

Hui Li

List of Publications by Year in Descending Order

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

452
papers

13,200
citations

55
h-index

94
g-index

521
ext. papers

16,561
ext. citations

4.2
avg, IF

7.25
L-index

#	Paper	IF	Citations
452	Characteristics of forced flow past a square cylinder with steady suction at leading-edge corners. <i>Physics of Fluids</i> , 2022 , 34, 025119	4.4	2
451	The basic wind characteristics of idealized hurricanes of different intensity levels. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022 , 225, 104980	3.7	0
450	Strain Engineering of Domain Coexistence in Epitaxial Lead-Titanite Thin Films. <i>Coatings</i> , 2022 , 12, 542	2.9	
449	Wake stabilization behind a cylinder by secondary flow over the leeward surface. <i>Physics of Fluids</i> , 2022 , 34, 055110	4.4	1
448	Generalized hierarchical Bayesian inference for fatigue life prediction based on multi-parameter Weibull models. <i>International Journal of Fatigue</i> , 2022 , 162, 106948	5	0
447	Defect-mediated work function regulation in graphene film for high-performing triboelectric nanogenerators. <i>Nano Energy</i> , 2022 , 99, 107411	17.1	1
446	Attenuation of vortex street by suction through the structured porous surface. <i>Physics of Fluids</i> , 2021 , 33, 125101	4.4	5
445	Three-Dimensional Numerical Investigation on the Seepage Field and Stability of Soil Slope Subjected to Snowmelt Infiltration. <i>Water (Switzerland)</i> , 2021 , 13, 2729	3	1
444	On the coupling mechanism of rain/wind two-phase flow induced cable vibration: A wake-dynamics perspective. <i>Physics of Fluids</i> , 2021 , 33, 117102	4.4	2
443	Physics-guided deep learning framework for predictive modeling of bridge vortex-induced vibrations from field monitoring. <i>Physics of Fluids</i> , 2021 , 33, 037113	4.4	2
442	Optimized negative stiffness damper with flexible support for stay cables. <i>Structural Control and Health Monitoring</i> , 2021 , 28, e2717	4.5	2
441	Relationship of structure and mechanical property of silica with enhanced sampling and machine learning. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 3910-3920	3.8	2
440	An adaptive model order reduction method for nonlinear seismic analysis of civil structures based on the elastic-plastic states. <i>International Journal for Numerical Methods in Engineering</i> , 2021 , 122, 3985-4006	2.4	2
439	An interpretable framework of data-driven turbulence modeling using deep neural networks. <i>Physics of Fluids</i> , 2021 , 33, 055133	4.4	24
438	Data-driven modeling of bridge buffeting in the time domain using long short-term memory network based on structural health monitoring. <i>Structural Control and Health Monitoring</i> , 2021 , 28, e2772	4.5	5
437	Sparse Bayesian learning approach for propagation distance recognition and damage localization in plate-like structures using guided waves. <i>Structural Health Monitoring</i> , 2021 , 20, 3-24	4.4	13
436	Structure-aware 3D reconstruction for cable-stayed bridges: A learning-based method. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021 , 36, 89-108	8.4	13

