Hui Li

List of Publications by Citations

452	13,200	55	94
papers	citations	h-index	g-index
521	16,561	4.2	7.25
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
452	Microstructure of cement mortar with nano-particles. *Composites Part B: Engineering*, **2004**, 35, 185-189	10	709
451	Pore structure and chloride permeability of concrete containing nano-particles for pavement. *Construction and Building Materials*, **2011**, 25, 608-616	6.7	336
450	Structural Health Monitoring in mainland China: Review and Future Trends. *Structural Health Monitoring*, **2010**, 9, 219-231	4.4	324
449	Abrasion resistance of concrete containing nano-particles for pavement. *Wear*, **2006**, 260, 1262-1266	3.5	323
448	3D Printing of Graphene Aerogels. *Small*, **2016**, 12, 1702-8	11	316
447	A study on mechanical and pressure-sensitive properties of cement mortar with nanophase materials. *Cement and Concrete Research*, **2004**, 34, 435-438	10.3	310
446	Double-negative-index ceramic aerogels for thermal superinsulation. *Science*, **2019**, 363, 723-727	33.3	229
445	Flexural fatigue performance of concrete containing nano-particles for pavement. *International Journal of Fatigue*, **2007**, 29, 1292-1301	5	227
444	Self-Sensing, Ultralight, and Conductive 3D Graphene/Iron Oxide Aerogel Elastomer Deformable in a Magnetic Field. *ACS Nano*, **2015**, 9, 3969-77	16.7	226
443	Naturally Dried Graphene Aerogels with Superelasticity and Tunable Poisson's Ratio. *Advanced Materials*, **2016**, 28, 9223-9230	24	187
442	Effect of compressive strain on electrical resistivity of carbon black-filled cement-based composites. *Cement and Concrete Composites*, **2006**, 28, 824-828	8.6	182
441	Computer vision and deep learning-based data anomaly detection method for structural health monitoring. *Structural Health Monitoring*, **2019**, 18, 401-421	4.4	148
440	Mechanically robust honeycomb graphene aerogel multifunctional polymer composites. *Carbon*, **2015**, 93, 659-670	10.4	145
439	Hyperbolically Patterned 3D Graphene Metamaterial with Negative Poisson's Ratio and Superelasticity. *Advanced Materials*, **2016**, 28, 2229-37	24	138
438	The State of the Art of Data Science and Engineering in Structural Health Monitoring. *Engineering*, **2019**, 5, 234-242	9.7	128
437	Suppression of vortex-induced vibration of a circular cylinder using suction-based flow control. *Journal of Fluids and Structures*, **2013**, 42, 25-39	3.1	123
436	Durability study of pultruded CFRP plates immersed in water and seawater under sustained bending: Water uptake and effects on the mechanical properties. *Composites Part B: Engineering*, **2015**, 70, 138-148	10	112

435	Single-shot BOTDA based on an optical chirp chain probe wave for distributed ultrafast measurement. *Light: Science and Applications*, **2018**, 7, 32	16.7	105
434	Convolutional neural network-based data anomaly detection method using multiple information for structural health monitoring. *Structural Control and Health Monitoring*, **2019**, 26, e2296	4.5	104
433	The state of the art in structural health monitoring of cable-stayed bridges. *Journal of Civil Structural Health Monitoring*, **2016**, 6, 43-67	2.9	103
432	The influence of surfactants on the processing of multi-walled carbon nanotubes in reinforced cement matrix composites. *Physica Status Solidi (A) Applications and Materials Science*, **2009**, 206, NA-NA	1.6	103
431	Prediction model of velocity field around circular cylinder over various Reynolds numbers by fusion convolutional neural networks based on pressure on the cylinder. *Physics of Fluids*, **2018**, 30, 047105	4.4	97
430	Investigation of vortex-induced vibration of a suspension bridge with two separated steel box girders based on field measurements. *Engineering Structures*, **2011**, 33, 1894-1907	4.7	97
