

M Abdel-Wahab

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.

329
papers

8,198
citations

56
h-index

77
g-index

352
ext. papers

10,002
ext. citations

2.8
avg, IF

7.03
L-index

#	Paper	IF	Citations
329	Application of Multilayer Perceptron Neural Network for Damage Detection in Rectangular Laminated Composite Plates Based on Vibrational Analysis. <i>Lecture Notes in Civil Engineering</i> , 2022 , 163-178	0.3	4
328	Effect of wear debris on fretting fatigue crack initiation. <i>Friction</i> , 2022 , 10, 927	5.6	2
327	Small size-effect isogeometric analysis for linear and nonlinear responses of porous metal foam microplate. <i>Composite Structures</i> , 2022 , 285, 115189	5.3	1
326	Dynamic contact behaviors of saddle materials for suspension bridge. <i>Engineering Failure Analysis</i> , 2022 , 134, 106031	3.2	0
325	Nonlocal strain gradient IGA numerical solution for static bending, free vibration and buckling of sigmoid FG sandwich nanoplate. <i>Physica B: Condensed Matter</i> , 2022 , 631, 413726	2.8	1
324	Investigation on fretting fatigue crack initiation in heterogenous materials using a hybrid of multiscale homogenization and direct numerical simulation. <i>Tribology International</i> , 2022 , 169, 107470	4.9	1
323	Numerical analysis of crack propagation in fretting fatigue specimen repaired by stop hole method. <i>International Journal of Fatigue</i> , 2022 , 156, 106640	5	2
322	Mechanical Properties and Leak-Tightness of Polymeric Pipe Adhesive Joints. <i>Applied Mechanics</i> , 2022 , 3, 64-77	1.8	0
321	Experimental crack identification of API X70 steel pipeline using improved Artificial Neural Networks based on Whale Optimization Algorithm. <i>Mechanics of Materials</i> , 2022 , 166, 104200	3.3	5
320	A hybrid PSO and Grey Wolf Optimization algorithm for static and dynamic crack identification. <i>Theoretical and Applied Fracture Mechanics</i> , 2022 , 118, 103213	3.7	7
319	Polygonal Finite Element for Two-Dimensional Lid-Driven Cavity Flow. <i>Computers, Materials and Continua</i> , 2022 , 70, 4217-4239	3.9	3
318	Prediction of Wave Overtopping Discharge on Coastal Protection Structure Using SPH-Based and Neural Networks Method. <i>Lecture Notes in Civil Engineering</i> , 2022 , 71-79	0.3	
317	Impact of Mechanical Treatment on Strength of Steel Adhesive Joints. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 109-122	0.4	
316	Dynamic Analysis of 3D Solid Structure Using a Consecutive-Interpolation Over Polyhedral Element Mesh. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 1-8	0.4	
315	Contact and slip behaviors of main cable of the long-span suspension bridge. <i>Engineering Failure Analysis</i> , 2022 , 136, 106232	3.2	0
314	Fretting fatigue crack initiation behaviour in heterogeneous materials under out-of-phase loading. <i>Tribology International</i> , 2022 , 171, 107571	4.9	0
313	Residual Force Method for damage identification in a laminated composite plate with different boundary conditions. <i>Frattura Ed Integrita Strutturale</i> , 2022 , 16, 35-48	0.9	4

