Nageswara Rao Boggarapu

List of Publications by Year
in descending order

245	3,167	230014	312153
papers	citations	27 h-index	41 g-index

251	251	251	1720
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on the heat transfer performance of pulsating heat pipes. Australian Journal of Mechanical Engineering, 2023, 21, 1658-1702.	1.5	2
2	Thermal characterisation of dairy washed scum methyl ester and its b-20 blend for combustion applications. International Journal of Ambient Energy, 2022, 43, 4433-4443.	1.4	6
3	Development of an Optimal PID Controller for the 4-DOF Manipulator Using Genetic Algorithm. Lecture Notes in Mechanical Engineering, 2022, , 23-32.	0.3	1
4	Performance indicators for the optimal BTE of biodiesels with additives through engine testing by the Taguchi approach. Chemosphere, 2022, 288, 132450.	4.2	27
5	Thermogravitometry and calorimetric evaluation of honge oil methyl ester and its B-20 blend. Cleaner Engineering and Technology, 2022, 6, 100367.	2.1	4
6	Reinvestigation on Assessing the Stability of Mullagulov Tested Steel Rods under Follower Forces. Pertanika Journal of Science and Technology, 2022, 30, 801-811.	0.3	0
7	Multiobjective optimization for the optimal heat pipe working parameters based onÂTaguchi's design of experiments. Heat Transfer, 2022, 51, 2510-2523.	1.7	7
8	Thermogravimetric and combustion efficiency analysis of Jatropha curcas biodiesel and its derivatives. Biofuels, 2022, 13, 1069-1079.	1.4	5
9	Influence of micro and nano carbon fillers on impact behavior of GFRP composite materials. Materials Today: Proceedings, 2021, 37, 1075-1078.	0.9	5
10	Analytical studies and numerical predictions of stresses in shear joints of layered composite panels for aerospace applications. Composite Structures, 2021, 255, 112927.	3.1	10
11	Numerical Simulations and Experimental Validation on LBW Bead Profiles of Ti-6Al-4V Alloy. Pertanika Journal of Science and Technology, 2021, 29, .	0.3	2
12	Incorporation of Taguchi approach with CFD simulations on laser welding of spacer grid fuel rod assembly. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 269, 115182.	1.7	15
13	Revisited the Critical Load Assessment of Huang et al. on Willems Tested Beck Column. Pertanika Journal of Science and Technology, 2021, 29, .	0.3	3
14	Optimal weld bead profiles in the conduction mode LBW of thin Tiâ€“6Alâ€“4V alloy sheets. AIMS Materials Science, 2021, 8, 698-715.	0.7	2
15	Experimental investigation on the effect of compression ratio over emission and performance characteristics of the diesel engine using ternary blends. International Journal of Green Energy, 2021, 18, 231-242.	2.1	6
16	Comparative performance and emission studies of the CI engine with Nodularia Spumigena microalgae biodiesel versus different vegetable oil derived biodiesel. SN Applied Sciences, 2020, 2, 1.	1.5	10
17	5. Numerical simulations on the bio-based adhesive plywood house structure subjected to self-weight and wind loads. , 2020, , 89-108.		3
18	Computational fluid dynamic analysis of Nodularia Spumigena Microalgae Biodiesel and Karanja biodiesel blends using ANSYS in CI engine. Materials Today: Proceedings, 2020, 27, 1812-1820.	0.9	1

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19	Heat Transfer Enhancement with Different Nanofluids in Heat Exchanger by CFD. Lecture Notes in Mechanical Engineering, 2020, , 387-397.	0.3	2
20	SERIES DECOMPOSITION METHOD FOR ASYMMETRIC NONLINEAR OSCILLATIONS. Advances in Mathematics: Scientific Journal (discontinued), 2020, 9, 8069-8076.	0.2	2
21	Uncertainties in the Periodic Solution of a Truly Non-linear Oscillator Differential Equation Using MDTM. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	0.9	1
22	Optimal laser welding process parameters and expected weld bead profile for P92 steel. SN Applied Sciences, 2019, 1, 1.	1.5	16
23	A simple and reliable Taguchi approach for multi-objective optimization to identify optimal process parameters in nano-powder-mixed electrical discharge machining of INCONEL800 with copper electrode. Heliyon, 2019, 5, e02326.	1.4	21
