

# Nageswara Rao Boggarapu

## List of Publications by Year in descending order

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245  
papers

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citations

201674

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251  
all docs

251  
docs citations

251  
times ranked

1588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Instability criteria for hot deformation of materials. <i>International Materials Reviews</i> , 2000, 45, 15-26.	19.3	180
2	Identification of flow instabilities in the processing maps of AISI 304 stainless steel. <i>Journal of Materials Processing Technology</i> , 2005, 166, 268-278.	6.3	93
3	On the hot working characteristics of 6061Al-SiC and 6061Al-Al <sub>2</sub> O <sub>3</sub> particulate reinforced metal matrix composites. <i>Composites Science and Technology</i> , 2003, 63, 119-135.	7.8	86
4	A comparative study on failure pressure estimations of unflawed cylindrical vessels. <i>International Journal of Pressure Vessels and Piping</i> , 2002, 79, 53-66.	2.6	70
5	On the flow localization concepts in the processing maps of titanium alloy Ti-24Al-20Nb. <i>Journal of Materials Processing Technology</i> , 2000, 104, 103-109.	6.3	68
6	Effect of microstructure and strength on the fracture behavior of AA2219 alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 502, 45-53.	5.6	64
7	On the evaluation of efficiency parameters in processing maps. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1997, 28, 1581-1582.	2.2	59
8	Ziegler's Criterion on the Instability Regions in Processing Maps. <i>Journal of Materials Science Letters</i> , 1998, 17, 1203-1205.	0.5	58
9	Effect of drilling induced damage on notched tensile and pin bearing strengths of woven GFR-epoxy composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 472, 347-352.	5.6	56
10	On the hot working characteristics of 2014 Al-20vol% Al <sub>2</sub> O <sub>3</sub> metal matrix composite. <i>Journal of Materials Processing Technology</i> , 2005, 166, 279-285.	6.3	54
11	Heat transfer in the flow of a viscoelastic fluid over a stretching sheet. <i>Acta Mechanica</i> , 1992, 93, 53-61.	2.1	49
12	Heat Transfer in a Viscoelastic Fluid over a Stretching Sheet. <i>Journal of Mathematical Analysis and Applications</i> , 1998, 222, 268-275.	1.0	45
13	Taguchi's approach for reliability and safety assessments in the stage separation process of a multistage launch vehicle. <i>Reliability Engineering and System Safety</i> , 2009, 94, 1526-1541.	8.9	45
14	The nonuniqueness of the MHD flow of a viscoelastic fluid past a stretching sheet. <i>Acta Mechanica</i> , 1995, 112, 223-228.	2.1	42
15	Large deflections of a cantilever beam under an inclined end load. <i>Applied Mathematics and Computation</i> , 2010, 217, 3607-3613.	2.2	40
16	Instability map for hot working of 6061 Al-10 vol% metal matrix composite. <i>Journal Physics D: Applied Physics</i> , 1998, 31, 3306-3311.	2.8	39
17	Development of efficient finite elements for structural integrity analysis of solid rocket motor propellant grains. <i>International Journal of Pressure Vessels and Piping</i> , 2013, 111-112, 131-145.	2.6	38
18	Development and validation of a processing map for zirconium alloys. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2002, 10, 503-520.	2.0	36

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19	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.	2.2	36
20	On the Large Deflection of Cantilever Beams with End Rotational Load. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1986, 66, 507-509.	1.6	34
21	Analytical study on a Duffing-harmonic oscillator. Journal of Sound and Vibration, 2005, 285, 1217-1222.	3.9	34
22	Microstructure, properties and hot workability of M300 grade maraging steel. Defence Technology, 2018, 14, 51-58.	4.2	33
23	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.	5.6	32
24	Improved ductile fracture criterion for cold forming of spheroidised steel. Journal of Materials Processing Technology, 2004, 147, 94-101.	6.3	32
25	On nonlinear free vibrations of simply supported uniform beams. Journal of Sound and Vibration, 1992, 159, 527-531.	3.9	30
26	Flow of a fluid of second grade over a stretching sheet. International Journal of Non-Linear Mechanics, 1996, 31, 547-550.	2.6	29
27	Bursting pressure of mild steel cylindrical vessels. International Journal of Pressure Vessels and Piping, 2011, 88, 119-122.	2.6	29
28	Large-amplitude free vibrations of simply supported uniform beams with immovable ends. Journal of Sound and Vibration, 1992, 155, 523-527.	3.9	28
29	Microstructural Evolution and Constitutive Relationship of M350 Grade Maraging Steel During Hot Deformation. Journal of Materials Engineering and Performance, 2017, 26, 1174-1185.	2.5	27
30	Performance indicators for the optimal BTE of biodiesels with additives through engine testing by the Taguchi approach. Chemosphere, 2022, 288, 132450.	8.2	27
31	On the dynamic material model for the hot deformation of materials. Journal of Materials Science Letters, 1999, 18, 1757-1758.	0.5	26
32	Development and validation of a processing map for AFNOR 7020 aluminium alloy. Materials Science and Technology, 2004, 20, 772-782.	1.6	26
33	Evaluation of fracture energy GIC using a double cantilever beam fibre composite specimen. Engineering Fracture Mechanics, 1995, 51, 317-322.	4.3	25
34	Large amplitude vibrations of a tapered cantilever beam. Journal of Sound and Vibration, 1988, 127, 173-178.	3.9	24
35	Effect of long-seam mismatch on the burst pressure of maraging steel rocket motor cases. Engineering Failure Analysis, 2005, 12, 325-336.	4.0	23
36	Finite element analysis with an improved failure criterion for composite wind turbine blades. Forschung Im Ingenieurwesen/Engineering Research, 2008, 72, 193-207.	1.6	23