312	Crack prediction in beam-like structure using ANN based on frequency analysis. <i>Frattura Ed Integrita Strutturale</i> , 2022 , 16, 18-34	0.9	2
311	Monitoring Bridge Frequencies Using Passing Vehicle. <i>Lecture Notes in Civil Engineering</i> , 2022 , 27-36	0.3	0
310	Topology Optimization for a Large-Scale Truss Bridge Using a Hybrid Metaheuristic Search Algorithm. <i>Lecture Notes in Civil Engineering</i> , 2022 , 37-48	0.3	
309	Adaptive Network-Based Fuzzy Inference for Damage Detection in Rectangular Laminated Composite Plates Using Vibrational Data. <i>Lecture Notes in Civil Engineering</i> , 2022 , 179-196	0.3	4
308	Finite Element Model Updating of Lifeline Truss Bridge Using Vibration-Based Measurement Data and Balancing Composite Motion Optimization. <i>Lecture Notes in Civil Engineering</i> , 2022 , 3-12	0.3	1
307	Combination of Intermittent Search Strategy and an Improve Particle Swarm Optimization algorithm (IPSO) for damage detection of steel frame. <i>Frattura Ed Integrita Strutturale</i> , 2022 , 16, 141-152	0.9	4
306	Damage Identification in Frame Structure Based on Inverse Analysis. <i>Lecture Notes in Civil Engineering</i> , 2022 , 197-211	0.3	4
305	Damage assessment in structures using artificial neural network working and a hybrid stochastic optimization.. <i>Scientific Reports</i> , 2022 , 12, 4958	4.9	1
304	Mechanical and hydrodynamic characteristics of emerged porous Gyroid breakwaters based on triply periodic minimal surfaces. <i>Ocean Engineering</i> , 2022 , 254, 111392	3.9	0
303	Fatigue crack propagation across grain boundary of Al-Cu-Mg bicrystal based on crystal plasticity XFEM and cohesive zone model. <i>Journal of Materials Science and Technology</i> , 2022 , 126, 275-287	9.1	0
302	An efficient Planet Optimization Algorithm for solving engineering problems.. <i>Scientific Reports</i> , 2022 , 12, 8362	4.9	4
301	A robust FRF damage indicator combined with optimization techniques for damage assessment in complex truss structures. <i>Case Studies in Construction Materials</i> , 2022 , 17, e01197	2.7	2
300	Crack Assessment Based on the Use of Severity-Adjusted Modal Curvatures of the Healthy Beam. <i>Springer Proceedings in Physics</i> , 2021 , 499-504	0.2	0
299	Effects of Contact Load and Torsion Angle on Crack Propagation Behaviors of Inclined Crossed Steel Wires during Tension-Torsion Fretting Fatigue in Acid Solution. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10529	2.6	
298	Effect of residual stress induced by ultrasonic surface rolling on fretting fatigue behaviors of Ti-6Al-4V alloy. <i>Engineering Fracture Mechanics</i> , 2021 , 108150	4.2	1
297	An efficient stochastic-based coupled model for damage identification in plate structures. <i>Engineering Failure Analysis</i> , 2021 , 105866	3.2	1
296	Numerical Investigation on the Effect of Wear Coefficient on Fretting Wear. <i>Lecture Notes in Civil Engineering</i> , 2021 , 221-227	0.3	
295	Model Updating for a Railway Bridge Using a Hybrid Optimization Algorithm Combined with Experimental Data. <i>Lecture Notes in Civil Engineering</i> , 2021 , 19-30	0.3	1

294	The Strength of Rigid and Flexible Adhesive Joints at Room Temperature and After Thermal Shocks. <i>Lecture Notes in Civil Engineering</i> , 2021 , 229-241	0.3	1
293	A Numerical Study on the Effect of Variable Wear Coefficient on Fretting Wear Characteristics. <i>Materials</i> , 2021 , 14,	3.5	1
292	Damage detection in steel plates using feed-forward neural network coupled with hybrid particle swarm optimization and gravitational search algorithm. <i>Journal of Zhejiang University: Science A</i> , 2021 , 22, 467-480	2.1	2
291	Review on the Service Safety Assessment of Main Cable of Long Span Multi-Tower Suspension Bridge. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5920	2.6	2
290	A consecutive-interpolation polyhedral finite element method for solid structures. <i>International Journal for Numerical Methods in Engineering</i> , 2021 , 122, 5692-5717	2.4	1
289	Effect of Vibration on Emergency Braking Tribological Behaviors of Brake Shoe of Deep Coal Mine Hoist. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6441	2.6	1
288	Automatic laser profile recognition and fast tracking for structured light measurement using deep learning and template matching. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 169, 108362	4.6	24
287	An improved unified viscoplastic model for modelling low cycle fatigue and creep fatigue interaction loadings of 9%Cr steel. <i>European Journal of Mechanics, A/Solids</i> , 2021 , 85, 104123	3.7	10
286	Numerical study on wave forces and overtopping over various seawall structures using advanced SPH-based method. <i>Engineering Structures</i> , 2021 , 226, 111349	4.7	6
285	Efficient Artificial neural networks based on a hybrid metaheuristic optimization algorithm for damage detection in laminated composite structures. <i>Composite Structures</i> , 2021 , 262, 113339	5.3	28
284	A three-dimensional solution for free vibration and buckling of annular plate, conical, cylinder and cylindrical shell of FG porous-cellular materials using IGA. <i>Composite Structures</i> , 2021 , 259, 113216	5.3	26
283	Application of Improved Artificial Neural Network to Stiffness Reduction Analysis of Truss Joints in a Railway Bridge. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 139-152	0.4	
282	Determination of the Effective Stiffness of Half-Open Cross-Section Bars and Orthotropic Steel Deck of a Truss Bridge Using Model Updating. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 97-108	0.4	1
281	A Heat Transfer Finite Element Model for Wire-Arc-Additive-Manufacturing Process. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 201-215	0.4	
280	Damaged Detection in Structures Using Artificial Neural Networks and Genetic Algorithms. <i>Lecture Notes in Civil Engineering</i> , 2021 , 33-38	0.3	2
279	Impact of Abrasive Blasting Media on the Strength of Steel Sheets Adhesively Bonded Joints. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 81-95	0.4	1
278	Model Updating of Frame Structure Using Equilibrium Optimizer (EO) and Cuckoo Search (CS) Algorithms. <i>Lecture Notes in Civil Engineering</i> , 2021 , 19-28	0.3	
277	Fretting Wear Effect on Fretting Fatigue by Findley Parameter in Mixed Slip Regime. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 647-656	0.4	