24	Numerical investigation of temperature distribution and melt pool geometry in laser beam welding of a Zrâ€“1% Nb alloy nuclear fuel rod end cap. Bulletin of Materials Science, 2019, 42, 1.	0.8	7
25	Numerical Simulation of the Processes of Formation of a Welded Joint with a Pulsed ND:YAG Laser Welding of ZRâ€“1%NB Alloy. Thermal Engineering (English Translation of Teploenergetika), 2019, 66, 210-218.	0.4	13
26	Evaluation of Elastic Properties for a Nanocomposite (Reinforced with SWCNT Agglomerates) Utilizing a Representative Volume Element. Transactions of the Indian Institute of Metals, 2019, 72, 951-967.	0.7	1
27	Multi-objective optimization for optimum abrasive water jet machining process parameters of Inconel718 adopting the Taguchi approach. Multidiscipline Modeling in Materials and Structures, 2019, 16, 306-321.	0.6	12
28	Expected range of the output response for the optimum input parameters utilizing the modified Taguchi approach. Multidiscipline Modeling in Materials and Structures, 2019, 15, 508-522.	0.6	20
29	Modified Taguchi Approach to Trace the Optimum GMAW Process Parameters on Weld Dilution for ST-37 Steel Plates. Journal of Testing and Evaluation, 2019, 47, 3209-3223.	0.4	16
30	Hot Workability and Microstructure Control through the Analysis of Stressâ€“Strain Curves during Hot Deformation of M350 Grade Maraging Steel. Materials Performance and Characterization, 2019, 8, 969-984.	0.2	4
31	Development and analysis of high density poly ethylene (HDPE) nano SiO₂ and wood powder reinforced polymer matrix hybrid nano composites. Journal of Experimental Nanoscience, 2018, 13, S24-S30.	1.3	20
32	Optimization of Hot Workability and Control of Microstructure in CF250 Grade Cobalt-Free Maraging Steel: An Approach Using Processing Maps. Metallography, Microstructure, and Analysis, 2018, 7, 35-47.	0.5	7
33	Microstructure, properties and hot workability of M300 grade maraging steel. Defence Technology, 2018, 14, 51-58.	2.1	33
34	Investigations on the performance of chevron type plate heat exchangers. Heat and Mass Transfer, 2018, 54, 227-239.	1.2	16
35	Optimum Process Parameters for Plywood Manufacturing using Soya Meal Adhesive. Materials Today: Proceedings, 2018, 5, 18739-18744.	0.9	15
36	Numerical Simulations on the Laser Spot Welding of Zirconium Alloy Endplate for Nuclear Fuel Bundle Assembly. Lasers in Manufacturing and Materials Processing, 2018, 5, 53-70.	1.2	13

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37	Identification of Optimum Laser Beam Welding Process Parameters for E110 Zirconium Alloy Butt Joint Based on Taguchi-CFD Simulations. Lasers in Manufacturing and Materials Processing, 2018, 5, 182-199.	1.2	17
38	Optimization of Hot Workability and Control of Microstructure in 18Ni (M250 Grade) Maraging Steel Using Processing Maps. Materials Performance and Characterization, 2018, 7, 20180082.	0.2	5
39	How valid are Sugiyamaא³s experiments on follower forces?. International Journal of Non-Linear Mechanics, 2017, 93, 122-125.	1.4	5
40	On the Radiative Heat Transfer in a Viscoelastic Boundary Layer Flow Over a Stretching Sheet. Journal of Heat Transfer, 2017, 139, .	1.2	1
41	Microstructural Evolution and Constitutive Relationship of M350 Grade Maraging Steel During Hot Deformation. Journal of Materials Engineering and Performance, 2017, 26, 1174-1185.	1.2	27
42	Characterization Of Plywoods Produced By Various Bio-Adhesives. Materials Today: Proceedings, 2017, 4, 496-508.	0.9	6
43	A simplified approach for assessing the leak-before-break for the flawed pressure vessels. Nuclear Engineering and Design, 2016, 302, 20-26.	0.8	3
44	Generation of Temperature Dependent Transversely Isotropic Properties for Zigzag and Armchair Single-Walled Carbon Nanotubes. Transactions of the Indian Institute of Metals, 2015, 68, 185-194.	0.7	0
45	An efficient finite element approach to examine the free vibration characteristics of liquid tankages in space launch vehicles. Meccanica, 2015, 50, 1217-1226.	1.2	1