435	Geometric characteristics of corrosion pits on high-strength steel wires in bridge cables under applied stress. <i>Structure and Infrastructure Engineering</i> , 2021 , 17, 34-48	2.9	7
434	Recovering compressed images for automatic crack segmentation using generative models. <i>Mechanical Systems and Signal Processing</i> , 2021 , 146, 107061	7.8	7
433	Elastic ceramic aerogels for thermal superinsulation under extreme conditions. <i>Materials Today</i> , 2021 , 42, 162-177	21.8	19
432	Relationship modeling between vehicle-induced girder vertical deflection and cable tension by BiLSTM using field monitoring data of a cable-stayed bridge. <i>Structural Control and Health Monitoring</i> , 2021 , 28, e2667	4.5	4
431	Numerical simulation and experiment investigation on passive-suction-jet control of wind effect of two tandem cable models. <i>Advances in Structural Engineering</i> , 2021 , 24, 897-913	1.9	1
430	Phase stability and Landau phenomenological model of relaxor ferroelectric single crystals 0.78Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.22PbTiO ₃ . <i>Ceramics International</i> , 2021 , 47, 9842-9848	5.1	2
429	NSFnets (Navier-Stokes flow nets): Physics-informed neural networks for the incompressible Navier-Stokes equations. <i>Journal of Computational Physics</i> , 2021 , 426, 109951	4.1	89
428	Deep-Learning-Based Bridge Condition Assessment by Probability Density Distribution Reconstruction of Girder Vertical Deflection and Cable Tension Using Unsupervised Image Transformation Model. <i>Lecture Notes in Civil Engineering</i> , 2021 , 35-45	0.3	0
427	Modeling and Evaluation of Magnetorheological Dampers with Fluid Leakage for Cable Vibration Control. <i>Journal of Bridge Engineering</i> , 2021 , 26, 04020119	2.7	6
426	Effects of leading-edge separation on the vortex-induced vibration of an elongated bluff body. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021 , 209, 104500	3.7	
425	Adaptive subset searching-based deep neural network method for structural reliability analysis. <i>Reliability Engineering and System Safety</i> , 2021 , 213, 107778	6.3	6
424	Machine-learning-based methods for output-only structural modal identification. <i>Structural Control and Health Monitoring</i> , 2021 , 28, e2843	4.5	9
423	Efficient reliability analysis combining kriging and subset simulation with two-stage convergence criterion. <i>Reliability Engineering and System Safety</i> , 2021 , 214, 107737	6.3	1
422	Influence of interfacial microstructure on pullout behavior and failure mechanism of steel fibers embedded in cement-based materials. <i>Construction and Building Materials</i> , 2021 , 304, 124688	6.7	3
421	Influence of porous media coatings on flow characteristics and vortex-induced vibration of circular cylinders. <i>Journal of Fluids and Structures</i> , 2021 , 106, 103365	3.1	1
420	Framework for reconstructing wave loads on a floating cylinder using monitored data of structural motion and wave elevation. <i>Journal of Fluids and Structures</i> , 2021 , 106, 103376	3.1	
419	Effect of the specific surface area of nano-silica particle on the properties of cement paste. <i>Powder Technology</i> , 2021 , 392, 680-689	5.2	5
418	Structural Crack Detection Using DPP-BOTDA and Crack-Induced Features of the Brillouin Gain Spectrum. <i>Sensors</i> , 2020 , 20,	3.8	4

