Shahrum Abdullah

List of Publications by Year
in descending order

271 papers	1,970 citations	318942 23 h-index	445137 33 g-index
274 all docs	274 docs citations	274 times ranked	1461 citing authors

#	Article	IF	Citations
1	Systematic Review: Overview on Trends and Future Opportunities of Additive Manufactured Lattice Structures. Structural Integrity, 2022, , 75-90.	0.8	1
2	Experimental and Numerical Vibration Analysis of Octet-Truss-Lattice-Based Gas Turbine Blades. Metals, 2022, 12, 340.	1.0	11
3	Acoustic Analysis Using Symmetrised Implicit Midpoint Rule. Frattura Ed Integrita Strutturale, 2022, 16, 214-229.	0.5	0
4	Observing the simulation behaviour of Magnesium alloy metal sandwich panel under cyclic loadings. Frattura Ed Integrita Strutturale, 2022, 16, 230-243.	0.5	2
5	Fatigue life assessment of vehicle coil spring using finite element analysis under random strain loads in time domain. International Journal of Structural Integrity, 2022, 13, 685.	1.8	0
6	Detection of Uniaxial Fatigue Stress under Magnetic Flux Leakage Signals using Morlet Wavelet. Frattura Ed Integrita Strutturale, 2022, 16, 254-265.	0.5	0
7	Design selection for a hemispherical dimple core sandwich panel using hybrid multi-criteria decision-making methods. Nanotechnology Reviews, 2022, 11, 2451-2468.	2.6	0
8	Vibration-Based Fatigue Analysis of Octet-Truss Lattice Infill Blades for Utilization in Turbine Rotors. Materials, 2022, 15, 4888.	1.3	2
9	Prognosis of Damage Intensity on Reinforced Concrete Beam Under Cyclic Loading. Lecture Notes in Mechanical Engineering, 2021, , 409-421.	0.3	0
10	Clustering of decomposed strain signal energy for durability classification. Journal of Mechanical Science and Technology, 2021, 35, 2061-2072.	0.7	0
11	Evaluation of severely damaged reinforced concrete beam repaired with epoxy injection using acoustic emission technique. Theoretical and Applied Fracture Mechanics, 2021, 112, 102890.	2.1	15
12	An Extended Thickness-Dependent Moisture Absorption Model for Unidirectional Carbon/Epoxy Composites. Polymers, 2021, 13, 440.	2.0	5
13	Assessing the magnetic flux leakage contraction parameters for the fatigue life prediction of SAE1045 steel specimens. Structures, 2021, 34, 4077-4085.	1.7	5
14	Determination of Acoustic Emissions Data Characteristics under the Response of Pencil Lead Fracture Procedure. Journal of Failure Analysis and Prevention, 2021, 21, 2064.	0.5	3
15	Correlation of Uniaxial and Multiaxial Fatigue Models for Automobile Spring Life Assessment. Experimental Techniques, 2020, 44, 197-215.	0.9	9
16	Fatigue life prediction under variable amplitude loading using a microplasticity-based constitutive model. International Journal of Fatigue, 2020, 134, 105477.	2.8	27
17	Fatigue Reliability Assessment of an Automobile Coil Spring under Random Strain Loads Using Probabilistic Technique. Metals, 2020, 10, 12.	1.0	14
18	Finite element analysis of gradient lattice structure patterns for bone implant design. International Journal of Structural Integrity, 2020, 11, 535-545.	1.8	11

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19	Detection of high stress concentration zone using magnetic flux leakage method. International Journal of Structural Integrity, 2020, 11, 615-624.	1.8	3
20	Risk-based life assessment of prediction models on suspension system for various road profiles. Engineering Failure Analysis, 2020, 114, 104573.	1.8	16
21	Durability assessment of suspension coil spring considering the multifractality of road excitations. Measurement: Journal of the International Measurement Confederation, 2020, 158, 107697.	2.5	22
22	A review on integration of lightweight gradient lattice structures in additive manufacturing parts. Advances in Mechanical Engineering, 2020, 12, 168781402091695.	0.8	126
23	The needs of power spectral density in fatigue life prediction of heavy vehicle leaf spring. Journal of Mechanical Science and Technology, 2020, 34, 2341-2346.	0.7	9
24	Prediction of Fatigue Crack Growth Rate Based on Entropy Generation. Entropy, 2020, 22, 9.	1.1	13
25	Selection of the optimum decomposition level using the discrete wavelet transform for automobile suspension system. Journal of Mechanical Science and Technology, 2020, 34, 137-142.	0.7	11
26	Ballistic performance of the steel-aluminium metal laminate panel for armoured vehicle. Journal of Mechanical Engineering and Sciences, 2020, 14, 6452-6460.	0.3	3
27	Bump Energy for Durability Prediction of Coil Spring Based on Local Regularity Analysis. International Journal of Integrated Engineering, 2020, 12, .	0.2	1
28	Assessing the Safety Behaviour of the Bus Express Driving Condition from the Passengers' Perspective. International Journal of Integrated Engineering, 2020, 12, .	0.2	0
29	Effect of loading sequences on fatigue crack growth and crack closure in API X65 steel. Marine Structures, 2019, 65, 181-196.	1.6	18
30	Evaluation of Regression Tree-Based Durability Models for Spring Fatigue Life Assessment. Structural Integrity, 2019, , 261-268.	0.8	0
31	Durability analysis using Markov chain modeling under random loading for automobile crankshaft. International Journal of Structural Integrity, 2019, 10, 454-468.	1.8	12
32	Evaluation of Energy-Based Model Generated Strain Signals for Carbon Steel Spring Fatigue Life Assessment. Metals, 2019, 9, 213.	1.0	15
33	Accelerating the fatigue analysis based on strain signal using Hilbert–Huang transform. International Journal of Structural Integrity, 2019, 10, 118-132.	1.8	6
34	Optimisation and validation of full and half foam filled double circular tube under multiple load cases. International Journal of Crashworthiness, 2019, 24, 389-398.	1.1	12
35	Reliability-based fatigue life of vehicle spring under random loading. International Journal of Structural Integrity, 2019, 10, 737-748.	1.8	29
36	Reliability assessment on automobile suspension system using wavelet analysis. International Journal of Structural Integrity, 2019, 10, 602-611.	1.8	25

