Abdel Magid Salem Hamouda

List of Publications by Year
in descending order

300	8,226	44069	79698
papers	citations	48 h-index	73 g-index

313	313	313	6277
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elastic properties of chiral, anti-chiral, and hierarchical honeycombs: A simple energy-based approach. Theoretical and Applied Mechanics Letters, 2016, 6, 81-96.	2.8	249
2	Design of thin wall structures for energy absorption applications: Enhancement of crashworthiness due to axial and oblique impact forces. Thin-Walled Structures, 2013, 71, 7-17.	5.3	223
3	Wear resistance investigation of titanium nitride-based coatings. Ceramics International, 2015, 41, 10349-10379.	4.8	206
4	A Review on Fatigue Life Prediction Methods for Metals. Advances in Materials Science and Engineering, 2016, 2016, 1-26.	1.8	180
5	Axial crushing behavior and energy absorption efficiency of corrugated tubes. Materials & Design, 2014, 54, 1028-1038.	5.1	161
6	Condition-based maintenance for continuously monitored degrading systems with multiple failure modes. IIE Transactions, 2013, 45, 422-435.	2.1	141
7	Hierarchical honeycomb auxetic metamaterials. Scientific Reports, 2016, 5, 18306.	3.3	140
8	A continuum model with a percolation threshold and tunneling-assisted interfacial conductivity for carbon nanotube-based nanocomposites. Journal of Applied Physics, 2014, 115, .	2.5	133
9	An investigation into hybrid carbon/glass fiber reinforced epoxy composite automotive drive shaft. Materials & Design, 2011, 32, 1485-1500.	5.1	132
10	Analysis of functionally graded rotating disks with variable thickness. Mechanics Research Communications, 2008, 35, 283-309.	1.8	130
11	Quasi-static axial and lateral crushing of radial corrugated composite tubes. Thin-Walled Structures, 2008, 46, 320-332.	5.3	128
12	Effect of multi-pass friction stir processing on the microstructure, mechanical and wear properties of AA5083/ZrO2 nanocomposites. Journal of Alloys and Compounds, 2017, 726, 1262-1273.	5.5	108
13	Mechanics of anisotropic hierarchical honeycombs. International Journal of Mechanical Sciences, 2014, 81, 126-136.	6.7	104
14	Influence of TiO2 nanoparticles incorporation to friction stir welded 5083 aluminum alloy on the microstructure, mechanical properties and wear resistance. Journal of Alloys and Compounds, 2017, 712, 795-803.	5.5	103
15	Crushing response of composite corrugated tubes to quasi-static axial loading. Composite Structures, 2004, 66, 665-671.	5.8	99
16	Numerical simulation of casting solidification in permanent metallic molds. Journal of Materials Processing Technology, 2006, 178, 29-33.	6.3	98
17	Mechanical and thermal stresses in a functionally graded rotating disk with variable thickness due to radially symmetry loads. International Journal of Pressure Vessels and Piping, 2009, 86, 357-372.	2.6	94
18	Age replacement models: A summary with new perspectives and methods. Reliability Engineering and System Safety, 2017, 161, 95-105.	8.9	92

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19	Finite element analysis of corrugated web beams under bending. Journal of Constructional Steel Research, 2002, 58, 1391-1406.	3.9	90
20	Interface effects on the viscoelastic characteristics of carbon nanotube polymer matrix composites. Mechanics of Materials, 2013, 58, 1-11.	3.2	90
21	Simulation and experimental study of underwater dissimilar friction-stir welding between aluminium and steel. Journal of Materials Research and Technology, 2020, 9, 3767-3781.	5.8	90
22	The effect of fiber orientation on the energy absorption capability of axially crushed composite tubes. Materials & Design, 2014, 56, 923-928.	5.1	87
23	An adaptive-learning algorithm to solve the inverse kinematics problem of a 6 D.O.F serial robot manipulator. Advances in Engineering Software, 2006, 37, 432-438.	3.8	86
24	Artificial neural network-based kinematics Jacobian solution for serial manipulator passing through singular configurations. Advances in Engineering Software, 2010, 41, 359-367.	3.8	82
25	Testing of composite materials at high rates of strain: advances and challenges. Journal of Materials Processing Technology, 1998, 77, 327-336.	6.3	81
26	Fabrication of fiber reinforced metal matrix composites by squeeze casting technology. Journal of Materials Processing Technology, 2006, 178, 34-38.	6.3	77