429	Surface fatigue crack identification in steel box girder of bridges by a deep fusion convolutional neural network based on consumer-grade camera images. *Structural Health Monitoring*, **2019**, 18, 653-674	4.4	95
428	SMC structural health monitoring benchmark problem using monitored data from an actual cable-stayed bridge. *Structural Control and Health Monitoring*, **2014**, 21, 156-172	4.5	92
427	Compressive sampling-based data loss recovery for wireless sensor networks used in civil structural health monitoring. *Structural Health Monitoring*, **2013**, 12, 78-95	4.4	89
426	Structural Health Monitoring System for the Shandong Binzhou Yellow River Highway Bridge. *Computer-Aided Civil and Infrastructure Engineering*, **2006**, 21, 306-317	8.4	89
425	NSFnets (Navier-Stokes flow nets): Physics-informed neural networks for the incompressible Navier-Stokes equations. *Journal of Computational Physics*, **2021**, 426, 109951	4.1	89
424	Portland Cement Paste Modified by TiO2 Nanoparticles: A Microstructure Perspective. *Industrial & Engineering Chemistry Research*, **2013**, 52, 11575-11582	3.9	82
423	Experimental investigation on the cyclic performance of reinforced concrete piers with chloride-induced corrosion in marine environment. *Engineering Structures*, **2015**, 105, 1-11	4.7	76
422	Flow around a circular cylinder with slit. *Experimental Thermal and Fluid Science*, **2017**, 82, 287-301	3	75
421	Vibration Control of Stay Cables of the Shandong Binzhou Yellow River Highway Bridge Using Magnetorheological Fluid Dampers. *Journal of Bridge Engineering*, **2007**, 12, 401-409	2.7	75
420	Robust Bayesian Compressive Sensing for Signals in Structural Health Monitoring. *Computer-Aided Civil and Infrastructure Engineering*, **2014**, 29, 160-179	8.4	74
419	Experimental and analytical study on pounding reduction of base-isolated highway bridges using MR dampers. *Earthquake Engineering and Structural Dynamics*, **2009**, 38, 1307-1333	4	74
418	Sensor technology innovation for the advancement of structural health monitoring: a strategic program of US-China research for the next decade. *Smart Structures and Systems*, **2007**, 3, 221-244		73

417	Field monitoring and validation of vortex-induced vibrations of a long-span suspension bridge. *Journal of Wind Engineering and Industrial Aerodynamics*, **2014**, 124, 54-67	3.7	72
416	Electrical property of cement-based composites filled with carbon black under long-term wet and loading condition. *Composites Science and Technology*, **2008**, 68, 2114-2119	8.6	72
415	Slope-assisted BOTDA based on vector SBS and frequency-agile technique for wide-strain-range dynamic measurements. *Optics Express*, **2017**, 25, 1889-1902	3.3	70
414	Passive jet control of flow around a circular cylinder. *Experiments in Fluids*, **2015**, 56, 1	2.5	70
413	Applications of optical fibre Bragg gratings sensing technology-based smart stay cables. *Optics and Lasers in Engineering*, **2009**, 47, 1077-1084	4.6	70
412	Negative stiffness characteristics of active and semi-active control systems for stay cables. *Structural Control and Health Monitoring*, **2008**, 15, 120-142	4.5	70
411	An experimental investigation on vortex induced vibration of a flexible inclined cable under a shear flow. *Journal of Fluids and Structures*, **2015**, 54, 297-311	3.1	69
410	Automatic seismic damage identification of reinforced concrete columns from images by a region-based deep convolutional neural network. *Structural Control and Health Monitoring*, **2019**, 26, e2313	4.5	66
409	An experimental study on a suction flow control method to reduce the unsteadiness of the wind loads acting on a circular cylinder. *Experiments in Fluids*, **2014**, 55, 1	2.5	64
408	Fractal Dimension-Based Damage Detection Method for Beams with a Uniform Cross-Section. *Computer-Aided Civil and Infrastructure Engineering*, **2011**, 26, 190-206	8.4	64
407	Effects of elevated temperatures on the mechanical properties of basalt fibers and BFRP plates. *Construction and Building Materials*, **2016**, 127, 1029-1036	6.7	62