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37	Fatigue life-based reliability assessment of a heavy vehicle leaf spring. International Journal of Structural Integrity, 2019, 10, 726-736.	1.8	16
38	Deformation and damage mechanisms of materials and structures. International Journal of Structural Integrity, 2019, 10, 601-601.	1.8	1
39	Determining optimal suspension system parameters for spring fatigue life using design of experiment. Mechanics and Industry, 2019, 20, 621.	0.5	0
40	Development of multiple linear regression-based models for fatigue life evaluation of automotive coil springs. Mechanical Systems and Signal Processing, 2019, 118, 675-695.	4.4	45
41	Numerical impact strain response of multi-layered steelâ€"aluminium plate using signal processing. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	3
42	Optimization of spring fatigue life prediction model for vehicle ride using hybrid multi-layer perceptron artificial neural networks. Mechanical Systems and Signal Processing, 2019, 122, 597-621.	4.4	31
43	On the need to adopt strain-based probabilistic approach in predicting fatigue life. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	8
44	Crush analysis of the foam-filled bitubal circular tube under oblique impact. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012040.	0.3	11
45	Fatigue crack growth behaviour of semi-elliptical surface cracks for an API 5L X65 gas pipeline under tension. IOP Conference Series: Materials Science and Engineering, 2018, 308, 012041.	0.3	2
46	Experimental and Numerical Investigation on the Layering Configuration Effect to the Laminated Aluminium/Steel Panel Subjected to High Speed Impact Test. Metals, 2018, 8, 732.	1.0	19
47	COMPARISON STUDY ON LIGHT STRUCTURE MODAL PARAMETER USING EXPERIMENTAL MODAL ANALYSIS METHOD VIA PIEZOFILM SENSOR. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.3	0
48	Brazed Joint Interface Bonding Strength of AR500 Steel and AA7075 Aluminium Alloy. Metals, 2018, 8, 668.	1.0	6
49	Vibration Fatigue Analysis of Carbon Steel Coil Spring under Various Road Excitations. Metals, 2018, 8, 617.	1.0	26
50	Durability Analysis for Coil Spring Suspension Based on Strain Signal Characterisation. International Journal of Engineering and Technology(UAE), 2018, 7, 104.	0.2	0
51	The need to generate entropy characteristics for fatigue life prediction in low-carbon steel. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	6
52	Crashworthiness characteristics of natural ramie/bio-epoxy composite tubes for energy absorption application. Iranian Polymer Journal (English Edition), 2018, 27, 563-575.	1.3	9
53	Generation of Artificial Road Profile for Automobile Spring Durability Analysis. Jurnal Kejuruteraan, 2018, 30, 123-128.	0.2	23
54	Entropy-Based Approach for Fatigue Crack Growth Rate of Dual-Phase Steel. International Journal of Integrated Engineering, 2018, 10, .	0.2	2

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55	Ballistic Limit of Laminated Panels with Different Joining Materials Subjected to Steel-Hardened Core Projectile. International Journal of Integrated Engineering, 2018, 10, .	0.2	6
56	Improvement of energy absorption on magnesium alloy mixed carbon-nanotube and lead reinforcement materials in terms of high velocity impact. International Journal of Integrated Engineering, 2018, 10, .	0.2	3
57	Probabilistic-Based Analysis for Damaging Features of Fatigue Strain Loadings. Frattura Ed Integrita Strutturale, 2018, 12, 84-93.	0.5	1
58	Establishing Energy-Damage Relationship for Fatigue Data Editing of Strain Loading History. International Review of Mechanical Engineering, 2018, 12, 612.	0.1	1
59	The analysis of initial probability distribution in Markov Chain model for lifetime estimation. International Journal of Integrated Engineering, 2018, 10, .	0.2	0
60	Evaluation of Reliability-based Fatigue Strain Data Analysis for an Automobile Suspension Under Various Road Condition. International Journal of Integrated Engineering, 2018, 10, .	0.2	4
61	K-means clustering analysis and artificial neural network classification of fatigue strain signals. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 757-764.	0.8	13
62	Mission profiling of road data measurement for coil spring fatigue life. Measurement: Journal of the International Measurement Confederation, 2017, 107, 99-110.	2.5	36
63	The need to generate realistic strain signals at an automotive coil spring for durability simulation leading to fatigue life assessment. Mechanical Systems and Signal Processing, 2017, 94, 432-447.	4.4	38
64	Energy Absorption Capability of Axially Compressed Woven Natural Ramie/Green Epoxy Square Composite Tubes. Journal of Reinforced Plastics and Composites, 2017, 36, 1028-1037.	1.6	15
65	Reducing cyclic testing time for components of automotive suspension system utilising the wavelet transform and the Fuzzy C-Means. Mechanical Systems and Signal Processing, 2017, 90, 1-14.	4.4	43
66	Probabilistic Scatter Band with Error Distribution for Fatigue Life Comparisons. Experimental Techniques, 2017, 41, 505-515.	0.9	4
67	Discrepancies of fatigue crack growth behaviour of API X65 steel. Journal of Mechanical Science and Technology, 2017, 31, 4719-4726.	0.7	3
68	The needs of understanding stochastic fatigue failure for the automobile crankshaft: A review. Engineering Failure Analysis, 2017, 80, 464-471.	1.8	16
69	Evaluation of Fatigue Damage Classification Based on Probabilistic Weibull Analysis. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2017, 41, 189-195.	0.8	0
70	AN INVESTIGATION ON LIGHT STRUCTURE MODAL PARAMETER BY USING EXPERIMENTAL MODAL ANALYSIS METHOD VIA PIEZOFILM SENSOR. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	1
71	The Significance to Establish a Durability Model for an Automotive Ride. , 2017, , .		4
72	Probability Analysis in Determining the Behaviour of Variable Amplitude Strain Signal Based on Extraction Segments. Latin American Journal of Solids and Structures, 2017, 14, 2141-2152.	0.6	1