46	Development of a Soya Based Adhesive in Plywood Manufacturing. Materials Today: Proceedings, 2015, 2, 3027-3031.	0.9	12
47	Application of the Point Stress Criterion to Assess the Bond Strength of a Single-Lap Joint. Strength of Materials, 2014, 46, 518-525.	0.2	1
48	Influence of Root Rotation on Delamination Fracture Toughness of Composites. International Journal of Aerospace Engineering, 2014, 2014, 1-12.	0.5	7
49	Failures of High-Temperature Critical Components in Combined Cycle Power Plants. Journal of Failure Analysis and Prevention, 2013, 13, 409-419.	0.5	10
50	Development of efficient finite elements for structural integrity analysis of solid rocket motor propellant grains. International Journal of Pressure Vessels and Piping, 2013, 111-112, 131-145.	1.2	38
51	Application of Fracture Mechanics to Specify the Proof Load Factor for Clamp Band Systems of Launch Vehicles. Journal of Materials Engineering and Performance, 2013, 22, 926-935.	1.2	13
52	Authors reply to the queries of Milan Batista â€œOn the uniqueness of large deflections of a uniform cantilever beam under a tip-concentrated rotational loadâ€• International Journal of Non-Linear Mechanics, 2013, 54, 131-132.	1.4	0
53	Moderately large deflection analysis of simply supported piezo-laminated composite plates under uniformly distributed transverse load. International Journal of Non-Linear Mechanics, 2013, 49, 137-144.	1.4	7
54	Dynamic stability of cantilever columns under a tip-concentrated subtangential follower force. Mathematics and Mechanics of Solids, 2013, 18, 449-463.	1.5	4

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55	Vibrational Characteristics of Zigzag, Armchair and Chiral Cantilever Single-Walled Carbon Nanotubes. Advanced Composites Letters, 2013, 22, 096369351302200.	1.3	1
56	Reliability and Safety Assessments of the Satellite Separation Process of a Typical Launch Vehicle. Journal of Defense Modeling and Simulation, 2012, 9, 369-382.	1.2	18
57	Study on Finite Element Modeling Aspects of Delaminated Honeycomb Sandwich Beams. International Journal of Vehicle Structures and Systems, 2012, 4, .	0.1	0
58	Interface fracture assessment on honeycomb sandwich composite DCB specimens. Engineering Fracture Mechanics, 2012, 93, 108-118.	2.0	20
59	Development of Empirical Relations for the Transversely Isotropic Properties of Zigzag, Armchair and Chiral Single-Walled Carbon Nanotubes. Advanced Composites Letters, 2012, 21, 096369351202100.	1.3	4
60	Finite Element Analysis and Notched Tensile Strength Evaluation of Center-Hole 2D Carbon/Carbon Laminates. Advanced Composite Materials, 2011, 20, 289-300.	1.0	7
61	Bursting pressure of mild steel cylindrical vessels. International Journal of Pressure Vessels and Piping, 2011, 88, 119-122.	1.2	29
62	Fatigue crack growth of AA2219 under different aging conditions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4040-4049.	2.6	19
63	Taguchi's Approach to Examine the Effect of Drilling Induced Damage on the Notched Tensile Strength of Woven GFRâ€“epoxy Composites. Advanced Composite Materials, 2011, 20, 261-275.	1.0	19
64	Effect of aging treatments on the fatigue crack growth and threshold behavior of AA 2219 aluminium alloy. Transactions of the Indian Institute of Metals, 2010, 63, 535-540.	0.7	1
65	Tensile fracture strength of 2124Alâ€“10vol.% SiCp composite compact tension specimens. Materials & Design, 2010, 31, 2987-2993.	5.1	3
66	Failure assessment on central-sharp notched carbon/epoxy laminates. Materials & Design, 2010, 31, 4348-4355.	5.1	4
67	On the fracture toughness evaluation in weldments of a maraging steel rocket motor case. Materials & Design, 2010, 31, 4921-4926.	5.1	21
68	On the uniqueness of large deflections of a uniform cantilever beam under a tip-concentrated rotational load. International Journal of Non-Linear Mechanics, 2010, 45, 433-441.	1.4	20
69	Finite element analysis of cylindrical pressure vessels having a misalignment in a circumferential joint. International Journal of Pressure Vessels and Piping, 2010, 87, 197-201.	1.2	21