406	Experimental and Numerical Study of the Fatigue Properties of Corroded Parallel Wire Cables. *Journal of Bridge Engineering*, **2012**, 17, 211-220	2.7	62
405	Investigation and control of vortex-induced vibration of twin box girders. *Journal of Fluids and Structures*, **2013**, 39, 205-221	3.1	61
404	The reinforcement efficiency of carbon nanotubes/shape memory polymer nanocomposites. *Composites Part B: Engineering*, **2013**, 44, 508-516	10	61
403	A numerical and experimental hybrid approach for the investigation of aerodynamic forces on stay cables suffering from rain-wind induced vibration. *Journal of Fluids and Structures*, **2010**, 26, 1195-1215	3.1	61
402	Interfacial microstructure and bond strength of nano-SiO2-coated steel fibers in cement matrix. *Cement and Concrete Composites*, **2019**, 103, 1-10	8.6	60
401	High-Spatial-Resolution Fast BOTDA for Dynamic Strain Measurement Based on Differential Double-Pulse and Second-Order Sideband of Modulation. *IEEE Photonics Journal*, **2013**, 5, 2600407-2600407	1.8	58
400	Effects of exposure to elevated temperatures and subsequent immersion in water or alkaline solution on the mechanical properties of pultruded BFRP plates. *Composites Part B: Engineering*, **2015**, 77, 421-430	10	57

399	Vibration mitigation of a stay cable with one shape memory alloy damper. *Structural Control and Health Monitoring*, **2004**, 11, 21-36	4.5	56
398	Flyweight, Superelastic, Electrically Conductive, and Flame-Retardant 3D Multi-Nanolayer Graphene/Ceramic Metamaterial. *Advanced Materials*, **2017**, 29, 1605506	24	55
397	Distributed measurement of dynamic strain based on multi-slope assisted fast BOTDA. *Optics Express*, **2016**, 24, 9781-93	3.3	54
396	Thermal aging of an anhydride-cured epoxy resin. *Polymer Degradation and Stability*, **2015**, 118, 111-119	4.7	54
395	Wind turbine blade health monitoring with piezoceramic-based wireless sensor network. *International Journal of Smart and Nano Materials*, **2013**, 4, 150-166	3.6	54
394	State-of-the-art review on Bayesian inference in structural system identification and damage assessment. *Advances in Structural Engineering*, **2019**, 22, 1329-1351	1.9	54
393	Data-driven modeling of vortex-induced vibration of a long-span suspension bridge using decision tree learning and support vector regression. *Journal of Wind Engineering and Industrial Aerodynamics*, **2018**, 172, 196-211	3.7	54
392	Identification framework for cracks on a steel structure surface by a restricted Boltzmann machines algorithm based on consumer-grade camera images. *Structural Control and Health Monitoring*, **2018**, 25, e2075	4.5	53
391	Bayesian system identification based on hierarchical sparse Bayesian learning and Gibbs sampling with application to structural damage assessment. *Computer Methods in Applied Mechanics and Engineering*, **2017**, 318, 382-411	5.7	52
390	Effects of nano-SiO2 on the permeability-related properties of cement-based composites with different water/cement ratios. *Journal of Materials Science*, **2018**, 53, 4974-4986	4.3	51
389	Self-deicing road system with a CNFP high-efficiency thermal source and MWCNT/cement-based high-thermal conductive composites. *Cold Regions Science and Technology*, **2013**, 86, 22-35	3.8	51
388	Hierarchical sparse Bayesian learning for structural damage detection: Theory, computation and application. *Structural Safety*, **2017**, 64, 37-53	4.9	51
387	Long-term condition assessment of suspenders under traffic loads based on structural monitoring system: Application to the Tsing Ma Bridge. *Structural Control and Health Monitoring*, **2012**, 19, 82-101	4.5	51
386	Modeling and control performance of a negative stiffness damper for suppressing stay cable vibrations. *Structural Control and Health Monitoring*, **2016**, 23, 764-782	4.5	51