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73	Discerning the Fatigue Crack Growth Behavior of API X65 Steels Under Sequence Loading. Latin American Journal of Solids and Structures, 2017, 14, 202-216.	0.6	4
74	Influence of mechanical properties on load sequence effect and fatigue life of aluminium alloy. Journal of Mechanical Engineering and Sciences, 2017, 14, 2469-2477.	0.3	5
75	Fatigue crack growth analysis on square prismatic with embedded cracks under tension loading. Journal of Mechanical Engineering and Sciences, 2017, 14, 2511-2525.	0.3	1
76	NOVEL TECHNIQUE OF MODAL ANALYSIS FOR LIGHT STRUCTURE VIA PIEZOFILM SENSOR: A COMPARISON STUDY. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	1
77	Topological and Topographical Optimization of Automotive Spring Lower Seat. Latin American Journal of Solids and Structures, 2016, 13, 1388-1405.	0.6	13
78	Finite Element Analysis and Crashworthiness Optimization of Foam-filled Double Circular under Oblique Loading. Latin American Journal of Solids and Structures, 2016, 13, 2176-2189.	0.6	11
79	GRAIN REFINEMENT AND MICROSTRUCTURE EVOLUTION IN ALUMINUM A2618 ALLOY BY HIGH-PRESSURE TORSION. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	0
80	Ballistic Limit of High-Strength Steel and Al7075-T6 Multi-Layered Plates Under 7.62-mm Armour Piercing Projectile Impact. Latin American Journal of Solids and Structures, 2016, 13, 1658-1676.	0.6	27
81	JOHNSON COOK CONSTITUTIVE MODELING FOR AUSTENITE METAL IN HOT FORMING PROCESS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	0
82	Investigating the crushing behavior of quasi-static oblique loading on polymeric foam filled pultruded composite square tubes. Composites Part B: Engineering, 2016, 95, 493-514.	5.9	42
83	Discretized Markov chain in damage assessment using Rainflow cycle with effects of mean stress on an automobile crankshaft. Journal of Mechanical Science and Technology, 2016, 30, 3539-3551.	0.7	4
84	Failure assessment of a leaf spring eye design under various load cases. Engineering Failure Analysis, 2016, 63, 146-159.	1.8	23
85	Energy absorption capability and deformation of laminated panels for armoured vehicle materials. International Journal of Automotive and Mechanical Engineering, 2016, 13, 3657-3668.	0.5	6
86	Evaluating effect of magnetic flux leakage signals on fatigue crack growth of mild steel. Journal of Mechanical Engineering and Sciences, 2016, 10, 1827-1834.	0.3	7
87	Effect of temperature on fatigue life behaviour of aluminium alloy AA6061 using analytical approach. Journal of Mechanical Engineering and Sciences, 2016, 10, 2324-2335.	0.3	16
88	Prediction of fatigue crack growth for semi-elliptical surface cracks using S-version fem under tension loading. Journal of Mechanical Engineering and Sciences, 2016, 10, 2375-2386.	0.3	5
89	Fatigue life of the magnesium alloy AZ31B under specific spectrum loading. Materialpruefung/Materials Testing, 2016, 58, 200-205.	0.8	3
90	Mode II delamination of woven mengkuang fiber/woven silk laminated hybrid composites. Materialpruefung/Materials Testing, 2016, 58, 374-380.	0.8	2

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91	Transition probabilities matrix of Markov Chain in the fatigue crack growth model. AIP Conference Proceedings, 2016, , .	0.3	0
92	KELAKUAN DELAMINASI KOMPOSIT LAMINAT HIBRID ANYAMAN GENTIAN MENGKUANG/ GENTIAN ASLI SUTERA/ EPOKSI. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
93	Damaging fatigue cycles determination for random service loadings using mixed Weibull analysis. International Journal of Automotive and Mechanical Engineering, 2016, 13, 3628-3641.	0.5	6
94	Failure observation of the AZ31B magnesium alloy and the effect of lead addition content under ballistic impact. Advances in Mechanical Engineering, 2015, 7, 168781401558542.	0.8	22
95	Statistical optimisation techniques in fatigue signal editing problem. , 2015, , .		0
96	DETECTION OF CRACKED POSITION DUE TO CYCLIC LOADING FOR FERROMAGNETIC MATERIALS BASED ON MAGNETIC MEMORY METHOD. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.3	4
97	Multi objective optimization of foam-filled circular tubes for quasi-static and dynamic responses. Latin American Journal of Solids and Structures, 2015, 12, 1126-1143.	0.6	20
98	TRI-OBJECTIVE OPTIMIZATION OF CARBON STEEL SPOT-WELDED JOINTS. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 1(	0.3	3
99	Analysis of Variable Strain Amplitude Response Caused by Impact Loading of Carbon Nanotube Reinforced Magnesium Alloy AZ31B. Procedia Engineering, 2015, 101, 10-17.	1.2	1
100	Bondability of Second Copper Wire Bonds on Silver and Nickel-Palladiumâ€"Gold-Silver Metallization. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 1541-1545.	1.4	3
101	Surface crack analysis under cyclic loads using probabilistic S-version finite element model. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 1851-1865.	0.8	9
102	Markov chain modelling of reliability analysis and prediction under mixed mode loading. Chinese Journal of Mechanical Engineering (English Edition), 2015, 28, 307-314.	1.9	5
103	Effect of wire diameter and hook location on second bond failure modes. Microelectronics International, 2015, 32, 32-36.	0.4	5
104	Non-linear finite element analysis of bitubal circular tubes for progressive and bending collapses. International Journal of Mechanical Sciences, 2015, 99, 228-236.	3.6	27
105	Generating strain signals under consideration of road surface profiles. Mechanical Systems and Signal Processing, 2015, 60-61, 485-497.	4.4	34
106	Behavioural observation of laminated polymer composite under uniaxial quasi-static and cyclic loads. Fibers and Polymers, 2015, 16, 640-649.	1.1	11
107	Time and dose-dependent effects of Labisia pumila on the bone strength of postmenopausal osteoporosis rat model. BMC Complementary and Alternative Medicine, 2015, 15, 58.	3.7	13
108	Development of Tool Wear Machining Monitoring Using Novel Statistical Analysis Method, I-kazâ„¢. Procedia Engineering, 2015, 101, 355-362.	1.2	24