70	Large deflections of a cantilever beam under an inclined end load. Applied Mathematics and Computation, 2010, 217, 3607-3613.	1.4	40
71	Mathematical modeling of plasma drifts over equatorial low latitude regions. Advances in Space Research, 2010, 46, 626-636.	1.2	1
72	Modified Average Stress Criterion to Predict the Fracture Strength of Various Lay-Ups of Carbon/Epoxy Laminates. Journal of Reinforced Plastics and Composites, 2010, 29, 346-358.	1.6	5

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73	Interface Fracture Assessment on Sandwich DCB Specimens. Journal of Reinforced Plastics and Composites, 2010, 29, 1963-1977.	1.6	9
74	Tension and Compression Strength Evaluation of Composite Plates with Circular Holes. Journal of Reinforced Plastics and Composites, 2010, 29, 1500-1514.	1.6	13
75	Studies on the Work-Hardening Behavior of AA2219 under Different Aging Treatments. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 3186-3195.	1.1	36
76	Effect of microstructure and strength on the fracture behavior of AA2219 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 502, 45-53.	2.6	64
77	Taguchi's approach for reliability and safety assessments in the stage separation process of a multistage launch vehicle. Reliability Engineering and System Safety, 2009, 94, 1526-1541.	5.1	45
78	Nonlinear free vibration analysis of simply supported piezo-laminated plates with random actuation electric potential difference and material properties. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 1646-1663.	1.7	19
79	Nonlinear free vibration analysis of generic coupled induced strain actuated piezo-laminated beams. Forschung Im Ingenieurwesen/Engineering Research, 2008, 72, 153-162.	1.0	6
80	Finite element analysis with an improved failure criterion for composite wind turbine blades. Forschung Im Ingenieurwesen/Engineering Research, 2008, 72, 193-207.	1.0	23
81	Fracture strength of various lay-ups of carbon/epoxy laminates using the modified inherent flaw model. Engineering Fracture Mechanics, 2008, 75, 4834-4843.	2.0	1
82	Effect of drilling induced damage on notched tensile and pin bearing strengths of woven GFR-epoxy composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 472, 347-352.	2.6	56
83	Spherical dome formation by transformation of superplasticity of titanium alloys and titanium matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 478, 397-401.	2.6	4
84	Analytical prediction of stability lobes in high-speed milling and their application to micromilling. International Journal of Manufacturing Technology and Management, 2008, 13, 146.	0.1	6
85	Effect of Impactor Parameters and Laminate Characteristics on Impact Response and Damage in Curved Composite Laminates. Journal of Reinforced Plastics and Composites, 2007, 26, 1273-1290.	1.6	21
86	Nonlinear vibration analysis for a generic coupled-laminated plate with surface bonded or embedded induced strain actuators. Journal of Sound and Vibration, 2007, 301, 846-863.	2.1	10
87	Rigid body separation dynamics for space launch vehicles. Aeronautical Journal, 2006, 110, 289-302.	1.1	13
88	Dynamics of satellite separation system. Journal of Sound and Vibration, 2006, 297, 444-455.	2.1	18
89	Development and validation of processing maps for nickel based powder metallurgy superalloys. Powder Metallurgy, 2006, 49, 160-166.	0.9	2
90	Analytical Solution for a Multi-layer Thick Cylindrical Shell Subjected to Axial Inertia Applicable for Slump Estimations of Solid Propellant Rocket Motor Grains. Trends in Applied Sciences Research, 2006, 1, 123-131.	0.4	3

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91	A Simple J-integral Approach for Fracture Toughness Assessment on Invalid Test Data of Standard CT Specimens. Trends in Applied Sciences Research, 2006, 1, 132-143.	0.4	2
92	Evaluation of Carbon/Epoxy Delamination Fracture Toughness. Trends in Applied Sciences Research, 2006, 1, 144-154.	0.4	3