276	Damage Evaluation of Free-Free Beam Based on Vibration Testing. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 55-66	0.4	
275	The convergence rate of a polygonal finite element for Stokes flows on different mesh families. <i>Journal of Physics: Conference Series</i> , 2021 , 1777, 012065	0.3	
274	Damage Detection on a Beam with Multiple Cracks: A Simplified Method Based on Relative Frequency Shifts. <i>Sensors</i> , 2021 , 21,	3.8	1
273	A hybrid computational intelligence approach for structural damage detection using marine predator algorithm and feedforward neural networks. <i>Computers and Structures</i> , 2021 , 252, 106568	4.5	15
272	Mechanical Properties of Adhesive Joints Made with Pressure-Sensitive Adhesives. <i>Strojniski Vestnik/Journal of Mechanical Engineering</i> , 2021 , 67, 380-388	1.3	1
271	Grain-orientation induced stress formation in AA2024 monocrystal and bicrystal using Crystal Plasticity Finite Element Method. <i>Materials and Design</i> , 2021 , 206, 109794	8.1	4
270	An Enhancing Particle Swarm Optimization Algorithm (EHVPSO) for damage identification in 3D transmission tower. <i>Engineering Structures</i> , 2021 , 242, 112412	4.7	12
269	Sensitivity analysis of the GTN damage parameters at different temperature for dynamic fracture propagation in X70 pipeline steel using neural network. <i>Frattura Ed Integrita Strutturale</i> , 2021 , 15, 442-452	0.9	1
268	Damage identification in steel plate using FRF and inverse analysis. <i>Frattura Ed Integrita Strutturale</i> , 2021 , 15, 416-433	0.9	4
267	An improved Artificial Neural Network using Arithmetic Optimization Algorithm for damage assessment in FGM composite plates. <i>Composite Structures</i> , 2021 , 273, 114287	5.3	49
266	Fatigue crack propagation within Al-Cu-Mg single crystals based on crystal plasticity and XFEM combined with cohesive zone model. <i>Materials and Design</i> , 2021 , 210, 110015	8.1	2
265	A new robust flexibility index for structural damage identification and quantification. <i>Engineering Failure Analysis</i> , 2021 , 129, 105714	3.2	5
264	A concrete damage plasticity model for predicting the effects of compressive high-strength concrete under static and dynamic loads. <i>Journal of Building Engineering</i> , 2021 , 44, 103239	5.2	3
263	A novel version of Cuckoo search algorithm for solving optimization problems. <i>Expert Systems With Applications</i> , 2021 , 186, 115669	7.8	21
262	A Chimp Optimization Algorithm (ChOA) for Vibration-Based Damage Detection of a Damaged Steel Truss. <i>Lecture Notes in Civil Engineering</i> , 2021 , 121-132	0.3	0
261	Forecasting of excavation problems for high-rise building in Vietnam using planet optimization algorithm. <i>Scientific Reports</i> , 2021 , 11, 23809	4.9	2
260	Damage Evaluation of Free-Free Beam Based on Vibration Testing. <i>Applied Mechanics</i> , 2020 , 1, 142-152	1.8	3
259	A modified transmissibility indicator and Artificial Neural Network for damage identification and quantification in laminated composite structures. <i>Composite Structures</i> , 2020 , 248, 112497	5.3	59