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109	Optimization of foam-filled double circular tubes under axial and oblique impact loading conditions. Thin-Walled Structures, 2015, 87, 1-11.	2.7	92
110	Vibration analysis of self-healing hybrid composite beam under moving mass. Composite Structures, 2015, 119, 463-476.	3.1	8
111	Investigating the fatigue failure characteristics of A283 Grade C steel using magnetic flux detection. Steel and Composite Structures, 2015, 19, 601-614.	1.3	1
112	Fatigue crack effect on magnetic flux leakage for A283 grade C steel. Steel and Composite Structures, 2015, 19, 1549-1560.	1.3	15
113	EFFECT OF PROCESS PARAMETERS ON THE MECHANICAL PROPERTIES AND FAILURE BEHAVIOR OF SPOT WELDED LOW CARBON STEEL. Journal of Mechanical Engineering and Sciences, 2015, 8, 1489-1497.	0.3	8
114	Reliability analysis and prediction for time to failure distribution of an automobile crankshaft. Eksploatacja I Niezawodnosc, 2015, 17, 408-415.	1.1	12
115	Targeted Delivery of Lovastatin and Tocotrienol to Fracture Site Promotes Fracture Healing in Osteoporosis Model: Micro-Computed Tomography and Biomechanical Evaluation. PLoS ONE, 2014, 9, e115595.	1.1	28
116	Material Property Characterisation Method Using Vibro-Acoustic Signals. Applied Mechanics and Materials, 2014, 663, 447-452.	0.2	0
117	Investigating the quasi-static axial crushing behavior of polymeric foam-filled composite pultrusion square tubes. Materials & Design, 2014, 63, 446-459.	5.1	42
118	Monitoring the Petrol Engine Oil Viscosity: Investigation of the Capability of the Metal Magnetic Memory Technology. Applied Mechanics and Materials, 2014, 663, 453-458.	0.2	0
119	Skin Friction Coefficient and Boundary Layer Trend on UKM Aster i-Bond. Applied Mechanics and Materials, 2014, 629, 450-455.	0.2	0
120	Genetic Algorithm-Based Fatigue Data Editing Technique. Applied Mechanics and Materials, 2014, 663, 431-436.	0.2	0
121	Solid state self-healing system: Effects of using PDGEBA, PVC and PVA as linear healing agents. , 2014, , .		0
122	Time-series identification of fatigue strain data using decomposition method. , 2014, , .		0
123	Suspension Parametric Analysis of Conventional Bus through Finite Element Modal Simulation. Applied Mechanics and Materials, 2014, 663, 163-168.	0.2	2
124	Application of the Wavelet Transforms for Compressing Lower Suspension Arm Strain Data. Applied Mechanics and Materials, 2014, 663, 78-82.	0.2	0
125	Multi-Objective Optimization of Aluminum Foam Double Tube Subjected to Oblique Impact Loading for Automobile Bumper Beam. Applied Mechanics and Materials, 2014, 663, 93-97.	0.2	9
126	A review of the fatigue failure mechanism of metallic materials under a corroded environment. Engineering Failure Analysis, 2014, 42, 353-365.	1.8	53

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127	On the need to decompose fatigue strain signals associated to fatigue life assessment of the AISI 1045 carbon steel. Materials & Design, 2014, 57, 405-415.	5.1	2
128	Evaluating ultrasound signals of carbon steel fatigue testing using signal analysis approaches. Journal of Central South University, 2014, 21, 232-241.	1.2	3
129	Evaluating instrumented Charpy impact strain signals using curve fitting equations. Journal of Central South University, 2014, 21, 600-609.	1.2	4
130	Predicting the fatigue life of the SAE 1045 steel using an empirical Weibull-based model associated to acoustic emission parameters. Materials & Design, 2014, 54, 1039-1048.	5.1	31
131	Failure characterisation in polymer matrix composite for un-notched and notched (open-hole) specimens under tension condition. Fibers and Polymers, 2014, 15, 1729-1738.	1.1	18
132	Fatigue life prediction of parabolic leaf spring under various road conditions. Engineering Failure Analysis, 2014, 46, 92-103.	1.8	36
133	Investigation of the behaviour of a chopped strand mat/woven roving/foam-Klegecell composite lamination structure during Charpy testing. Materials & Design, 2014, 59, 475-485.	5.1	20
134	FCM-based Optimisation to Enhance the Morlet Wavelet Ability for Compressing Suspension Strain Data. , 2014, 3, 288-294.		3
135	Ungkapan Kamiran-J Retak Permukaan pada Bar Silinder Padu Kenaan Beban Ragam I. Jurnal Teknologi (Sciences and Engineering), 2014, 68, .	0.3	3
136	Ride Quality Assessment of Bus Suspension System through Modal Frequency Response Approach. Advances in Mechanical Engineering, 2014, 6, 269721.	0.8	7
137	Behavior of Chopped Strand Mat and Woven Roving under Bending. Materialpruefung/Materials Testing, 2014, 56, 994-1000.	0.8	2
138	Effect of Applied Load in the Nanoindentation of Gold Ball Bonds. Journal of Electronic Materials, 2013, 42, 1063-1072.	1.0	5
139	Fatigue features extraction of road load time data using the S-transform. International Journal of Automotive Technology, 2013, 14, 805-815.	0.7	9
140	Time Domain Analysis Method of the Impulse Vibro-acoustic Signal for Fatigue Strength Characterisation of Metallic Material. Procedia Engineering, 2013, 66, 539-548.	1.2	4
141	Fatigue Damage Analysis on Aluminium Alloy Specimens Under Strain Loading Sequences Associating with the Kurtosis-based Coefficient. Procedia Engineering, 2013, 66, 626-634.	1.2	2
142	Frequency Analysis of Personality Development in Malaysian Engineering Students Influenced by German Sojourn. Procedia, Social and Behavioral Sciences, 2013, 102, 55-63.	0.5	1
143	Influence of spectrum loading sequences on fatigue life in a high-temperature environment. Engineering Failure Analysis, 2013, 30, 111-123.	1.8	22
144	Strength distribution of Au ball bond using nanoindentation approach. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 577, 189-196.	2.6	4