27	Bending behaviour of corrugated web beams. Journal of Materials Processing Technology, 2004, 150, 242-254.	6.3	76
28	Effect of hybridisation on crushing behaviour of carbon/glass fibre/epoxy circularâ€“cylindrical shells. Journal of Materials Processing Technology, 2003, 132, 49-57.	6.3	74
29	Development of new magnesium based alloys and their nanocomposites. Journal of Alloys and Compounds, 2011, 509, 8522-8529.	5.5	74
30	Spiderweb honeycombs. International Journal of Solids and Structures, 2015, 66, 218-227.	2.7	72
31	Percolation threshold and electrical conductivity of a two-phase composite containing randomly oriented ellipsoidal inclusions. Journal of Applied Physics, 2011, 110, .	2.5	71
32	Compact UWB Band-Notched Antenna with Integrated Bluetooth for Personal Wireless Communication and UWB Applications. Electronics (Switzerland), 2019, 8, 158.	3.1	69
33	Impact resistance and energy absorption of regular and functionally graded hexagonal honeycombs with cell wall material strain hardening. International Journal of Mechanical Sciences, 2014, 89, 413-422.	6.7	68
34	Finite element evaluation of projectile nose angle effects in ballistic perforation of high strength fabric. Composite Structures, 2009, 87, 314-320.	5.8	67
35	Bending behavior of lightweight sandwich-walled shells with pyramidal truss cores. Composite Structures, 2014, 116, 793-804.	5.8	62
36	A new motorcycle helmet liner material: The finite element simulation and design of experiment optimization. Materials & Design, 2007, 28, 182-195.	5.1	61

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37	Energy absorption capability of composite hexagonal ring systems. Materials & Design, 2012, 34, 201-210.	5.1	60
38	Design and fabrication of low cost filament winding machine. Materials & Design, 2007, 28, 234-239.	5.1	59
39	Enhancing tensile and compressive strength of magnesium using ball milled Al+CNT reinforcement. Composites Science and Technology, 2012, 72, 290-298.	7.8	59
40	Quasi-static crushing behaviour of hybrid and non-hybrid natural fibre composite solid cones. Composite Structures, 2004, 66, 647-663.	5.8	58
41	Enhanced simulated-annealing-based algorithms and their applications to process planning in reconfigurable manufacturing systems. Advances in Engineering Software, 2012, 45, 80-90.	3.8	58
42	Synthesis and Characterization of Nano Boron Nitride Reinforced Magnesium Composites Produced by the Microwave Sintering Method. Materials, 2013, 6, 1940-1955.	2.9	57
43	Thermo elastic analysis of a functionally graded rotating disk with small and large deflections. Thin-Walled Structures, 2007, 45, 677-691.	5.3	56
44	Nonlocal damage modelling in clay/epoxy nanocomposites using a multiscale approach. Journal of Computational Science, 2016, 15, 18-23.	2.9	56
45	Vibration of rotating functionally graded Timoshenko nano-beams with nonlinear thermal distribution. Mechanics of Advanced Materials and Structures, 2018, 25, 467-480.	2.6	55
46	Many aspects to improve damage tolerance of collapsible composite energy absorber devices. Composite Structures, 2005, 67, 175-187.	5.8	52
47	Thermo elastic analysis of functionally graded rotating disks with temperature-dependent material properties: uniform and variable thickness. International Journal of Mechanics and Materials in Design, 2009, 5, 263-279.	3.0	52
48	Using integrated hybrid (Al+CNT) reinforcement to simultaneously enhance strength and ductility of magnesium. Composites Science and Technology, 2011, 71, 734-741.	7.8	52
49	Effect of microstructural evolution on wettability and tribological behavior of TiO2 nanotubular arrays coated on Tiâ€“6Alâ€“4V. Ceramics International, 2015, 41, 7952-7962.	4.8	52
50	Modified genetic algorithms for manufacturing process planning in multiple parts manufacturing lines. Expert Systems With Applications, 2011, 38, 10770-10779.	7.6	51
51	A novel axially half corrugated thin-walled tube for energy absorption under Axial loading. Thin-Walled Structures, 2019, 145, 106418.	5.3	51
52	Electrodeposition of flower-like platinum on electrophoretically grown nitrogen-doped graphene as a highly sensitive electrochemical non-enzymatic biosensor for hydrogen peroxide detection. Applied Surface Science, 2016, 386, 418-426.	6.1	48