4 ¹⁷	Error analysis of reconstructed wave force on a circular cylinder by using wave elevation data. <i>Ocean Engineering</i> , 2020 , 209, 107311	3.9	1
4 ¹⁶	Attribute-based structural damage identification by few-shot meta learning with inter-class knowledge transfer. <i>Structural Health Monitoring</i> , 2020 , 147592172092113	4.4	10
4 ¹⁵	Suppression of vortex-induced vibration of single-box girder with various angles of attack by self-issuing jet method. <i>Journal of Fluids and Structures</i> , 2020 , 96, 103017	3.1	11
4 ¹⁴	Horizontal Loading Performance of Offshore Wind Turbine Pile Foundation Based on DPP-BOTDA. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 492	2.6	5
4 ¹³	Numerical Simulation of Coherent Structures in the Turbulent Boundary Layer under Different Stability Conditions. <i>Energies</i> , 2020 , 13, 1068	3.1	2
4 ¹²	Numerical Investigation of Very-Large-Scale Motions in a Turbulent Boundary Layer for Different Roughness. <i>Energies</i> , 2020 , 13, 659	3.1	3
4 ¹¹	A passive negative stiffness damper in series with a flexible support: Theoretical and experimental study. <i>Structural Control and Health Monitoring</i> , 2020 , 27, e2594	4.5	12
4 ¹⁰	Group sparsity-aware convolutional neural network for continuous missing data recovery of structural health monitoring. <i>Structural Health Monitoring</i> , 2020 , 147592172093174	4.4	7
4 ⁰⁹	Innovative compound-type anchorage system for a large-diameter pultruded carbon/glass hybrid rod for bridge cable. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020 , 53, 1	3.4	12
4 ⁰⁸	Experimental study on seismic control of towers in cable-supported bridges by incorporating fluid viscous dampers between sub-towers. <i>Advances in Structural Engineering</i> , 2020 , 23, 2086-2096	1.9	1
4 ⁰⁷	Icing estimation on wind turbine blade by the interface temperature using distributed fiber optic sensors. <i>Structural Control and Health Monitoring</i> , 2020 , 27, e2534	4.5	5
4 ⁰⁶	An Interpretive Study on Sustainability in the Link between Agriculture and Tourism: Tourist-Stakeholder Satisfaction in Tiantangzhai, China. <i>Sustainability</i> , 2020 , 12, 571	3.6	6
4 ⁰⁵	Equivalent elastic modulus of reinforcement to consider bond-slip effects of coastal bridge piers with non-uniform corrosion. <i>Engineering Structures</i> , 2020 , 210, 110382	4.7	6
4 ⁰⁴	Suppression of vortex-induced vibration of a circular cylinder by a passive-jet flow control. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020 , 199, 104119	3.7	26
4 ⁰³	Molecular Dynamics Simulation of the Precipitation of Calcium Silicate Hydrate Nanostructures under Two-Dimensional Confinement by TiO ₂ : Implications for Advanced Concretes. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2176-2184	5.6	7
4 ⁰²	Effect of suction control on the aerodynamic characteristics of an elliptical cylinder. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020 , 202, 104202	3.7	3
4 ⁰¹	Time-resolved reconstruction of flow field around a circular cylinder by recurrent neural networks based on non-time-resolved particle image velocimetry measurements. <i>Experiments in Fluids</i> , 2020 , 61, 1	2.5	13
4 ⁰⁰	A novel long short-term memory neural-network-based self-excited force model of limit cycle oscillations of nonlinear flutter for various aerodynamic configurations. <i>Nonlinear Dynamics</i> , 2020 , 100, 2071-2087	5	15

399	Passive Jet Approach to Control the Flow over a Circular Cylinder. <i>Journal of Aerospace Engineering</i> , 2020 , 33, 04020015	1.4	1
398	Self-similarity in the wake of a semi-submersible offshore wind turbine considering the interaction with the wake of supporting platform. <i>Renewable Energy</i> , 2020 , 156, 328-341	8.1	0
397	An Adaptive Model Order Reduction Method Based on the Damage Evolution for Nonlinear Seismic Analysis. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-15	1.3	0
396	An active learning method combining deep neural network and weighted sampling for structural reliability analysis. <i>Mechanical Systems and Signal Processing</i> , 2020 , 140, 106684	7.8	25
395	A singular value decomposition-based guided wave array signal processing approach for weak signals with low signal-to-noise ratios. <i>Mechanical Systems and Signal Processing</i> , 2020 , 141, 106450	7.8	6
394	A Novel Algebraic Stress Model with Machine-Learning-Assisted Parameterization. <i>Energies</i> , 2020 , 13, 258	3.1	9
393	Temperature characteristics of thick-film resistors and its application as a strain sensor with low temperature-sensitivity. <i>Sensors and Actuators A: Physical</i> , 2020 , 301, 111779	3.9	7
392	Clarifying and quantifying the geometric correlation for probability distributions of inter-sensor monitoring data: A functional data analytic methodology. <i>Mechanical Systems and Signal Processing</i> , 2020 , 138, 106540	7.8	5
391	Mechanical properties and microstructure of multi-walled carbon nanotube-reinforced cementitious composites under the early-age freezing conditions. <i>Construction and Building Materials</i> , 2020 , 233, 117317	6.7	14
390	Optimal policy for structure maintenance: A deep reinforcement learning framework. <i>Structural Safety</i> , 2020 , 83, 101906	4.9	28
389	An accurate and robust monitoring method of full-bridge traffic load distribution based on YOLO-v3 machine vision. <i>Structural Control and Health Monitoring</i> , 2020 , 27, e2636	4.5	22
388	Effects of leading-edge separation on the vortex shedding and aerodynamic characteristics of an elongated bluff body. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020 , 206, 104356	3.7	3
387	Real-time nonlinear cylinder wave force reconstruction in stochastic wave field considering second-order wave effects. <i>Journal of Fluids and Structures</i> , 2020 , 98, 103132	3.1	3
386	Machine learning paradigm for structural health monitoring. <i>Structural Health Monitoring</i> , 2020 , 147592172097241	1.4	2
385	Large-Eddy Simulation of Idealized Hurricanes at Different Sea Surface Temperatures. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2020MS002057	7.1	2
384	Guided wave-based bend detection in pipes using in-plane shear piezoelectric wafers. <i>NDT and E International</i> , 2020 , 116, 102312	4.1	4
383	Non-linear distributions of bond-slip behavior in concrete-filled steel tubes by the acoustic emission technique. <i>Structures</i> , 2020 , 28, 2311-2320	3.4	1
382	Design and Validation of Android Smartphone Based Wireless Structural Vibration Monitoring System. <i>Sensors</i> , 2020 , 20,	3.8	3