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145	Fatigue Damage Assessment Correlating with I-Kaz Coefficient. Applied Mechanics and Materials, 2013, 471, 235-240.	0.2	0
146	Life Prediction of SAE 1045 Carbon Steel Using the Acoustic Emission Parameter. Applied Mechanics and Materials, 2013, 471, 329-334.	0.2	1
147	Monitoring System of Fuel Injector Using Piezoelectric Sensors. Applied Mechanics and Materials, 2013, 471, 223-228.	0.2	1
148	Fatigue Crack Growth Analysis of Semielliptical Surface Crack. Applied Mechanics and Materials, 2013, 471, 293-298.	0.2	1
149	Effect of Nanoindentation Loading Rate on Gold Ball Bond. Materials Science Forum, 2013, 756, 151-155.	0.3	0
150	Effect of Nitriding Cold Roled and Shot Peening on Automotive Component Fatigue Life. Applied Mechanics and Materials, 2013, 471, 324-328.	0.2	0
151	A Study on Characteristic of Polymer Matrix Composites Using Experimental and Statistical Approach. Applied Mechanics and Materials, 2013, 368-370, 683-686.	0.2	1
152	Direct Measurement and Evaluation for Mechanical Engineering Programme Outcomes: Impact on Continuous Improvement. International Education Studies, 2013, 6, .	0.3	0
153	Elevated Temperature Fatigue Life Investigation of Aluminium Alloy based on the Predicted S-N Curve. Jurnal Teknologi (Sciences and Engineering), 2013, 63, .	0.3	4
154	Quantitative Relationship between Strain and Acoustic Emission Response in Monitoring Fatigue Damage. Jurnal Teknologi (Sciences and Engineering), 2013, 66, .	0.3	0
155	Curriculum Development Based on the Big Picture Assessment of the Mechanical Engineering Program. International Education Studies, 2013, 6, .	0.3	1
156	Acoustic Emission Evaluation of Fatigue Life Prediction for a Carbon Steel Specimen using a Statistical-Based Approach. Materialpruefung/Materials Testing, 2013, 55, 487-495.	0.8	2
157	Assessment of Fatigue Behaviour under Different Loading Sequences Using Signal Analysis Approaches. Materialpruefung/Materials Testing, 2013, 55, 168-178.	0.8	1
158	Fatigue Failure Assessment of Metallic Specimens Using the Acoustic Emission Technique. Materialpruefung/Materials Testing, 2013, 55, 310-318.	0.8	1
159	Fatigue Behaviour Monitoring of an AISI 1045 Carbon Steel using the Statistical-Based Z-Notched Approach. Materialpruefung/Materials Testing, 2013, 55, 361-368.	0.8	1
160	Self-Tuning Varri Method in Preparing Fatigue Segment. Jurnal Teknologi (Sciences and Engineering), 2013, 63, .	0.3	0
161	Ultrasound Signals Response Associated to Fatigue Failure Behaviour using Statistical Analysis. Jurnal Teknologi (Sciences and Engineering), 2013, 65, .	0.3	0
162	Tocotrienol Supplementation Improves Late-Phase Fracture Healing Compared to Alpha-Tocopherol in a Rat Model of Postmenopausal Osteoporosis: A Biomechanical Evaluation. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-7.	0.5	15