53	Experimental and theoretical studies on axially crushed corrugated metal tubes. International Journal of Non-Linear Mechanics, 2018, 101, 86-94.	2.6	47
54	Bird strike analysis on a typical helicopter windshield with different lay-ups. Journal of Mechanical Science and Technology, 2014, 28, 1381-1392.	1.5	45

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55	Thermo-mechanical vibration of rotating axially functionally graded nonlocal Timoshenko beam. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	45
56	The influence of humidity on the deformation and fracture behaviour of PMMA. Journal of Materials Processing Technology, 2002, 124, 238-243.	6.3	44
57	Energy absorption capability of laterally loaded segmented composite tubes. Composite Structures, 2005, 70, 356-373.	5.8	43
58	Ti/TiN/HA coating on Tiâ€“6Alâ€“4V for biomedical applications. Ceramics International, 2015, 41, 14447-14457.	4.8	43
59	Nonlinear thermal buckling of axially functionally graded micro and nanobeams. Composite Structures, 2017, 168, 428-439.	5.8	43
60	Bending fatigue behavior of hybrid aluminum/composite drive shafts. Materials & Design, 2007, 28, 329-334.	5.1	42
61	Severe plastic deformation of tubular AA 6061 via equal channel angular pressing. Materials and Design, 2016, 90, 1124-1135.	7.0	42
62	Motorcycle helmet. Journal of Materials Processing Technology, 2002, 123, 406-421.	6.3	41
63	Effect of geometry on the crushing behaviour of laminated corrugated composite tubes. Journal of Materials Processing Technology, 2006, 172, 394-399.	6.3	41
64	TiO2 nanotube coating on stainless steel 304 for biomedical applications. Ceramics International, 2015, 41, 2785-2793.	4.8	41
65	Mechanical properties, thermal stability and corrosion behavior of electrodeposited Ni-B/AlN nanocomposite coating. Surface and Coatings Technology, 2018, 337, 335-341.	4.8	41
66	Transient response of porous FG nanoplates subjected to various pulse loads based on nonlocal stress-strain gradient theory. European Journal of Mechanics, A/Solids, 2019, 74, 210-220.	3.7	41
67	Optimization of fuzzy rules design using genetic algorithm. Advances in Engineering Software, 2000, 31, 251-262.	3.8	40
68	Hybridizing boron carbide (B4C) particles with aluminum (Al) to enhance the mechanical response of magnesium based nano-composites. Journal of Alloys and Compounds, 2013, 550, 83-93.	5.5	40
69	An experimental investigation into crushing behaviour of filament-wound laminated coneâ€“cone intersection composite shell. Composite Structures, 2001, 51, 211-219.	5.8	39
70	Foundry quality control aspects and prospects to reduce scrap rework and rejection in metal casting manufacturing industries. Journal of Materials Processing Technology, 2006, 178, 39-43.	6.3	36
71	First and Last Triggering Event Approaches for Replacement With Minimal Repairs. IEEE Transactions on Reliability, 2016, 65, 197-207.	4.6	36
72	Dynamic response of functionally graded graphene nanoplatelet reinforced shells with porosity distributions under transverse dynamic loads. Materials Research Express, 2019, 6, 075045.	1.6	36

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73	Motorcycle helmet. Journal of Materials Processing Technology, 2002, 123, 422-431.	6.3	35
74	Bandwidth Enhancement and Frequency Scanning Array Antenna Using Novel UWB Filter Integration Technique for OFDM UWB Radar Applications in Wireless Vital Signs Monitoring. Sensors, 2018, 18, 3155.	3.8	35
75	Buckling and crushing behavior of foam-core hybrid composite sandwich columns under quasi-static edgewise compression. Journal of Sandwich Structures and Materials, 2021, 23, 2643-2670.	3.5	35
76	Study on the effects of tool tile angle, offset and plunge depth on friction stir welding of poly(methyl methacrylate) T-joint. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, 234, 773-787.	2.4	34
77	Quasi-static axial crushing of segmented and non-segmented composite tubes. Composite Structures, 2003, 60, 327-343.	5.8	33
78	An optimization technique on ultrasonic and cutting parameters for drilling and deep drilling of nickel-based high-strength Inconel 738LC superalloy with deeper and higher hole quality. International Journal of Advanced Manufacturing Technology, 2016, 82, 877-888.	3.0	33