381	Compressive-sensing data reconstruction for structural health monitoring: a machine-learning approach. <i>Structural Health Monitoring</i> , 2020 , 19, 293-304	4.4	31
380	Flow characteristics of a fixed circular cylinder with an upstream splitter plate: On the plate-length sensitivity. <i>Experimental Thermal and Fluid Science</i> , 2020 , 117, 110135	3	13
379	A machine learning-based approach for adaptive sparse time-frequency analysis used in structural health monitoring. <i>Structural Health Monitoring</i> , 2020 , 19, 1963-1975	4.4	12
378	Semi-Active Control for Benchmark Building Using Innovative TMD with MRE Isolators. <i>International Journal of Structural Stability and Dynamics</i> , 2020 , 20, 2040009	1.9	4
377	A Field Investigation on Vortex-Induced Vibrations of Stay Cables in a Cable-Stayed Bridge. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4556	2.6	6
376	Experimental Investigation on Vortex-Induced Vibration Mitigation of Stay Cables in Long-Span Bridges Equipped with Damped Crossties. <i>Journal of Aerospace Engineering</i> , 2019 , 32, 04019072	1.4	9
375	Discovering time-varying aerodynamics of a prototype bridge by sparse identification of nonlinear dynamical systems. <i>Physical Review E</i> , 2019 , 100, 022220	2.4	15
374	Effects of Fiber Surface Grafting with Nano-Clay on the Hydrothermal Ageing Behaviors of Flax Fiber/Epoxy Composite Plates. <i>Polymers</i> , 2019 , 11,	4.5	12
373	Effect of nanoclay grafting onto flax fibers on the interfacial shear strength and mechanical properties of flax/epoxy composites. <i>Polymer Composites</i> , 2019 , 40, 3482-3492	3	20
372	Automatic seismic damage identification of reinforced concrete columns from images by a region-based deep convolutional neural network. <i>Structural Control and Health Monitoring</i> , 2019 , 26, e2313	4.5	66
371	Control of circular cylinder flow via bilateral splitter plates. <i>Physics of Fluids</i> , 2019 , 31, 057105	4.4	23
370	Effect of postcuring immersed in water under hydraulic pressure on fatigue performance of large-diameter pultruded carbon/glass hybrid rod. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 1148-1160	3	9
369	Passive suction jet control of flow regime around a rectangular column with a low side ratio. <i>Experimental Thermal and Fluid Science</i> , 2019 , 109, 109815	3	10
368	Electromechanical impedance-based ice detection of stay cables with temperature compensation. <i>Structural Control and Health Monitoring</i> , 2019 , 26, e2384	4.5	14
367	Self-Suction-and-Jet Control in Flow Regime and Unsteady Force for a Single Box Girder. <i>Journal of Bridge Engineering</i> , 2019 , 24, 04019072	2.7	7
366	General solutions for nonlinear differential equations: a rule-based self-learning approach using deep reinforcement learning. <i>Computational Mechanics</i> , 2019 , 64, 1361-1374	4	15
365	Temperature-dependent phase transition in [001]-oriented 0.72Pb(MgNb)O-0.28PbTiO single crystals. <i>Ceramics International</i> , 2019 , 45, 13999-14005	5.1	6
364	Interfacial microstructure and bond strength of nano-SiO ₂ -coated steel fibers in cement matrix. <i>Cement and Concrete Composites</i> , 2019 , 103, 1-10	8.6	60

