full-range mechanical behavior of continuous slab-deck in multi-span simply supported concrete bridges. Advances in Structural Engineering, 2022, 25, 98-116.	1.2	2
170	Estimating a joint probability distribution model of fluctuating wind speeds of monsoons from field-measured wind speed data. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 227, 105054.	1.7	2
171	Temperature Monitoring of Tsing Ma Suspension Bridge: Numerical Simulation and Field Measurement. , 2010, , .		1
172	A Note on Legendreâ€“Fenchel Conjugate of the Product of Two Positive-Definite Quadratic Forms. Journal of the Operations Research Society of China, 2013, 1, 333-338.	0.9	1
173	Testing and Modeling the Effect of Strain-Rate on Plastic Anisotropy for a Traditional High Strength Steel. , 2015, , .		1
174	On linearization techniques for budget-constrained binary quadratic programming problems. Operations Research Letters, 2016, 44, 702-705.	0.5	1
175	Vibration of infinite Timoshenko beam on Pasternak foundation under vehicular load. Advances in Structural Engineering, 2017, 20, 694-703.	1.2	1
176	Substructuring Method in Structural Health Monitoring. , 2017, , .		1
177	Convex hull of the orthogonal similarity set with applications in quadratic assignment problems. Journal of Industrial and Management Optimization, 2013, 9, 689-701.	0.8	1
178	Temperature influence on impact protection performance of steel-plastic structuresâ€“Manifested by head impact against pillars of passenger car. International Journal of Impact Engineering, 2022, 159, 104054.	2.4	1
179	Floor location effect on a frame structure damage detetion. Proceedings of SPIE, 2008, , .	0.8	0
180	Aggregate Shape Effect on Mesoscale Modeling of Concrete under High Strain Rate Tension. Advanced Materials Research, 0, 243-249, 6127-6130.	0.3	0

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181	Model Development and Validation of Offset Deformable Barrier under Impact Intruding Load. , 0, , .		0
182	Analytical calculation of temperatureâ€induced strain of supertall structures. Structural Control and Health Monitoring, 2021, 28, e2801.	1.9	0
183	Damping estimation using free decays response in short telecom structures. Advances in Structural Engineering, 2022, 25, 212-228.	1.2	0
184	Vibration-Based Structural Damage Detection Using Sparse Bayesian Learning Techniques. Structural Integrity, 2022, , 1-25.	0.8	0
185	Quantitative Study on Frequency Variation with Respect to Structural Temperatures. , 2009, , 707-713.		0
186	On the generalized trace ratio problem. Optimization, 2023, 72, 2721-2737.	1.0	0