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163	*Labisia pumila* Prevents Complications of Osteoporosis by Increasing Bone Strength in a Rat Model of Postmenopausal Osteoporosis. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-7.	0.5	15
164	Characterisation of the Sound and Vibration Signal of Impact Testing on Automotive Component Materials. Applied Mechanics and Materials, 2012, 165, 135-139.	0.2	1
165	Correlating Strain and Acoustic Emission Signals of Metallic Component Using Global Signal Statistical Approach. Advanced Materials Research, 2012, 445, 1064-1069.	0.3	5
166	Wear Monitoring of Connecting Rod Bearing via Air-Borne Method Analyzed by Using I-Kaz^{TM} Multi Level Value. Advanced Materials Research, 2012, 445, 941-946.	0.3	2
167	Nanoindentation creep analysis of gold ball bond. , 2012, , .		1
168	Some thoughts on bondability and strength of gold wire bonding. Gold Bulletin, 2012, 45, 115-125.	1.1	23
169	Implementation of OBE in the Engineering Graphics Course and Analysis of Academic Performance. Procedia, Social and Behavioral Sciences, 2012, 60, 184-188.	0.5	4
170	Evaluation of the Engineering Graphics Course Outcomes using Multi-Choice Questions. Procedia, Social and Behavioral Sciences, 2012, 60, 189-195.	0.5	1
171	The effects of alpha-tocopherol supplementation on fracture healing in a postmenopausal osteoporotic rat model. Clinics, 2012, 67, 1077-1085.	0.6	26
172	Stress intensity factors under combined bending and torsion moments. Journal of Zhejiang University: Science A, 2012, 13, 1-8.	1.3	15
173	Observation of the Fatigue Crack Propagation Rate of an Aluminum Alloy Specimen under Fatigue Spectrum Loadings. Materialpruefung/Materials Testing, 2012, 54, 663-673.	0.8	0
174	Fatigue Failure Behaviour Study of Automotive Lower Suspension Arm. Key Engineering Materials, 2011, 462-463, 796-800.	0.4	2
175	Pattern of changes in personality traits and self-esteem among UKM-UDE Double degree students. , 2011, , .		2
176	Difficulty Index of Examinations and Their Relation to the Achievement of Programme Outcomes. Procedia, Social and Behavioral Sciences, 2011, 18, 71-80.	0.5	22
177	MUET Score and Loadings Hour: An Analysis On The Relationship Towards Academic Performance. Procedia, Social and Behavioral Sciences, 2011, 18, 103-109.	0.5	2
178	Personality Traits Orientation of University Kebangsaan Malaysia (UKM) and UKM - University Duisburg-Essen (UDE) Engineering Students. Procedia, Social and Behavioral Sciences, 2011, 18, 196-203.	0.5	2
179	Contribution to the Understanding of Cultural Dynamics in Co-operation between Malaysia and Germany. Procedia, Social and Behavioral Sciences, 2011, 18, 204-212.	0.5	3
180	Systematic Infusion of Creativity in Engineering Design Courses. Procedia, Social and Behavioral Sciences, 2011, 18, 255-259.	0.5	2

#	Article	IF	Citations
181	Internationalisation and Its Implications for Intercultural Maturity among Academic Staff: A Case Study. Procedia, Social and Behavioral Sciences, 2011, 18, 575-584.	0.5	4
182	Extracted Fatigue Damaging Events Using the Morlet Wavelet-based Algorithm. HKIE Transactions, 2011, 18, 22-29.	1.9	1
183	Gamma Irradiation Effect on Load-Deflection Curve of Semiconductor Package. Advanced Materials Research, 2011, 399-401, 912-915.	0.3	1
184	J-Integral Evaluation in Two Dimensional Interacting Cracks. Advanced Materials Research, 2011, 214, 55-59.	0.3	1
185	A Statistical Based Analysis Approach on Fatigue Failure Assessment of Carbon Steel. Applied Mechanics and Materials, 2011, 52-54, 1445-1450.	0.2	6
186	Crack Closure Behavior under High-Load Ratio for AISI 4340 Steel. Key Engineering Materials, 2011, 462-463, 54-58.	0.4	0
187	Observing Load Sequence Effects on Simulated and Experimental Fatigue Crack Growth Occurrence. Key Engineering Materials, 2011, 462-463, 489-494.	0.4	4
188	J-Integral Analysis of Surface Cracks in Round Bars under Bending Moments. Applied Mechanics and Materials, 2011, 52-54, 43-48.	0.2	1
189	Durability Assessment of Quad Flat No-Lead Package Using Signal Analysis. Key Engineering Materials, 2011, 462-463, 236-240.	0.4	0
190	The Study of Underfill Epoxy Hardness in Reducing Curing Process Time for Flip Chip Packaging. Key Engineering Materials, 2011, 462-463, 1194-1199.	0.4	0
191	Perforated Plate Backing with Coconut Fiber as Sound Absorber for Low and Mid Range Frequencies. Key Engineering Materials, 2011, 462-463, 1284-1289.	0.4	1
192	Experimental Analysis of an Instrumented Charpy Impact Using Signal Processing Approach. Advanced Materials Research, 2011, 197-198, 1621-1625.	0.3	1
193	Stress Distribution Effect on a Stacked-Die QFN Package Manufacturing Processes. Key Engineering Materials, 2011, 462-463, 1273-1278.	0.4	1
194	Characterisations of Cu-Based Coated Al7075 via Plasma-Spray Technique. Key Engineering Materials, 2011, 462-463, 313-318.	0.4	0
195	Fatigue Data Analysis Using Continuous Wavelet Transform and Discrete Wavelet Transform. Key Engineering Materials, 2011, 462-463, 461-466.	0.4	1
196	Fatigue Damage Assessment of the Engine Mount Bracket Using a Statistical Based Approach. Advanced Materials Research, 2011, 197-198, 1631-1635.	0.3	7
197	Analysis of an Instrumented Charpy Impact Using Power Spectrum Density. Key Engineering Materials, 2011, 462-463, 130-135.	0.4	1
198	The re-evaluation of mechanical properties of wire bonding. , 2011, , .		1