258	A data-driven approach based on long short-term memory and hidden Markov model for crack propagation prediction. <i>Engineering Fracture Mechanics</i> , 2020 , 235, 107085	4.2	26
257	Non-conforming multipatches for NURBS-based finite element analysis of higher-order phase-field models for brittle fracture. <i>Engineering Fracture Mechanics</i> , 2020 , 235, 107133	4.2	5
256	Equal-Order Polygonal Analysis for Fluid Computation in Curved Domain. <i>International Journal of Computational Methods</i> , 2020 , 2040003	1.1	1
255	An efficient approach to model updating for a multispan railway bridge using orthogonal diagonalization combined with improved particle swarm optimization. <i>Journal of Sound and Vibration</i> , 2020 , 476, 115315	3.9	34
254	Calculation of the Braking Temperature on a Brake Disc of Light Passenger Aircraft Using FEM and Newcomb Models. <i>International Journal of Computational Methods</i> , 2020 , 2040002	1.1	2
253	Improved ANN technique combined with Jaya algorithm for crack identification in plates using XIGA and experimental analysis. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 107, 102554	3.7	90
252	About the calculus of the relative frequency shifts for a beam with multiple cracks. <i>Journal of Physics: Conference Series</i> , 2020 , 1426, 012024	0.3	
251	The Effect of Surface Pit Treatment on Fretting Fatigue Crack Initiation. <i>Computers, Materials and Continua</i> , 2020 , 66, 659-673	3.9	4
250	Multiscale Analysis of the Effect of Debris on Fretting Wear Process Using a Semi-Concurrent Method. <i>Computers, Materials and Continua</i> , 2020 , 62, 17-35	3.9	11
249	Multi-Scale Analysis of Fretting Fatigue in Heterogeneous Materials Using Computational Homogenization. <i>Computers, Materials and Continua</i> , 2020 , 62, 79-97	3.9	8
248	Stabilization for Equal-order Polygonal Finite Element in Incompressible Fluid Flow Computation. <i>Computers, Materials and Continua</i> , 2020 , 62, 1109-1123	3.9	3
247	Review on The Prediction of Residual Stress in Welded Steel Components. <i>Computers, Materials and Continua</i> , 2020 , 62, 495-523	3.9	13
246	Detection of Multiple Cracks Using an Energy Method Applied to the Concept of Equivalent Healthy Beam. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 63-78	0.4	1
245	The Impact of the Selected Exploitation Factors on the Adhesive Joints Strength. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 899-913	0.4	1
244	The Sensitivity of Modal Strain Energy for Damage Localization in Composite Stratified Beam Structures. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 863-874	0.4	
243	Stiffness Identification of Truss Joints of the Nam O Bridge Based on Vibration Measurements and Model Updating. <i>Structural Integrity</i> , 2020 , 264-272	0.2	1
242	Damage Detection in Laminated Composite Plates Based on Local Frequency Change Ratio Indicator. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 887-898	0.4	5
241	Single variable shear deformation theory for free vibration and harmonic response of frames on flexible foundation. <i>Engineering Structures</i> , 2020 , 208, 110268	4.7	4