363	A Numerical Study on the Development of Self-Similarity in a Wind Turbine Wake Using an Improved Pseudo-Spectral Large-Eddy Simulation Solver. <i>Energies</i> , 2019 , 12, 643	3.1	4
362	The State of the Art of Data Science and Engineering in Structural Health Monitoring. <i>Engineering</i> , 2019 , 5, 234-242	9.7	128
361	Self-issuing jets for suppression of vortex-induced vibration of a single box girder. <i>Journal of Fluids and Structures</i> , 2019 , 86, 213-235	3.1	13
360	The influence of firing procedures on strain sensitivity of thick-film resistors. <i>Ceramics International</i> , 2019 , 45, 6836-6841	5.1	4
359	Combined effects of temperature, hydraulic pressure and salty concentration on the water uptake and mechanical properties of a carbon/glass fibers hybrid rod in salty solutions. <i>Polymer Testing</i> , 2019 , 76, 19-32	4.5	22
358	Atomistic origin of the passivation effect in hydrated silicate glasses. <i>Npj Materials Degradation</i> , 2019 , 3,	5.7	16
357	Feasibility of Using a Negative Stiffness Damper to Two Interconnected Stay Cables for Damping Enhancement. <i>International Journal of Structural Stability and Dynamics</i> , 2019 , 19, 1950058	1.9	18
356	Effects of steady wake-jets on subcritical cylinder flow. <i>Experimental Thermal and Fluid Science</i> , 2019 , 102, 575-588	3	11
355	Topological optimization of cementitious binders: Advances and challenges. <i>Cement and Concrete Composites</i> , 2019 , 101, 5-14	8.6	18
354	Analyzing and modeling inter-sensor relationships for strain monitoring data and missing data imputation: a copula and functional data-analytic approach. <i>Structural Health Monitoring</i> , 2019 , 18, 1168-1188	4.4	31
353	Sparse recovery of multiple dispersive guided-wave modes for defect localization using a Bayesian approach. <i>Structural Health Monitoring</i> , 2019 , 18, 1235-1252	4.4	14
352	Surface modification of ramie fibers with silanized CNTs through a simple spray-coating method. <i>Cellulose</i> , 2019 , 26, 8165-8178	5.5	11
351	Artificial neural network mixed model for large eddy simulation of compressible isotropic turbulence. <i>Physics of Fluids</i> , 2019 , 31, 085112	4.4	26
350	Modelling the spatial distribution of heavy vehicle loads on long-span bridges based on undirected graphical model. <i>Structure and Infrastructure Engineering</i> , 2019 , 15, 1485-1499	2.9	4
349	Numerical study of amplitude modulation in the atmospheric boundary layer at very high Reynolds number. <i>AIP Advances</i> , 2019 , 9, 105112	1.5	2
348	Chemical composition of calcium-silicate-hydrate gels: Competition between kinetics and thermodynamics. <i>Physical Review Materials</i> , 2019 , 3,	3.2	9
347	Video-based multiscale identification approach for tower vibration of a cable-stayed bridge model under earthquake ground motions. <i>Structural Control and Health Monitoring</i> , 2019 , 26, e2314	4.5	9
346	Double-negative-index ceramic aerogels for thermal superinsulation. <i>Science</i> , 2019 , 363, 723-727	33.3	229