#	Article	IF	Citations
199	Investigation of Creep Fatigue Crack Propagation in Aluminium Tube. Key Engineering Materials, 2011, 462-463, 541-546.	0.4	0
200	Fatigue Failure Analysis Using the Theory of Critical Distance. Key Engineering Materials, 2011, 462-463, 663-667.	0.4	4
201	Hardness Variation of Ball Bond Wire Bonding. Advanced Materials Research, 2011, 399-401, 1048-1051.	0.3	1
202	Effects of calcium supplements on fracture healing in a rat osteoporotic model. Journal of Orthopaedic Research, 2010, 28, 1651-1656.	1.2	47
203	Comparative Study on Data Editing Techniques for Fatigue Time Series Signals. Advanced Materials Research, 2010, 146-147, 1681-1684.	0.3	5
204	Hardness Test on an Epoxy Mold Compounds of a Quad Flat No Lead Package Using the Depth Sensing Nanoindentation. Advanced Materials Research, 2010, 146-147, 1000-1003.	0.3	3
205	An Optimization of Two-Steps Curing Profile to Eliminate Voids Formation in Underfill Epoxy for Hi-CTE Flip Chip Packaging. Advanced Materials Research, 2010, 97-101, 23-27.	0.3	5
206	FAILURE ANALYSIS OF A SEMICONDUCTOR PACKAGING LEADFRAME USING THE SIGNAL PROCESSING APPROACH. International Journal of Modern Physics B, 2010, 24, 175-182.	1.0	6
207	Investigation on students' personality development of UKM-UDE double degree programme. , 2010, , .		4
208	On the Need of Kurtosis-Based Technique to Evaluate the Fatigue Life of a Coil Spring. , 2009, , .		3
209	A Weighted Genetic Algorithm Based Method for Clustering of Heteroscaled Datasets. , 2009, , .		4
210	Time Series Behaviour of Lower Arm Suspension Fatigue Data Using Classical Decomposition Method. , 2009, , .		0
211	Analysis of Fatigue Road Loading Using The Average Statistical Method. Jurnal Kejuruteraan, 2009, 21, 21-32.	0.2	0
212	Probabilistic Analysis of Cracked Structures With Uncertainty Parameters. Advanced Materials Research, 2008, 33-37, 223-228.	0.3	1
213	Use of Strain-Life Models With Wavelet Bump Extraction (WBE) for Predicting Fatigue Damage. Jurnal Kejuruteraan, 2008, 20, 33-44.	0.2	1
214	Heat Transfer Analysis In Magnet Housing of Linear Generator Using Finite Element Method. Jurnal Kejuruteraan, 2008, 20, 125-133.	0.2	1
215	A model of driver's lane-changing behaviour at an urban signalised intersection. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2150029-2150030.	0.2	1
216	An evaluation of test statistics for detecting temporary change in Bl(1,1,1,1) models. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2030041-2030042.	0.2	0

#	Article	IF	Citations
217	Accelerated Fatigue Tests of BS 080A42 Steel Using the WBE Mission Loadings. Key Engineering Materials, 2006, 326-328, 1023-1026.	0.4	0
218	Subsurface Deformation of Worn Al-Cu and Al-Mg Alloys. Advanced Materials Research, 0, 33-37, 483-488.	0.3	0
219	Three-Point Bending Test Behaviour of a QFN Semiconductor Package. Advanced Materials Research, 0, 97-101, 7-10.	0.3	0
220	Characterization of 0.5 Âµm BiCMOS Gate Oxide Using Time Dependent Dielectric Breakdown Test. Advanced Materials Research, 0, 97-101, 40-44.	0.3	0
221	Nanoindentation Test for the Stiffness Distribution Analysis of Bonded Au Ball Bonds. Advanced Materials Research, 0, 154-155, 674-677.	0.3	2
222	Effects of Load Sequence on Fatigue Crack Growth in Pressure Vessels. Advanced Materials Research, 0, 160-162, 1217-1222.	0.3	4
223	Impact Test on Steel Structures - An Experimental Investigation. Advanced Materials Research, 0, 146-147, 1514-1518.	0.3	0
224	Nanoindentation Test for the Strength Distrubution Analysis of Bonded Au Ball Bonds. Advanced Materials Research, 0, 148-149, 1163-1166.	0.3	3
225	Nanoindentation Approach for Evaluation of Process Parameters Effect on the Strength of Bonded Au Ball Bonds. Advanced Materials Research, 0, 148-149, 1129-1132.	0.3	0
226	Evaluating Charpy Impact Signals with Different Frequencies Using Power Spectrum Densities. Advanced Materials Research, 0, 156-157, 1518-1521.	0.3	0
227	Elastic-Plastic Analysis of Surface Crack in Round Bars under Torsion. Key Engineering Materials, 0, 462-463, 651-656.	0.4	2
228	Finite Element Analysis on the Stress Intensity Factor under Combined Bending and Torsion Loading. Key Engineering Materials, 0, 462-463, 1325-1330.	0.4	0
229	Mode III Stress Intensity Factors of Surface Crack in Round Bars. Advanced Materials Research, 0, 214, 192-196.	0.3	12
230	Optimising Real-Time Performance of Genetic Algorithm Clustering Method. Key Engineering Materials, 0, 462-463, 223-229.	0.4	0
231	Adaptive Neural Network Modelling in Fatigue life Prediction under Load History effects. Advanced Materials Research, 0, 284-286, 1266-1270.	0.3	0
232	J-Integral Analysis of Surface Cracks in Round Bars under Tension Loadings. Applied Mechanics and Materials, 0, 52-54, 37-42.	0.2	0
233	FEA Based Fatigue Life Estimation of Automotive Component Correlated with Fatigue Data Editing Technique. Advanced Materials Research, 0, 264-265, 657-662.	0.3	0
234	Acoustic Emission Study of Corrosion Fatigue and Fatigue for API 5L X70 Gas Pipeline Steel. Applied Mechanics and Materials, 0, 138-139, 635-639.	0.2	1