93	Finite Element Modeling of Adhesively Bonded Joints. Trends in Applied Sciences Research, 2006, 1, 25-40.	0.4	1
94	Slump Estimation of Cylindrical Segment Grains of a Typical Rocket Motor under Vertical Storage Condition. Trends in Applied Sciences Research, 2006, 1, 97-104.	0.4	4
95	Nonlinear vibration analysis of initially stressed thin laminated rectangular plates on elastic foundations. Journal of Sound and Vibration, 2005, 282, 949-969.	2.1	14
96	Analytical study on a Duffing-harmonic oscillator. Journal of Sound and Vibration, 2005, 285, 1217-1222.	2.1	34
97	Stage separation dynamic analysis of upper stage of a multistage launch vehicle using retro rockets. Mathematical and Computer Modelling, 2005, 41, 849-866.	2.0	16
98	On the thinning variation of a superplastically formed titanium alloy spherical domes. Journal of Materials Processing Technology, 2005, 160, 370-373.	3.1	4
99	On the hot working characteristics of 2014 Alâ€“20vol% Al2O3 metal matrix composite. Journal of Materials Processing Technology, 2005, 166, 279-285.	3.1	54
100	Identification of flow instabilities in the processing maps of AISI 304 stainless steel. Journal of Materials Processing Technology, 2005, 166, 268-278.	3.1	93
101	Fracture toughness of nitramine and composite solid propellants. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 403, 125-133.	2.6	15
102	Effect of long-seam mismatch on the burst pressure of maraging steel rocket motor cases. Engineering Failure Analysis, 2005, 12, 325-336.	1.8	23
103	Correlating cryogenic fracture strength using a modified two-parameter method. Engineering Fracture Mechanics, 2005, 72, 475-490.	2.0	10
104	Modified instability condition for identification of unstable metal flow regions in processing maps of magnesium alloys. Materials Science and Technology, 2005, 21, 976-984.	0.8	20
105	Failure analysis on gas pressure formed spherical domes of Pbâ€“Sn eutectic alloy. Materials Science and Technology, 2005, 21, 1359-1362.	0.8	0
106	Generation and validation of failure assessment diagram for notched strength prediction of solid propellant tensile specimens. Materials Science and Technology, 2005, 21, 488-494.	0.8	2
107	Failure Assessment on Tensile Cracked Specimens of Aluminum Alloys. Journal of Pressure Vessel Technology, Transactions of the ASME, 2004, 126, 404-406.	0.4	5
108	Comment on "New Approach to Solution of the Falkner-Skan Equation". AIAA Journal, 2004, 42, 2620-2621.	1.5	0

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109	Prediction of non-uniform thinning in superplastically formed spherical domes. Materials Science and Technology, 2004, 20, 229-234.	0.8	2
110	Determination of elastic constants from measured natural frequencies of specially orthotropic cantilever plates. Materials Science and Technology, 2004, 20, 1303-1309.	0.8	1
111	Development and validation of a processing map for AFNOR 7020 aluminium alloy. Materials Science and Technology, 2004, 20, 772-782.	0.8	26
112	Fracture behaviour of maraging steel tensile specimens and pressurized cylindrical vessels. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 177-186.	1.7	13
113	Heat transfer in a viscoelastic boundary layer flow through a porous medium. Computational Mechanics, 2004, 34, 27.	2.2	20
114	Evaluation of elastic constants of specially orthotropic plates through vibration testing. Journal of Sound and Vibration, 2004, 272, 413-424.	2.1	9
115	Improved ductile fracture criterion for cold forming of spheroidised steel. Journal of Materials Processing Technology, 2004, 147, 94-101.	3.1	32
116	Post-critical behaviour of Euler and Beck columns resting on an elastic foundation. Journal of Sound and Vibration, 2004, 276, 1150-1158.	2.1	4
117	Notched strength estimations of graphite/epoxy composite laminates containing central holes and cracks: A statistical approach. Aeronautical Journal, 2004, 108, 263-269.	1.1	1
118	Comparison of fracture models to assess the notched strength of composite/solid propellant tensile specimens. , 2004, 385, 429-429.		10