79	From sustainability assessment to sustainability management for policy development: The case for electric vehicles. Energy Conversion and Management, 2020, 216, 112937.	9.2	33
80	Enhanced compressive response of hybrid Mgâ€“CNT nano-composites. Journal of Materials Science, 2011, 46, 4588-4597.	3.7	32
81	Self-organized TiO2 nanotube layer on Tiâ€“6Alâ€“7Nb for biomedical application. Surface and Coatings Technology, 2015, 265, 24-31.	4.8	32
82	Effect of hot extrusion and T6 heat treatment on microstructure and mechanical properties of Al-10Zn-3.5Mg-2.5Cu nanocomposite reinforced with graphene nanoplatelets. Journal of Manufacturing Processes, 2018, 36, 264-271.	5.9	32
83	Modeling of student academic achievement in engineering education using cognitive and non-cognitive factors. Journal of Applied Research in Higher Education, 2019, 11, 178-198.	1.9	32
84	Strain and crack growth sensing capability of SWCNT reinforced epoxy in tensile and mode I fracture tests. Composites Science and Technology, 2020, 186, 107918.	7.8	32
85	On the Collapse of Cotton/Epoxy Tubes under Axial Static Loading. Applied Composite Materials, 2003, 10, 67-84.	2.5	31
86	Modeling the technology transfer process in the petroleum industry: Evidence from Libya. Mathematical and Computer Modelling, 2012, 55, 451-470.	2.0	31
87	Variable Selectionâ€based Multivariate Cumulative Sum Control Chart. Quality and Reliability Engineering International, 2017, 33, 565-578.	2.3	31
88	Experimental quasi-static axial crushing of coneâ€“tubeâ€“cone composite system. Composites Part B: Engineering, 2003, 34, 285-302.	12.0	30
89	Light composite elliptic springs for vehicle suspension. Composite Structures, 2006, 75, 24-28.	5.8	30
90	Criticality measures for components with multi-dimensional degradation. IIE Transactions, 2014, 46, 987-998.	2.1	30

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91	An empirical study on lean awareness and potential for lean implementations in Qatar industries. International Journal of Advanced Manufacturing Technology, 2016, 82, 1607-1625.	3.0	30
92	Resonator Based Switching Technique between Ultra Wide Band (UWB) and Single/Dual Continuously Tunable-Notch Behaviors in UWB Radar for Wireless Vital Signs Monitoring. Sensors, 2018, 18, 3330.	3.8	30
93	Nonlinear free and forced vibrations of graphene nanoplatelet reinforced microbeams with geometrical imperfection. Microsystem Technologies, 2019, 25, 3137-3150.	2.0	30
94	Ballistic Performance of Coconut Shell Powder/Twaron Fabric against Non-armour Piercing Projectiles. Defence Science Journal, 2008, 58, 248-263.	0.8	30
95	The development of an online knowledge-based expert system for machinability data selection. Knowledge-Based Systems, 2003, 16, 215-229.	7.1	29
96	Numerical and experimental investigation of corrugated tubes under lateral compression. International Journal of Crashworthiness, 2018, 23, 461-473.	1.9	29
97	Experimental Study of Corrugated Metal-composite Tubes under Axial Loading. Procedia Engineering, 2017, 173, 1314-1321.	1.2	28
98	Control charts for variability monitoring in high-dimensional processes. Computers and Industrial Engineering, 2019, 130, 309-316.	6.3	28
99	On the energy absorption capability of axially crushed composite elliptical cones. Composite Structures, 2004, 66, 495-501.	5.8	27
100	Machinability data representation with artificial neural network. Journal of Materials Processing Technology, 2003, 138, 538-544.	6.3	26
101	Development of a CAD/CAM system for the closed-die forging process. Journal of Materials Processing Technology, 2003, 138, 436-442.	6.3	25
102	An experimental and numerical investigation of highly strong and tough epoxy based nanocomposite by addition of MWCNTs: Tensile and mode I fracture tests. Composite Structures, 2020, 252, 112692.	5.8	25
103	Influence of Micron-Ti and Nano-Cu Additions on the Microstructure and Mechanical Properties of Pure Magnesium. Metals, 2012, 2, 274-291.	2.3	24
104	Structural and mechanical characterization of Al/Al2O3 nanotube thin film on TiV alloy. Applied Surface Science, 2014, 321, 511-519.	6.1	24