385	Condition assessment of cables by pattern recognition of vehicle-induced cable tension ratio. *Engineering Structures*, **2018**, 155, 1-15	4.7	51
384	Flyweight 3D Graphene Scaffolds with Microinterface Barrier-Derived Tunable Thermal Insulation and Flame Retardancy. *ACS Applied Materials & Interfaces*, **2017**, 9, 14232-14241	9.5	50
383	Numerical study on the suppression of the vortex-induced vibration of an elastically mounted cylinder by a traveling wave wall. *Journal of Fluids and Structures*, **2014**, 44, 145-165	3.1	50
382	Hydrodynamic Experiment of the Wave Force Acting on the Superstructures of Coastal Bridges. *Journal of Bridge Engineering*, **2015**, 20, 04015012	2.7	50

381	Modeling of piezoresistivity of carbon black filled cement-based composites under multi-axial strain. *Sensors and Actuators A: Physical*, **2010**, 160, 87-93	3.9	50
380	Behavior of a simple concrete beam driven by shape memory alloy wires. *Smart Materials and Structures*, **2006**, 15, 1039-1046	3.4	50
379	A feasibility study of self-heating concrete utilizing carbon nanofiber heating elements. *Smart Materials and Structures*, **2009**, 18, 127001	3.4	49
378	Chloride diffusion in concrete containing nano-TiO2 under coupled effect of scouring. *Composites Part B: Engineering*, **2014**, 56, 698-704	10	48
377	PZT/PVDF composites doped with carbon nanotubes. *Sensors and Actuators A: Physical*, **2013**, 194, 228-231	3.9	48
376	Effects of surface treatment of carbon fiber: Tensile property, surface characteristics, and bonding to epoxy. *Polymer Composites*, **2016**, 37, 2921-2932	3	48
375	Bayesian compressive sensing for approximately sparse signals and application to structural health monitoring signals for data loss recovery. *Probabilistic Engineering Mechanics*, **2016**, 46, 62-79	2.6	47
374	Real-time hybrid simulation approach for performance validation of structural active control systems: a linear motor actuator based active mass driver case study. *Structural Control and Health Monitoring*, **2014**, 21, 574-589	4.5	46
373	Real-Time Output-Only Identification of Time-Varying Cable Tension from Accelerations via Complexity Pursuit. *Journal of Structural Engineering*, **2016**, 142, 04015083	3	45
372	Experimental and theoretical study on two types of shape memory alloy devices. *Earthquake Engineering and Structural Dynamics*, **2008**, 37, 407-426	4	45
371	Identification of time-varying cable tension forces based on adaptive sparse time-frequency analysis of cable vibrations. *Structural Control and Health Monitoring*, **2017**, 24, e1889	4.5	44
370	Fundamental understanding of wave generation and reception using d(36) type piezoelectric transducers. *Ultrasonics*, **2015**, 57, 135-43	3.5	44
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367	Freeze□haw resistance of unidirectional-fiber-reinforced epoxy composites. *Journal of Applied Polymer Science*, **2012**, 123, 3781-3788	2.9	42
366	Guided wave generation, sensing and damage detection using in-plane shear piezoelectric wafers. *Smart Materials and Structures*, **2014**, 23, 015014	3.4	42
365	An experimental study on the unsteady vortices and turbulent flow structures around twin-box-girder bridge deck models with different gap ratios. *Journal of Wind Engineering and Industrial Aerodynamics*, **2014**, 132, 27-36	3.7	40
364	An ultrasonic transmission thickness measurement system for study of water rivulets characteristics of stay cables suffering from wind□ain-induced vibration. *Sensors and Actuators A: Physical*, **2010**, 159, 12-23	3.9	40

363	Active mass driver control system for suppressing wind-induced vibration of the Canton Tower. *Smart Structures and Systems*, **2014**, 13, 281-303		40
362	Compressive sensing-based lost data recovery of fast-moving wireless sensing for structural health monitoring. *Structural Control and Health Monitoring*, **2015**, 22, 433-448	4.5	39