240	Enhanced Brass texture of hot-rolled Al-4Cu-1.6Mg alloy by 0.1% Zr addition. <i>Materials Characterization</i> , 2020 , 169, 110643	3.9	4
239	A numerical investigation on the use of pervious concrete for seawall structures. <i>Ocean Engineering</i> , 2020 , 198, 106954	3.9	4
238	Effect of ageing process on mechanical properties of adhesive tubular butt joints in aqueous environment. <i>International Journal of Adhesion and Adhesives</i> , 2020 , 96, 102466	3.4	11
237	Optimal design of FG sandwich nanoplates using size-dependent isogeometric analysis. <i>Mechanics of Materials</i> , 2020 , 142, 103277	3.3	32
236	Proper Orthogonal Decomposition for the prediction of fretting wear characteristics. <i>Tribology International</i> , 2020 , 152, 106545	4.9	6
235	Damage detection in girder bridges using modal curvatures gapped smoothing method and Convolutional Neural Network: Application to Bo Nghi bridge. <i>Theoretical and Applied Fracture Mechanics</i> , 2020 , 109, 102728	3.7	9
234	A novel machine-learning based on the global search techniques using vectorized data for damage detection in structures. <i>International Journal of Engineering Science</i> , 2020 , 157, 103376	5.7	31
233	A geometrically nonlinear size-dependent hypothesis for porous functionally graded micro-plate. <i>Engineering With Computers</i> , 2020 , 1	4.5	12
232	Fretting fatigue lifetime estimation using a cyclic cohesive zone model. <i>Tribology International</i> , 2020 , 141, 105899	4.9	22
231	A Comparative Study of the Behavior of Glass Fiber-Reinforced Polyester Composite Laminates Under Static Loading. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 875-886	0.4	0
230	An Implementation of Cyclic Cohesive Zone Models in ABAQUS and Its Applicability to Predict Fatigue Lives. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 684-691	0.4	
229	Damage Assessment of Laminated Composite Plates Using a Modified Cornwell Indicator. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 853-862	0.4	
228	Crack Identification in Multi-Span Beams on Elastic Foundation by Using Transfer Matrix Method. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 402-409	0.4	3
227	Damage Localization and Quantification in Structures Using Residual Force Indicator. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 213-224	0.4	1
226	Damage Detection in Truss Structures Using Transmissibility Combined with Optimization Techniques. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 225-233	0.4	2
225	Efficient Algorithm for Frequency Estimation Used in Structural Damage Detection. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 283-300	0.4	1
224	Damage Assessment in Beam-Like Structures Using Cuckoo Search Algorithm and Experimentally Measured Data. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 380-385	0.4	7
223	Effects of Measuring Techniques on the Accuracy of Estimating Cable Tension in a Cable-Stay Bridge. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 433-445	0.4	1

222	Effect of Loading Conditions in Fretting Fatigue on Wear Characteristics. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 659-665	0.4	1
221	Damage Assessment in Fretting Fatigue Specimens with Micro-voids Using Critical Plane Approach. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 666-671	0.4	1
220	Free Vibration of Angle-Ply Laminated Micro-plates Using Isogeometric Analysis and Modified Couple Stress Theory. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 844-852	0.4	1
219	An equal-order mixed polygonal finite element for two-dimensional incompressible Stokes flows. <i>European Journal of Mechanics, B/Fluids</i> , 2020 , 79, 92-108	2.4	7
218	The effect of a critical micro-void defect on fretting fatigue crack initiation in heterogeneous material using a multiscale approach. <i>Tribology International</i> , 2020 , 141, 105909	4.9	9
217	An efficient artificial neural network for damage detection in bridges and beam-like structures by improving training parameters using cuckoo search algorithm. <i>Engineering Structures</i> , 2019 , 199, 109637	4.7	77
216	Damage assessment in composite laminates using ANN-PSO-IGA and Cornwell indicator. <i>Composite Structures</i> , 2019 , 230, 111509	5.3	59
215	Weak and strong form meshless methods for linear elastic problem under fretting contact conditions. <i>Tribology International</i> , 2019 , 138, 392-402	4.9	13
214	Size-dependent nonlinear analysis and damping responses of FG-CNTRC micro-plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 353, 253-276	5.7	35
213	A computational approach for crack identification in plate structures using XFEM, XIGA, PSO and Jaya algorithm. <i>Theoretical and Applied Fracture Mechanics</i> , 2019 , 103, 102240	3.7	53
212	Static and dynamic analyses of three-dimensional hollow concrete block revetments using polyhedral finite element method. <i>Applied Ocean Research</i> , 2019 , 88, 15-28	3.4	3
211	The size-dependent thermal bending and buckling analyses of composite laminate microplate based on new modified couple stress theory and isogeometric analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 350, 337-361	5.7	86
210	Isogeometric analysis for size-dependent nonlinear thermal stability of porous FG microplates. <i>Composite Structures</i> , 2019 , 221, 110838	5.3	73
209	Structural health monitoring using modal strain energy damage indicator coupled with teaching-learning-based optimization algorithm and isogeometric analysis. <i>Journal of Sound and Vibration</i> , 2019 , 448, 230-246	3.9	101
208	A New Empirical Life Prediction Model for 912%Cr Steels under Low Cycle Fatigue and Creep Fatigue Interaction Loadings. <i>Metals</i> , 2019 , 9, 183	2.3	12
207	A robust damage detection method based on multi-modal analysis in variable temperature conditions. <i>Mechanical Systems and Signal Processing</i> , 2019 , 115, 361-379	7.8	61
206	Investigation of Inclined Wellbore Stability Using Numerical Analysis. <i>Lecture Notes in Civil Engineering</i> , 2019 , 213-224	0.3	
205	Crack Identification Using eXtended IsoGeometric Analysis and Particle Swarm Optimization. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 210-222	0.4	9