#	Article	IF	Citations
235	Effect of Hook Location for Ultra Fine Pitch Wirebonding Pull Testing Method. Key Engineering Materials, 0, 462-463, 1279-1283.	0.4	0
236	Establishment of Remanufacturing Index for Locally Manufactured Automotive Components. Key Engineering Materials, 0, 486, 77-80.	0.4	5
237	Durability Analysis of an Automobile Coil Spring Using Hybrid I-Kaz. Key Engineering Materials, 0, 462-463, 472-477.	0.4	0
238	Comparative Study of the Strain Signal and the Edited Strain Signal. Advanced Materials Research, 0, 264-265, 1592-1597.	0.3	1
239	Variable Amplitude Loading Strains Data Distribution Using Probability Density Function and Power Spectral Density. Key Engineering Materials, 0, 462-463, 1115-1120.	0.4	0
240	Simulation and Experimental Analysis of Fatigue Crack Growth under Cyclic Loading. Key Engineering Materials, 0, 462-463, 501-505.	0.4	0
241	Fatigue Crack Growth Prediction of Thick Wall Cylinder under Variable Amplitude Loading. Key Engineering Materials, 0, 462-463, 1337-1342.	0.4	0
242	J-Integral Analysis of Surface Cracks in Round Bars under Combined Loadings. Advanced Materials Research, 0, 214, 187-191.	0.3	1
243	Effects of Different Fillers on Microstructure and Tensile Properties of Welded AA6061-T6. Key Engineering Materials, 0, 462-463, 1189-1193.	0.4	6
244	The Development of Validation Technique in Variable Amplitude Loadings Strain Repetitive Data Collection. Key Engineering Materials, 0, 462-463, 337-342.	0.4	0
245	Microstructural Behaviour Study and FEA-Based Fatigue Simulation on Parabolic Leaf Spring. Key Engineering Materials, 0, 462-463, 419-424.	0.4	0
246	Vibrational Fatigue Analysis of a Strain Loading Using the Frequency and Wavelet Filtering Methods. Key Engineering Materials, 0, 462-463, 124-129.	0.4	0
247	Analytical Concepts for Recent Development in Fatigue Crack Growth under Variable Amplitude Loading. Part I: Qualitative Interpretation. Key Engineering Materials, 0, 462-463, 59-64.	0.4	1
248	Effect of Plasma Spray Variables on Cu-Ni Coated A7075. Key Engineering Materials, 0, 462-463, 692-697.	0.4	1
249	Computation of Stress Intensity Factor for Multiple Cracks Using Singular Finite Element. Advanced Materials Research, 0, 214, 75-79.	0.3	1
250	The Study on Fatigue Crack Propagation in Metal Using Finite Element Analysis. Key Engineering Materials, 0, 462-463, 657-662.	0.4	0
251	Fatigue Life Assessment of Aluminium Alloy 6061 Specimen Using Signal Analysis Approach for Automotive Components. Applied Mechanics and Materials, 0, 165, 26-30.	0.2	0
252	On the Crushing Behavior of Foam-Filled Composite Tubes under Compressive Loading. Advanced Materials Research, 0, 626, 1038-1041.	0.3	8

#	Article	IF	Citations
253	Impact Performance of Low Carbon Steel Safety Beams for Car Doors. Applied Mechanics and Materials, 0, 165, 247-251.	0.2	0
254	Experimental and Analytical Durability Assessment of SAE 1045 Steel under Service Loadings. Applied Mechanics and Materials, 0, 165, 83-87.	0.2	0
255	A Study on Validation of Fatigue Damage Clustering Analysis Technique Based on Clustering Validation Index. Applied Mechanics and Materials, 0, 165, 140-144.	0.2	2
256	Energy Absorption of Hybrid Composite Tubes under Axial Compression. Applied Mechanics and Materials, 0, 446-447, 109-112.	0.2	0
257	A Study of Engine Monitoring System Using Statistical Method. Applied Mechanics and Materials, 0, 471, 193-196.	0.2	0
258	Durability Analysis of Motorcycle Frame Using Fatigue I-Kaz Technique. Applied Mechanics and Materials, 0, 471, 213-217.	0.2	0
259	Mathematical Model of Elastic Crack Interaction and Two-Dimensional Finite Element Analysis Based on Griffith Energy Release Rate. Advanced Materials Research, 0, 795, 587-590.	0.3	4
260	Fatigue Failures of Differences Behaviour on CSM/Woven Roving Composite Materials. Applied Mechanics and Materials, 0, 471, 335-340.	0.2	5
261	The Morlet and Daubechies Wavelet Transforms for Fatigue Strain Signal Analysis. Applied Mechanics and Materials, 0, 471, 197-202.	0.2	3
262	Microstructure and Properties of Heat-Treated 440C Martensitic Stainless Steel. Defect and Diffusion Forum, 0, 334-335, 105-110.	0.4	2
263	Analysis of Crushing Laminated Composite Square Tubes under Quasi-Static Loading. Applied Mechanics and Materials, 0, 446-447, 113-116.	0.2	2
264	Wavelet-Based Feature Extraction Algorithm for Fatigue Strain Data Associated with the <i>k</i>-Means Clustering Technique. Advanced Materials Research, 0, 891-892, 1717-1722.	0.3	0
265	The Assessment of Material Characteristic Using Vibration Signal Analysis during Drilling Process. Applied Mechanics and Materials, 0, 598, 3-7.	0.2	0
266	Strong Shielding Interaction Analysis Using J-Integral. Applied Mechanics and Materials, 0, 695, 511-515.	0.2	0
267	Comparison of Young's Modulus Property Determination of Metallic Materials under Two Statistical Analysis Methods. Advanced Materials Research, 0, 894, 186-191.	0.3	0
268	Determining the Behaviour of Fatigue Strain Histories of Vehicle Coil Springs by Using Statistical Inferences. Applied Mechanics and Materials, 0, 786, 409-414.	0.2	3
269	Bondability and Strength Evaluation of Gold Ball Bond Using Nanoindentation Approach. Key Engineering Materials, 0, 700, 132-141.	0.4	0
270	Mechanical Interlocking on Leadframe Surface for Bondability of Au Wedge Bond. Materials Science Forum, 0, 857, 79-82.	0.3	0

#	Article	IF	Citations
271	Ultrasonic Vibration in Leadframe for the Bondability for Au Wedge Bond. Materials Science Forum, 0, 857, 83-86.	0.3	0