105	Synthesis and characterization of electrodeposited Ni-B-Tl2O3 composite coatings. Journal of Alloys and Compounds, 2018, 769, 353-359.	5.5	24
106	Statistical optimization and fretting fatigue study of Zr/ZrO 2 nanotubular array coating on Tiâ€“6Alâ€“4V. Surface and Coatings Technology, 2014, 258, 979-990.	4.8	23
107	Generalized fuzzy model for metal cutting data selection. Journal of Materials Processing Technology, 1999, 89-90, 310-317.	6.3	22
108	Simulation of motorcyclist's kinematics during impact with W-Beam guardrail. Advances in Engineering Software, 2006, 37, 56-61.	3.8	22

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109	Heterogeneities in Polymer Structural and Dynamic Properties in Graphene and Graphene Oxide Nanocomposites: Molecular Dynamics Simulations. Macromolecular Theory and Simulations, 2017, 26, 1600086.	1.4	22
110	Penalized Conway-Maxwell-Poisson regression for modelling dispersed discrete data: The case study of motor vehicle crash frequency. Safety Science, 2019, 120, 157-163.	4.9	22
111	Development of genetic algorithm-based fuzzy rules design for metal cutting data selection. Robotics and Computer-Integrated Manufacturing, 2002, 18, 1-12.	9.9	21
112	Experimental and numerical study of lattice-core sandwich panels under low-speed impact. Materials Today: Proceedings, 2020, 27, 1487-1492.	1.8	21
113	An experimental investigation into mechanical behavior of hybrid and nonhybrid composite semi-elliptical springs. Materials & Design, 2013, 52, 504-513.	5.1	20
114	Engaging Engineering Students in Active Learning and Critical Thinking through Class Debates. Procedia, Social and Behavioral Sciences, 2015, 191, 990-995.	0.5	20
115	Investigating Determinants of Student Satisfaction in the First Year of College in a Public University in the State of Qatar. Education Research International, 2018, 2018, 1-14.	1.1	20
116	Mechanical behavior of resin pin-reinforced composite sandwich panels under quasi-static indentation and three-point bending loading conditions. Journal of Sandwich Structures and Materials, 2021, 23, 2127-2145.	3.5	20
117	Experimental investigation of the thin-walled energy absorbers with different sections including surface imperfections under low-speed impact test. Materials Today: Proceedings, 2020, 27, 1498-1504.	1.8	20
118	Effect of Material and Geometry on Crushing Behaviour of Laminated Conical Composite Shells. Applied Composite Materials, 2002, 9, 265-290.	2.5	19
119	Finite element analysis on the effect of workpiece geometry on the quenching of ST50 steel. Journal of Materials Processing Technology, 2001, 119, 354-360.	6.3	18
120	Investigation of the effect of Al-8B master alloy and strain-induced melt activation process on dry sliding wear behavior of an Alâ€“Znâ€“Mgâ€“Cu alloy. Materials & Design, 2014, 53, 308-316.	5.1	18
121	Strain gradient based dynamic response analysis of heterogeneous cylindrical microshells with porosities under a moving load. Materials Research Express, 2019, 6, 035029.	1.6	18
122	Numerical study of static and dynamic fracture behaviours of neat epoxy resin. Mechanics of Materials, 2020, 140, 103214.	3.2	18
123	A fuzzy logic based expert system for machinability data-on-demand on the Internet. Journal of Materials Processing Technology, 2002, 124, 57-66.	6.3	17
124	On the Stress Analysis of Functionally Graded Gear Wheels with Variable Thickness. International Journal for Computational Methods in Engineering Science and Mechanics, 2008, 9, 121-137.	2.1	17
125	A three dimensional extended Arlequin method for dynamic fracture. Computational Materials Science, 2015, 96, 425-431.	3.0	17
126	Nonlinear forced vibrations of sandwich smart nanobeams with two-phase piezo-magnetic face sheets. European Physical Journal Plus, 2019, 134, 1.	2.6	17

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127	Dynamic response of metal foam FG porous cylindrical micro-shells due to moving loads with strain gradient size-dependency. European Physical Journal Plus, 2019, 134, 1.	2.6	17
128	Synergistic effects of double-walled carbon nanotubes and nanoclays on mechanical, electrical and piezoresistive properties of epoxy based nanocomposites. Composites Science and Technology, 2020, 200, 108459.	7.8	17