361	Experimental investigation on the cyclic behaviors of corroded coastal bridge piers with transfer of plastic hinge due to non-uniform corrosion. *Soil Dynamics and Earthquake Engineering*, **2017**, 102, 112-123	3.5	39
360	Strain sensing properties of cement-based sensors embedded at various stress zones in a bending concrete beam. *Sensors and Actuators A: Physical*, **2011**, 167, 581-587	3.9	39
359	Identification of spatio-temporal distribution of vehicle loads on long-span bridges using computer vision technology. *Structural Control and Health Monitoring*, **2016**, 23, 517-534	4.5	39
358	Uniform and Pitting Corrosion Modeling for High-Strength Bridge Wires. *Journal of Bridge Engineering*, **2014**, 19, 04014025	2.7	37
357	Excitation mechanism of rain–wind induced cable vibration in a wind tunnel. *Journal of Fluids and Structures*, **2017**, 68, 32-47	3.1	37
356	Estimation and Warning of Fatigue Damage of FRP Stay Cables Based on Acoustic Emission Techniques and Fractal Theory. *Computer-Aided Civil and Infrastructure Engineering*, **2011**, 26, 500-512	8.4	37
355	Seismic response control of a cable-stayed bridge using negative stiffness dampers. *Structural Control and Health Monitoring*, **2011**, 18, 265-288	4.5	37
354	Investigation of vibration mitigation of stay cables incorporated with superelastic shape memory alloy dampers. *Smart Materials and Structures*, **2007**, 16, 2202-2213	3.4	37
353	Real-time identification of time-varying tension in stay cables by monitoring cable transversal acceleration. *Structural Control and Health Monitoring*, **2014**, 21, 1100-1117	4.5	36
352	Design, calibration and application of wireless sensors for structural global and local monitoring of civil infrastructures. *Smart Structures and Systems*, **2010**, 6, 641-659		36
351	Theoretical analysis of electric, magnetic and magnetoelectric properties of nano-structured multiferroic composites. *Journal of the Mechanics and Physics of Solids*, **2011**, 59, 1966-1977	5	35
350	Dempster–Shafer evidence theory approach to structural damage detection. *Structural Health Monitoring*, **2012**, 11, 13-26	4.4	35
349	A design approach for semi-active and smart base-isolated buildings. *Structural Control and Health Monitoring*, **2006**, 13, 660-681	4.5	35
348	Landau expansion parameters for BaTiO3. *Journal of Applied Physics*, **2013**, 114, 224106	2.5	34
347	Traffic load modelling based on structural health monitoring data. *Structure and Infrastructure Engineering*, **2011**, 7, 379-386	2.9	34
346	Modal identification of bridges under varying environmental conditions: Temperature and wind effects. *Structural Control and Health Monitoring*, **2009**, 17, n/a-n/a	4.5	34

345	Monitoring and failure analysis of corroded bridge cables under fatigue loading using acoustic emission sensors. *Sensors*, **2012**, 12, 3901-15	3.8	34
344	Sparse representation for Lamb-wave-based damage detection using a dictionary algorithm. *Ultrasonics*, **2018**, 87, 48-58	3.5	33
343	Role of nano-SiO2 in improving the microstructure and impermeability of concrete with different aggregate gradations. *Construction and Building Materials*, **2018**, 188, 537-545	6.7	33
342	Repair Effects and Acoustic Emission Technique Based Fracture Evaluation for Predamaged Concrete Columns Confined with Fiber-Reinforced Polymers. *Journal of Composites for Construction*, **2012**, 16, 626-639	3.3	33
341	A probabilistic damage identification approach for structures with uncertainties under unknown input. *Mechanical Systems and Signal Processing*, **2011**, 25, 1126-1145	7.8	33
340	Sparse l1 optimization-based identification approach for the distribution of moving heavy vehicle loads on cable-stayed bridges. *Structural Control and Health Monitoring*, **2016**, 23, 144-155	4.5	33
339	Fatigue life prediction for parallel-wire stay cables considering corrosion effects. *International Journal of Fatigue*, **2018**, 114, 81-91	5	33