345	Multi-modal vortex- and rain/wind- induced vibrations of an inclined flexible cable. <i>Mechanical Systems and Signal Processing</i> , 2019 , 118, 245-258	7.8	24
344	Adaptive substructure identification for shear structures with virtual control system. <i>Mechanical Systems and Signal Processing</i> , 2019 , 121, 426-440	7.8	9
343	State-of-the-art review on Bayesian inference in structural system identification and damage assessment. <i>Advances in Structural Engineering</i> , 2019 , 22, 1329-1351	1.9	54
342	Active control of circular cylinder flow with windward suction and leeward blowing. <i>Experiments in Fluids</i> , 2019 , 60, 1	2.5	28
341	Diagnosis and accuracy enhancement of compressive-sensing signal reconstruction in structural health monitoring using multi-task sparse Bayesian learning. <i>Smart Materials and Structures</i> , 2019 , 28, 035001	3.4	2
340	LQD-RKHS-based distribution-to-distribution regression methodology for restoring the probability distributions of missing SHM data. <i>Mechanical Systems and Signal Processing</i> , 2019 , 121, 655-674	7.8	22
339	Convolutional neural network-based data anomaly detection method using multiple information for structural health monitoring. <i>Structural Control and Health Monitoring</i> , 2019 , 26, e2296	4.5	104
338	Effects of water or alkali solution immersion on the water uptake and physicochemical properties of a pultruded carbon fiber reinforced polyurethane plate. <i>Polymer Composites</i> , 2019 , 40, 738-748	3	4
337	Computer vision and deep learning-based data anomaly detection method for structural health monitoring. <i>Structural Health Monitoring</i> , 2019 , 18, 401-421	4.4	148
336	Surface fatigue crack identification in steel box girder of bridges by a deep fusion convolutional neural network based on consumer-grade camera images. <i>Structural Health Monitoring</i> , 2019 , 18, 653-674	4.4	95
335	Effects of Freeze-Thaw Cycles on the Behavior of the Bond between CFRP Plates and Concrete Substrates. <i>Journal of Composites for Construction</i> , 2018 , 22, 04018011	3.3	21
334	Effects of water or alkali solution immersion on the water uptake and physicommechanical properties of polyurethane. <i>Polymer Engineering and Science</i> , 2018 , 58, 2276-2287	2.3	16
333	A novel anchorage system for CFRP cable: Experimental and numerical investigation. <i>Composite Structures</i> , 2018 , 194, 555-563	5.3	18
332	Sparse representation for Lamb-wave-based damage detection using a dictionary algorithm. <i>Ultrasonics</i> , 2018 , 87, 48-58	3.5	33
331	Weibull modeling of the fatigue life for steel rebar considering corrosion effects. <i>International Journal of Fatigue</i> , 2018 , 111, 134-143	5	27
330	Methodology for wave force monitoring of bottom-mounted cylinder using the measurement of the wave surface elevation around the body surface. <i>Journal of Fluids and Structures</i> , 2018 , 78, 197-214	3.1	6
329	Computer vision-based recognition of rainwater rivulet morphology evolution during rain/wind-induced vibration of a 3D aeroelastic stay cable. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 172, 367-378	3.7	10
328	Effects of nano-SiO ₂ on the permeability-related properties of cement-based composites with different water/cement ratios. <i>Journal of Materials Science</i> , 2018 , 53, 4974-4986	4.3	51