129	Geometrically nonlinear vibration analysis of eccentrically stiffened porous functionally graded annular spherical shell segments. Mechanics Based Design of Structures and Machines, 2022, 50, 2206-2220.	4.7	17
130	An experimental study of deformation behaviour of motorcycle front wheel-tyre assembly under frontal impact loading. International Journal of Impact Engineering, 2006, 32, 1554-1572.	5.0	16
131	Structural and morphological study of mechanochemically synthesized crystalline nanoneedles of Zr-doped carbonated chlorapatite. Materials Letters, 2015, 149, 100-104.	2.6	16
132	An adaptive step-down procedure for fault variable identification. International Journal of Production Research, 2016, 54, 3187-3200.	7.5	16
133	Stochastic analysis of interphase effects on elastic modulus and yield strength of nylon 6/clay nanocomposites. International Journal of Mechanics and Materials in Design, 2019, 15, 109-123.	3.0	16
134	Electrochemical and X-ray photoelectron spectroscopic investigations of conductive polymers. Ionics, 2020, 26, 831-838.	2.4	16
135	Crushing Behavior of Cone-Cylinder-Cone Composite System. Mechanics of Advanced Materials and Structures, 2002, 9, 99-117.	2.6	15
136	Motorcycle helmet. Journal of Materials Processing Technology, 2002, 123, 432-439.	6.3	15
137	Finite element modeling of a generic stemless hip implant design in comparison with conventional hip implants. Finite Elements in Analysis and Design, 2004, 40, 2027-2047.	3.2	15
138	Modelling and experimental investigation of solidification process in sand casting. Journal of Materials Processing Technology, 2004, 155-156, 1723-1726.	6.3	15
139	Composite sandwich structures for crashworthiness applications. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2007, 221, 121-130.	1.1	15
140	Economic cost models of integrated APC controlled SPC charts. International Journal of Production Research, 2012, 50, 3936-3955.	7.5	15
141	Microstructure, thermal and mechanical response of AZ51/Al2O3 nanocomposite with 2wt.% Ca addition. Materials & Design, 2013, 50, 1-6.	5.1	15
142	PS/TiO₂ (polystyrene/titanium dioxide) composite nanofibers with higher surfaceâ€toâ€volume ratio prepared by electrospinning: Morphology and thermal properties. Polymer Engineering and Science, 2013, 53, 2407-2412.	3.1	15
143	From Zirconium Nanograins to Zirconia Nanoneedles. Scientific Reports, 2016, 6, 33282.	3.3	15
144	Post-buckling analysis of piezo-magnetic nanobeams with geometrical imperfection and different piezoelectric contents. Microsystem Technologies, 2019, 25, 3477-3488.	2.0	15

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145	Transient response of porous inhomogeneous nanobeams due to various impulsive loads based on nonlocal strain gradient elasticity. International Journal of Mechanics and Materials in Design, 2020, 16, 57-68.	3.0	15
146	Experimental optimization of composite collapsible tubular energy absorber device. Thin-Walled Structures, 2006, 44, 1201-1211.	5.3	14
147	Improving microstructural and mechanical response of new AZ41 and AZ51 magnesium alloys through simultaneous addition of nano-sized Al2O3 particulates and Ca. Journal of Alloys and Compounds, 2013, 574, 565-572.	5.5	14
148	Kinematically admissible folding mechanisms for the progressive collapse of foam filled conical frusta. International Journal of Mechanics and Materials in Design, 2018, 14, 105-126.	3.0	14
149	Analyzing nonlinear vibration of metal foam stiffened toroidal convex/concave shell segments considering porosity distribution. Mechanics Based Design of Structures and Machines, 2023, 51, 310-326.	4.7	14
150	Piezoresistive characterization of epoxy based nanocomposites loaded with SWCNTsâ€ÐWCNTs in tensile and fracture tests. Polymer Composites, 2020, 41, 2598-2609.	4.6	14
151	Synthesis and Characterization of Polyaniline, Poly(3-fluoroaniline), and Poly(aniline-co-3-fluoroaniline) Derivatives Obtained by Chemical Oxidative Polymerization Methods. Polymer-Plastics Technology and Engineering, 2018, 57, 1015-1025.	1.9	14
152	Microstructure and Mechanical Properties of Mg-5Nb Metal-Metal Composite Reinforced with Nano SiC Ceramic Particles. Metals, 2012, 2, 178-194.	2.3	13
153	Using hierarchical composite approach to improve mechanical response of Mg and Mgâ€“Bi2O3 nano-composites. Materials & Design, 2013, 49, 627-637.	5.1	13