204	Static and fatigue behaviors of short glass fiber reinforced polypropylene composites aged in a wet environment. <i>Journal of Composite Materials</i> , 2019 , 53, 3629-3647	2.7	5
203	A high-order mixed polygonal finite element for incompressible Stokes flow analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 356, 175-198	5.7	8
202	A refined size-dependent couple stress theory for laminated composite micro-plates using isogeometric analysis. <i>Thin-Walled Structures</i> , 2019 , 145, 106427	4.7	38
201	Numerical investigation of novel prefabricated hollow concrete blocks for stepped-type seawall structures. <i>Engineering Structures</i> , 2019 , 198, 109558	4.7	4
200	An isogeometric approach of static and free vibration analyses for porous FG nanoplates. <i>European Journal of Mechanics, A/Solids</i> , 2019 , 78, 103851	3.7	66
199	A Review on Fretting Wear Mechanisms, Models and Numerical Analyses. <i>Computers, Materials and Continua</i> , 2019 , 59, 405-432	3.9	7
198	Fatigue Life Analysis of Un-repaired and Repaired Metallic Substrate Using FRANC2D. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 558-565	0.4	
197	The Effect of Technological and Structural Factors on the Strength of Polyethylene Adhesive Joints. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 241-257	0.4	1
196	Simulation of Cyclic Deformation Behavior of Ferritic P92 Steel Based on Unified Viscoplastic Model. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 547-557	0.4	
195	A Comparison Between Critical-Plane and Stress-Invariant Approaches for the Prediction of Fretting Fatigue Crack Nucleation. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 530-538	0.4	
194	Three-Dimensional Analysis of an Innovative Hollow Concrete Block of Interlocking Revetment. <i>Lecture Notes in Civil Engineering</i> , 2019 , 112-122	0.3	
193	Numerical analysis of the influence of micro-voids on fretting fatigue crack initiation lifetime. <i>Tribology International</i> , 2019 , 135, 121-129	4.9	11
192	A Six-Variable Quasi-3D Model for Static Analysis of Laminated Composite Plates Using Isogeometric Analysis. <i>Lecture Notes in Civil Engineering</i> , 2019 , 135-142	0.3	1
191	The Rock Failure Behavior Analysis in Rock Cutting Using Finite Element Analysis. <i>Lecture Notes in Civil Engineering</i> , 2019 , 143-149	0.3	
190	Topology Optimization of an Interlocking Revetment Block. <i>Lecture Notes in Civil Engineering</i> , 2019 , 165-176	0.3	
189	A Coupled SPH-FEM for Fluid-Structures Interaction Problem with Free-Surface and Revetment Slope Thin-Walled Structures. <i>Lecture Notes in Civil Engineering</i> , 2019 , 187-201	0.3	1
188	Incompressible Fluid Computation Based on Polygonal Finite Element. <i>Lecture Notes in Civil Engineering</i> , 2019 , 202-212	0.3	
187	Size-Dependent Analysis for FG-CNTRC Nanoplates Based on Refined Plate Theory and Modified Couple Stress. <i>Lecture Notes in Civil Engineering</i> , 2019 , 225-237	0.3	2