119	Post-buckling of cantilever columns having variable cross-section under a combined load. International Journal of Non-Linear Mechanics, 2003, 38, 1513-1522.	1.4	15
120	On the periodic solution for. Journal of Sound and Vibration, 2003, 261, 952-954.	2.1	1
121	On the hot working characteristics of 6061Alâ€“SiC and 6061â€“Al2O3 particulate reinforced metal matrix composites. Composites Science and Technology, 2003, 63, 119-135.	3.8	86
122	On the relationship between the intrinsic hot workability parameters of DMM and PRM. Scandinavian Journal of Metallurgy, 2003, 32, 185-193.	0.3	4
123	Tensile fracture of HTPB based propellant specimens. Materials Science and Technology, 2002, 18, 1408-1412.	0.8	13
124	Failure behaviour of an ultra high strength low alloy steel. Materials Science and Technology, 2002, 18, 787-798.	0.8	2
125	Development and validation of a processing map for zirconium alloys. Modelling and Simulation in Materials Science and Engineering, 2002, 10, 503-520.	0.8	36
126	Reinvestigation of dynamic materials model analysis of 99.94% purity aluminium. Materials Science and Technology, 2002, 18, 571-574.	0.8	4

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127	On the hot working characteristics of 2124 Alâ€“SiCp metal matrix composites. Advanced Composite Materials, 2002, 11, 105-120.	1.0	5
128	Moderately Large Deflection of Laminated Thin Rectangular Plates. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2002, 82, 352.	0.9	11
129	Clarification on the physical dimension of K in a constitutive equation for superplastic flow:. Journal of Materials Processing Technology, 2002, 124, 259.	3.1	2
130	A comparative study on failure pressure estimations of unflawed cylindrical vessels. International Journal of Pressure Vessels and Piping, 2002, 79, 53-66.	1.2	70
131	Fracture strength of flawed cylindrical pressure vessels under cryogenic temperatures. Cryogenics, 2002, 42, 661-673.	0.9	8
132	Processing maps for hot deformation of Î±2 aluminide alloy Ti-24Al-11Nb. Journal of Materials Science, 2002, 37, 1197-1201.	1.7	10
133	Fracture strength of composite laminates containing surface notches. Advanced Composite Materials, 2001, 10, 29-37.	1.0	2
134	Hot working characteristics of powder metallurgy Nimonic AP-1 superalloy. Powder Metallurgy, 2001, 44, 267-273.	0.9	3
135	Tensile fracture strength of boron/aluminum laminates with holes and slits. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 301, 244-252.	2.6	7
136	Identification of flow instabilities during hot working of powder metallurgy superalloy IN 100. Powder Metallurgy, 2001, 44, 165-170.	0.9	2
137	Application of dynamic material model hipping of powder compacts. Powder Metallurgy, 2000, 43, 375-379.	0.9	1
138	Nonlinear Vibration Analysis of Thin Laminated Rectangular Plates on Elastic Foundations. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2000, 80, 183-192.	0.9	17
139	Residual strength of aluminumâ€“lithium alloy center surface crack tension specimens at cryogenic temperatures. Cryogenics, 2000, 40, 789-795.	0.9	14
140	Magnetohydrodynamic flow in a rectangular duct with suction and injection. Acta Mechanica, 2000, 140, 57-64.	1.1	19
141	Notched tensile strength of randomly oriented E-glass composite laminates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 282, 59-66.	2.6	6
142	An efficient axisymmetric hybrid-stress-displacement formulation for compressible/nearly incompressible material. International Journal of Pressure Vessels and Piping, 2000, 77, 651-667.	1.2	14
143	On the flow localization concepts in the processing maps of titanium alloy Tiâ€“24Alâ€“20Nb. Journal of Materials Processing Technology, 2000, 104, 103-109.	3.1	68
144	Fracture strength of graphite/epoxy center-notched tensile strips. Journal of Materials Science Letters, 2000, 19, 911-914.	0.5	4

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145	Notched strength of carbon fibre/epoxy composite laminates with a circular hole. Forschung Im Ingenieurwesen/Engineering Research, 2000, 65, 295-300.	1.0	7