327	Ice monitoring of a full-scale wind turbine blade using ultrasonic guided waves under varying temperature conditions. <i>Structural Control and Health Monitoring</i> , 2018 , 25, e2138	4.5	23
326	Improving substructure identification accuracy of shear structures using virtual control system. <i>Smart Materials and Structures</i> , 2018 , 27, 025013	3.4	9
325	Experimental investigations on seismic control of cable-stayed bridges using shape memory alloy self-centering dampers. <i>Structural Control and Health Monitoring</i> , 2018 , 25, e2180	4.5	24
324	Prediction model of velocity field around circular cylinder over various Reynolds numbers by fusion convolutional neural networks based on pressure on the cylinder. <i>Physics of Fluids</i> , 2018 , 30, 047105	4.4	97
323	Experimental and numerical validation of guided wave phased arrays integrated within standard data acquisition systems for structural health monitoring. <i>Structural Control and Health Monitoring</i> , 2018 , 25, e2171	4.5	11
322	Testing and analysis of basalt FRP-confined damaged concrete cylinders under axial compression loading. <i>Construction and Building Materials</i> , 2018 , 169, 762-774	6.7	21
321	Initial condition and damping effects on rain/wind induced cable vibration. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 175, 376-383	3.7	8
320	Seismic performance of CFRP-retrofitted large-scale rectangular RC columns under lateral loading in different directions. <i>Composite Structures</i> , 2018 , 192, 475-488	5.3	26
319	New insights into the sol-gel condensation of silica by reactive molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2018 , 148, 234504	3.9	31
318	Experimental investigation of aerodynamic forces and flow structures of bionic cylinders based on harbor seal vibrissa. <i>Experimental Thermal and Fluid Science</i> , 2018 , 99, 169-180	3	15
317	Numerical simulation and prediction of spatial wind field under complex terrain. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 180, 49-65	3.7	12
316	Multi-mode responses, rivulet dynamics, flow structures and mechanism of rain-wind induced vibrations of a flexible cable. <i>Journal of Fluids and Structures</i> , 2018 , 82, 154-172	3.1	19
315	Single-shot BOTDA based on an optical chirp chain probe wave for distributed ultrafast measurement. <i>Light: Science and Applications</i> , 2018 , 7, 32	16.7	105
314	Water Absorption and Distribution in a Pultruded Unidirectional Carbon/Glass Hybrid Rod under Hydraulic Pressure and Elevated Temperatures. <i>Polymers</i> , 2018 , 10,	4.5	18
313	Probabilistic model for length effect on fatigue life of longitudinal elements. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018 , 41, 1948-1962	3	
312	Fractal dimension based damage identification incorporating multi-task sparse Bayesian learning. <i>Smart Materials and Structures</i> , 2018 , 27, 075020	3.4	12
311	Role of nano-SiO ₂ in improving the microstructure and impermeability of concrete with different aggregate gradations. <i>Construction and Building Materials</i> , 2018 , 188, 537-545	6.7	33
310	Novel Self-Centering Negative Stiffness Damper Based on Combination of Shape Memory Alloy and Prepressed Springs. <i>Journal of Aerospace Engineering</i> , 2018 , 31, 04018100	1.4	21

309	Data-driven modeling of vortex-induced vibration of a long-span suspension bridge using decision tree learning and support vector regression. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 172, 196-211	3.7	54
308	A numerical investigation of Reynolds number sensitivity of flow characteristics around a twin-box girder. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 172, 298-316	3.7	10
307	A novel distribution regression approach for data loss compensation in structural health monitoring. <i>Structural Health Monitoring</i> , 2018 , 17, 1473-1490	4.4	20
306	Effects of attachments on aerodynamic characteristics and vortex-induced vibration of twin-box girder. <i>Journal of Fluids and Structures</i> , 2018 , 77, 115-133	3.1	23
305	Condition assessment of cables by pattern recognition of vehicle-induced cable tension ratio. <i>Engineering Structures</i> , 2018 , 155, 1-15	4.7	51
304	Vortex-induced vibration analysis of long-span bridges with twin-box decks under non-uniformly distributed turbulent winds. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 172, 31-41	3.7	12
303	An adaptive numerical scheme based on the Craig-Bampton method for the dynamic analysis of tall buildings. <i>Structural Design of Tall and Special Buildings</i> , 2018 , 27, e1410	1.8	6
302	Compressive sensing of wireless sensors based on group sparse optimization for structural health monitoring. <i>Structural Health Monitoring</i> , 2018 , 17, 823-836	4.4	24
301	Identification framework for cracks on a steel structure surface by a restricted Boltzmann machines algorithm based on consumer-grade camera images. <i>Structural Control and Health Monitoring</i> , 2018 , 25, e2075	4.5	53
300	Recent Progress in Fast Distributed Brillouin Optical Fiber Sensing. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1820	2.6	24
299	Numerical Simulation of Fatigue Performance of Diaphragm of Large-Span Bridge Orthotropic Deck. <i>Complexity</i> , 2018 , 2018, 1-19	1.6	0
298	Influence of immersion in water under hydraulic pressure on the interfacial shear strength of a unidirectional carbon/glass hybrid rod. <i>Polymer Testing</i> , 2018 , 72, 164-171	4.5	23
297	Experimental investigation on cyclic behavior of coastal bridge piers with non-uniform corrosion under biaxial quasi-static loads. <i>Construction and Building Materials</i> , 2018 , 190, 222-234	6.7	14
296	Monitoring of chloride-induced corrosion in steel rebars. <i>Corrosion Engineering Science and Technology</i> , 2018 , 53, 601-610	1.7	4
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