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337	A novel self-powered MR damper: theoretical and experimental analysis. *Smart Materials and Structures*, **2015**, 24, 105033	3.4	32
336	Sensitivity and analysis GPS signals based bridge damage using GPS observations and wavelet transform. *Measurement: Journal of the International Measurement Confederation*, **2011**, 44, 927-937	4.6	32
335	Machine learning paradigm for structural health monitoring. *Structural Health Monitoring*, **2020**, 14759217209732	4.4	32
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333	New insights into the sol-gel condensation of silica by reactive molecular dynamics simulations. *Journal of Chemical Physics*, **2018**, 148, 234504	3.9	31
332	Analyzing and modeling inter-sensor relationships for strain monitoring data and missing data imputation: a copula and functional data-analytic approach. *Structural Health Monitoring*, **2019**, 18, 1168-1188	4.4	31
331	Effects of thermal aging on the water uptake behavior of pultruded BFRP plates. *Polymer Degradation and Stability*, **2014**, 110, 216-224	4.7	31
330	Experimental study of a simple reinforced concrete beam temporarily strengthened by SMA wires followed by permanent strengthening with CFRP plates. *Engineering Structures*, **2008**, 30, 716-723	4.7	31
329	Compressive-sensing data reconstruction for structural health monitoring: a machine-learning approach. *Structural Health Monitoring*, **2020**, 19, 293-304	4.4	31
328	Seismic failure mode of coastal bridge piers considering the effects of corrosion-induced damage. *Soil Dynamics and Earthquake Engineering*, **2017**, 93, 135-146	3.5	30

327	Percolation backbone structure analysis in electrically conductive carbon fiber reinforced cement composites. *Composites Part B: Engineering*, **2012**, 43, 3270-3275	10	30
326	Acoustic emission monitoring and damage assessment of FRP-strengthened reinforced concrete columns under cyclic loading. *Construction and Building Materials*, **2017**, 144, 86-98	6.7	28
325	A domain-independent interaction integral for magneto-electro-elastic materials. *International Journal of Solids and Structures*, **2014**, 51, 336-351	3.1	28
324	Application of the endurance time method to the seismic analysis and evaluation of highway bridges considering pounding effects. *Engineering Structures*, **2017**, 131, 220-230	4.7	28
323	Structural Health Monitoring: From Sensing Technology Stepping to Health Diagnosis. *Procedia Engineering*, **2011**, 14, 753-760		28
322	Study on Damage Emergency Repair Performance of a Simple Beam Embedded with Shape Memory Alloys. *Advances in Structural Engineering*, **2004**, 7, 495-502	1.9	28
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320	Active control of circular cylinder flow with windward suction and leeward blowing. *Experiments in Fluids*, **2019**, 60, 1	2.5	28
319	Weibull modeling of the fatigue life for steel rebar considering corrosion effects. *International Journal of Fatigue*, **2018**, 111, 134-143	5	27
318	Full scale strain monitoring of a suspension bridge using high performance distributed fiber optic sensors. *Measurement Science and Technology*, **2016**, 27, 124017	2	27
317	Guided-wave signal processing by the sparse Bayesian learning approach employing Gabor pulse model. *Structural Health Monitoring*, **2017**, 16, 347-362	4.4	27
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315	Self-monitoring Properties of Concrete Columns with Embedded Cement-based Strain Sensors. *Journal of Intelligent Material Systems and Structures*, **2011**, 22, 191-200	2.3	27
314	Analysis of capability for semi-active or passive damping systems to achieve the performance of active control systems. *Structural Control and Health Monitoring*, **2010**, 17, 778-794	4.5	27
313	Strain Self-Sensing Property and Strain Rate Dependent Constitutive Model of Austenitic Shape Memory Alloy: Experiment and Theory. *Journal of Materials in Civil Engineering*, **2005**, 17, 676-685	3	27