146	Tensile fracture behaviour of notched boron/aluminum composite laminates. Forschung Im Ingenieurwesen/Engineering Research, 2000, 66, 0024-0030.	1.0	1
147	A multilayered thick cylindrical shell under internal pressure and thermal loads applicable to solid propellant rocket motors. Forschung Im Ingenieurwesen/Engineering Research, 2000, 66, 57-66.	1.0	7
148	Processing Map for Hot Working of Powder Metallurgy 2124 AL - 20 VOL% SiCP Metal Matrix Composite. Advanced Composites Letters, 2000, 9, 096369350000900.	1.3	0
149	Notched tensile strength of various fibre reinforced metal laminates. Advanced Composite Materials, 2000, 9, 187-206.	1.0	5
150	Notched strength evaluation of fabric laminates having a circular hole. Advanced Composite Materials, 2000, 9, 47-58.	1.0	4
151	Residual strength of composite laminates with a centre crack under tension. Advanced Composite Materials, 2000, 9, 131-143.	1.0	2
152	Instability criteria for hot deformation of materials. International Materials Reviews, 2000, 45, 15-26.	9.4	180
153	Improved Inherent Flaw Model for Tensile Fracture of Cracked Composite Laminates. Advanced Composites Letters, 1999, 8, 096369359900800.	1.3	0
154	Short CommunicationModelling of constitutive equations to describe hot deformation of 99Â·9% pure aluminium. Materials Science and Technology, 1999, 15, 599-600.	0.8	3
155	On the flow localization concepts in the processing maps of IN718. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 267, 159-161.	2.6	32
156	Failure pressure estimations on a solid propellant rocket motor with a circular perforated grain. International Journal of Pressure Vessels and Piping, 1999, 76, 955-963.	1.2	10
157	On the dynamic material model for the hot deformation of materials. Journal of Materials Science Letters, 1999, 18, 1757-1758.	0.5	26
158	Instability Map for Hot-Working of Niâ€“16Crâ€“8Fe Alloy (IN 600). Journal of Materials Science Letters, 1999, 18, 677-679.	0.5	2
159	Notched strength of carbon fibre/epoxy composite laminates with a circular hole. Forschung Im Ingenieurwesen/Engineering Research, 1999, 65, 295-300.	1.0	3
160	On the polar reciprocity model for hot deformation characteristics of materials. Bulletin of Materials Science, 1999, 22, 9-10.	0.8	6
161	Failure Assessment on a Strip Biaxial Tension Specimen for a HTPB-Based Propellant Material. Propellants, Explosives, Pyrotechnics, 1999, 24, 349-352.	1.0	8
162	Ziegler's Criterion on the Instability Regions in Processing Maps. Journal of Materials Science Letters, 1998, 17, 1203-1205.	0.5	58

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163	Heat Transfer in a Viscoelastic Fluid over a Stretching Sheet. Journal of Mathematical Analysis and Applications, 1998, 222, 268-275.	0.5	45
164	APPLICATION OF SHOHAT EXPANSION IN PERIODIC SOLUTION OF DIFFERENTIAL EQUATIONS. Journal of Sound and Vibration, 1998, 209, 879-881.	2.1	1
165	Flow of a second-order fluid over a stretching surface having power-law temperature. Acta Mechanica, 1998, 128, 259-262.	1.1	14
166	Failure assessment on M300 grade maraging steel cylindrical pressure vessels with an internal surface crack. International Journal of Pressure Vessels and Piping, 1998, 75, 537-543.	1.2	10
167	Instability map for hot working of 6061 Al-10 vol% metal matrix composite. Journal Physics D: Applied Physics, 1998, 31, 3306-3311.	1.3	39
168	Final Solution of Duffing Equation of Mixed Parity. AIAA Journal, 1997, 35, 1246-1248.	1.5	4
169	Heat transfer in a viscoelastic boundary layer flow over a stretching sheet revisited. Journal Physics D: Applied Physics, 1997, 30, 3330-3334.	1.3	5
170	On the evaluation of efficiency parameters in processing maps. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 1581-1582.	1.1	59
171	Failure assessment on 34Cr Mo4 grade steel cylindrical pressure vessels with an axial surface crack. International Journal of Pressure Vessels and Piping, 1997, 72, 157-163.	1.2	9
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