186	Damage Detection in Simply Supported Beam Using Transmissibility and Auto-Associative Neural Network. <i>Lecture Notes in Civil Engineering, 2019, 177-186</i>	0.3	2
185	System Identification Based on Vibration Testing of a Steel I-Beam. <i>Lecture Notes in Civil Engineering, 2019, 254-268</i>	0.3	2
184	Numerical Simulations of Precast Thin-Walled Concrete Blocks Forming Coastal Structure. <i>Lecture Notes in Civil Engineering, 2019, 67-80</i>	0.3	
183	The Influence of Microstructure Heterogeneity on Crack Propagation in Welds Using XFEM. <i>Lecture Notes in Mechanical Engineering, 2019, 371-379</i>	0.4	1
182	Structural Health Monitoring of Beam-Like and Truss Structures Using Frequency Response and Particle Swarm Optimization. <i>Lecture Notes in Mechanical Engineering, 2019, 390-399</i>	0.4	4
181	Quantitative description between pre-fatigue damage and residual tensile properties of P92 steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 744, 415-425</i>	5.3	15
180	Porosity-dependent nonlinear transient responses of functionally graded nanoplates using isogeometric analysis. <i>Composites Part B: Engineering, 2019, 164, 215-225</i>	10	124
179	Effect of stress gradient and quadrant averaging on fretting fatigue crack initiation angle and life. <i>Tribology International, 2019, 131, 212-221</i>	4.9	30
178	Fast simulations for solving fracture mechanics inverse problems using POD-RBF XIGA and Jaya algorithm. <i>Engineering Fracture Mechanics, 2019, 205, 285-300</i>	4.2	90
177	The effect of cathodic and powder coatings on the strength and failure modes of EN AW-5754 aluminium alloy adhesive joints. <i>International Journal of Adhesion and Adhesives, 2019, 89, 40-50</i>	3.4	11
176	Optimization of IGA Parameters Based on Beam Structure Using Cuckoo Search Algorithm. <i>Lecture Notes in Mechanical Engineering, 2019, 380-389</i>	0.4	1
175	Effect of hygrothermal aging in distilled and saline water on the mechanical behaviour of mixed short fibre/woven composites. <i>Composite Structures, 2019, 207, 816-825</i>	5.3	22
174	Influence of Thermal Fatigue on the Wear Behavior of Brake Discs Sliding against Organic and Semimetallic Friction Materials. <i>Tribology Transactions, 2018, 61, 861-868</i>	1.8	13
173	Fluid-Structure Interaction Analysis of Revetment Structures: An Overview. <i>Lecture Notes in Mechanical Engineering, 2018, 723-731</i>	0.4	
172	Analysis of Fluid-Structures Interaction Problem of Revetment Slope Thin-Walled Structure Using Abaqus. <i>Lecture Notes in Mechanical Engineering, 2018, 917-925</i>	0.4	2
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153	A layerwise C0-type higher order shear deformation theory for laminated composite and sandwich plates. <i>Comptes Rendus - Mecanique</i> , 2018 , 346, 57-76	2.1	24
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138	A numerical investigation on critical plane orientation and initiation lifetimes in fretting fatigue under out of phase loading conditions. <i>Tribology International</i> , 2017 , 115, 307-318	4.9	35
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135	A numerical kinematic model of welding process for low carbon steels. <i>Computers and Structures</i> , 2017 , 186, 35-49	4.5	26
134	An isogeometric approach for size-dependent geometrically nonlinear transient analysis of functionally graded nanoplates. <i>Composites Part B: Engineering</i> , 2017 , 118, 125-134	10	112
133	Fretting fatigue stress analysis in heterogeneous material using direct numerical simulations in solid mechanics. <i>Tribology International</i> , 2017 , 109, 124-132	4.9	49

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126	Minimum shear stress range: a criterion for crack path determination. <i>Journal of Physics: Conference Series</i> , 2017 , 843, 012053	0.3	1
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2	A variable velocity strategy particle swarm optimization algorithm (VVS-PSO) for damage assessment in structures. <i>Engineering With Computers</i> ,1	4.5	3
1	Prediction of Gurson Damage Model Parameters Coupled with Hardening Law Identification of Steel X70 Pipeline Using Neural Network. <i>Metals and Materials International</i> ,1	2.4	7