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308	Crystallization of calcium silicate hydrates on the surface of nanomaterials. *Journal of the American Ceramic Society*, **2017**, 100, 3227-3238	3.8	25
307	Numerical investigation of steady suction control of flow around a circular cylinder. *Journal of Fluids and Structures*, **2015**, 59, 22-36	3.1	25
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302	Reliability assessment of cable-stayed bridges based on structural health monitoring techniques. *Structure and Infrastructure Engineering*, **2012**, 8, 829-845	2.9	25
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300	Experimental investigations on seismic control of cable-stayed bridges using shape memory alloy self-centering dampers. *Structural Control and Health Monitoring*, **2018**, 25, e2180	4.5	24
299	An interpretable framework of data-driven turbulence modeling using deep neural networks. *Physics of Fluids*, **2021**, 33, 055133	4.4	24
298	Multi-modal vortex- and rain□wind- induced vibrations of an inclined flexible cable. *Mechanical Systems and Signal Processing*, **2019**, 118, 245-258	7.8	24
297	Compressive sensing of wireless sensors based on group sparse optimization for structural health monitoring. *Structural Health Monitoring*, **2018**, 17, 823-836	4.4	24
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295	Control of circular cylinder flow via bilateral splitter plates. *Physics of Fluids*, **2019**, 31, 057105	4.4	23
294	Ice monitoring of a full-scale wind turbine blade using ultrasonic guided waves under varying temperature conditions. *Structural Control and Health Monitoring*, **2018**, 25, e2138	4.5	23
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292	Experimental study of a highway bridge with shape memory alloy restrainers focusing on the mitigation of unseating and pounding. *Earthquake Engineering and Engineering Vibration*, **2012**, 11, 195-204	2	23

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290	3-D modelling and statistical properties of surface pits of corroded wire based on image processing technique. *Corrosion Science*, **2016**, 111, 275-287	6.8	23
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286	Reynolds number effects on aerodynamic characteristics and vortex-induced vibration of a twin-box girder. *Journal of Fluids and Structures*, **2014**, 50, 358-375	3.1	22
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284	Compression Behavior of Concrete Cylinders Externally Confined by Flax Fiber Reinforced Polymer Sheets. *Advances in Structural Engineering*, **2014**, 17, 1825-1833	1.9	22
283	Study on the role of rivulet in rain□wind-induced cable vibration through wind tunnel testing. *Journal of Fluids and Structures*, **2015**, 59, 316-327	3.1	22
282	Non-model-based semi-active vibration suppression of stay cables using magneto-rheological fluid dampers. *Smart Materials and Structures*, **2007**, 16, 1447-1452	3.4	22
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280	An accurate and robust monitoring method of full-bridge traffic load distribution based on YOLO-v3 machine vision. *Structural Control and Health Monitoring*, **2020**, 27, e2636	4.5	22
279	LQD-RKHS-based distribution-to-distribution regression methodology for restoring the probability distributions of missing SHM data. *Mechanical Systems and Signal Processing*, **2019**, 121, 655-674	7.8	22
278	Effects of Freeze-Thaw Cycles on the Behavior of the Bond between CFRP Plates and Concrete Substrates. *Journal of Composites for Construction*, **2018**, 22, 04018011	3.3	21
277	Testing and analysis of basalt FRP-confined damaged concrete cylinders under axial compression loading. *Construction and Building Materials*, **2018**, 169, 762-774	6.7	21
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