154	Evaluation of the Mechanical Properties of AA 6063 Processed by Severe Plastic Deformation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 2172-2184.	2.2	13
155	Fracture Analysis of a Special Cracked Lap Shear (CLS) Specimen with Utilization of Virtual Crack Closure Technique (VCCT) by Finite Element Methods. Journal of Failure Analysis and Prevention, 2017, 17, 304-314.	0.9	13
156	Synthesis, characterization and physicochemical studies of copolymers of aniline and 3-nitroaniline. Polymer Bulletin, 2020, 77, 4469-4488.	3.3	13
157	Analysis of nonlinear vibrations of CNT- /fiberglass-reinforced multi-scale truncated conical shell segments. Mechanics Based Design of Structures and Machines, 2022, 50, 2067-2083.	4.7	13
158	Small scale effects on transient vibrations of porous FG cylindrical nanoshells based on nonlocal strain gradient theory. European Physical Journal Plus, 2020, 135, 1.	2.6	13
159	Modeling of the thermal history of the sand casting process. Journal of Materials Processing Technology, 2001, 113, 245-250.	6.3	12
160	Effect of residual stresses in a filament wound laminated conical shell. Journal of Materials Processing Technology, 2003, 138, 291-296.	6.3	12
161	Degree of leanness and managerial commitment in an aerospace company. Journal of Statistics and Management Systems, 2008, 11, 653-673.	0.6	12
162	Differentiating the mechanical response of hybridized Mg nano-composites as a function of strain rate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 545, 51-60.	5.6	12

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163	Gradual mechanochemical reaction to produce carbonate doped fluorapatiteâ€“titania composite nanopowder. Ceramics International, 2014, 40, 15623-15631.	4.8	12
164	Investigating the Corrosion under Insulation (CUI) on Steel Pipe Exposed to Arabian Gulf Sea Water Drops. Key Engineering Materials, 0, 689, 148-153.	0.4	12
165	HA/rGO/Pd nanocomposite thin film coating on SST 304 - Synthesize, characterization, and properties investigations. Journal of Alloys and Compounds, 2018, 741, 562-574.	5.5	12
166	A framework based on location hazard index for optimizing operational performance of emergency response strategies: The case of petrochemical industrial cities. Safety Science, 2019, 117, 33-42.	4.9	12
167	Phase-I monitoring of high-dimensional covariance matrix using an adaptive thresholding LASSO rule. Computers and Industrial Engineering, 2020, 144, 106465.	6.3	12
168	Springback in v-bending: a finite element approach. International Journal of Materials and Product Technology, 2004, 21, 124.	0.2	11
169	Experimental Study of Bending Fatigue Characteristics of a Hybrid Aluminum/Composite Drive Shaft. Journal of Composite Materials, 2007, 41, 2267-2288.	2.4	11
170	A new adaptive learning algorithm for robot manipulator control. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2007, 221, 663-672.	1.0	11
171	An adaptive learning algorithm for controlling a two-degree-of-freedom serial ball-and-socket actuator. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2007, 221, 1001-1006.	1.0	11
172	A Metaheuristic Approach to Manufacturing Process Planning in Reconfigurable Manufacturing Systems. Jurnal Teknologi (Sciences and Engineering), 2012, , .	0.4	11
173	Adaptive cumulative sum charts with the adaptive runs rule. International Journal of Production Research, 2013, 51, 4556-4569.	7.5	11
174	Binding energy, structural, and dielectric properties of thin film of poly(aniline-co-m-fluoroaniline). Ionics, 2018, 24, 3249-3257.	2.4	11
175	An adaptive thresholding-based process variability monitoring. Journal of Quality Technology, 2019, 51, 242-256.	2.5	11
176	Mechanical properties of aluminium metal matrix composites under impact loading. Journal of Materials Processing Technology, 1996, 56, 743-756.	6.3	10
177	Materials and design issues for military helmets. , 2012, , 103-138.		10
178	Instability of a cracked cylindrical shell reinforced by an elastic liner. Thin-Walled Structures, 2013, 70, 39-48.	5.3	10
179	Double EWMAâ€Based Polynomial Quality Profiles Monitoring. Quality and Reliability Engineering International, 2016, 32, 2639-2652.	2.3	10
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