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37	Some Remarks on the Harmonic Balance Method for Mixed-Parity Non-Linear Oscillations. Journal of Sound and Vibration, 1994, 170, 571-576.	3.9	21
38	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.	3.1	21
39	On the fracture toughness evaluation in weldments of a maraging steel rocket motor case. Materials & Design, 2010, 31, 4921-4926.	5.1	21
40	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.	2.6	21
41	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.	3.2	21
42	Large deflections of a cantilever beam subjected to a rotational distributed loading. Forschung Im Ingenieurwesen/Engineering Research, 1989, 55, 116-120.	1.6	20
43	Large-amplitude free vibrations of laminated anisotropic thin plates based on harmonic balance method. Journal of Sound and Vibration, 1992, 154, 173-177.	3.9	20
44	Reinvestigation Of Non-linear Vibrations Of Simply Supported Rectangular Cross-ply Plates. Journal of Sound and Vibration, 1993, 160, 1-6.	3.9	20
45	Heat transfer in a viscoelastic boundary layer flow through a porous medium. Computational Mechanics, 2004, 34, 27.	4.0	20
46	Modified instability condition for identification of unstable metal flow regions in processing maps of magnesium alloys. Materials Science and Technology, 2005, 21, 976-984.	1.6	20
47	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.	2.6	20
48	Interface fracture assessment on honeycomb sandwich composite DCB specimens. Engineering Fracture Mechanics, 2012, 93, 108-118.	4.3	20
49	Development and analysis of high density poly ethylene (HDPE) nano SiO <sub>2</sub> and wood powder reinforced polymer matrix hybrid nano composites. Journal of Experimental Nanoscience, 2018, 13, S24-S30.	2.4	20
50	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.	1.3	20
51	Large deflections of a nonuniform cantilever beam with end rotational load. Forschung Im Ingenieurwesen/Engineering Research, 1988, 54, 24-26.	1.6	19
52	Magnetohydrodynamic flow in a rectangular duct with suction and injection. Acta Mechanica, 2000, 140, 57-64.	2.1	19
53	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.	3.3	19
54	Fatigue crack growth of AA2219 under different aging conditions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4040-4049.	5.6	19

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55	Taguchi's Approach to Examine the Effect of Drilling Induced Damage on the Notched Tensile Strength of Woven GFR"epoxy Composites. <i>Advanced Composite Materials</i> , 2011, 20, 261-275.	1.9	19
56	Improved solution for the non-linear vibration of simply supported rectangular cross-ply plates. <i>Journal of Sound and Vibration</i> , 1991, 150, 517-519.	3.9	18
57	Dynamics of satellite separation system. <i>Journal of Sound and Vibration</i> , 2006, 297, 444-455.	3.9	18
58	Reliability and Safety Assessments of the Satellite Separation Process of a Typical Launch Vehicle. <i>Journal of Defense Modeling and Simulation</i> , 2012, 9, 369-382.	1.7	18
59	Effect of compression ratio on compression ignition engine with RUCO biodiesel/ diethyl ether/ diesel fuel blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-20.	2.3	18
60	A RATIONAL HARMONIC BALANCE APPROXIMATION FOR THE DUFFING EQUATION OF MIXED PARITY. <i>Journal of Sound and Vibration</i> , 1997, 207, 597-599.	3.9	17
61	Nonlinear Vibration Analysis of Thin Laminated Rectangular Plates on Elastic Foundations. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2000, 80, 183-192.	1.6	17
62	Identification of Optimum Laser Beam Welding Process Parameters for E110 Zirconium Alloy Butt Joint Based on Taguchi-CFD Simulations. <i>Lasers in Manufacturing and Materials Processing</i> , 2018, 5, 182-199.	2.2	17
63	Stability of a cantilever column under a tip-concentrated subtangential follower force, with the value of subtangential parameter close to or equal to. <i>Journal of Sound and Vibration</i> , 1988, 125, 181-184.	3.9	16
64	Stage separation dynamic analysis of upper stage of a multistage launch vehicle using retro rockets. <i>Mathematical and Computer Modelling</i> , 2005, 41, 849-866.	2.0	16
65	Investigations on the performance of chevron type plate heat exchangers. <i>Heat and Mass Transfer</i> , 2018, 54, 227-239.	2.1	16
66	Optimal laser welding process parameters and expected weld bead profile for P92 steel. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	16
67	Modified Taguchi Approach to Trace the Optimum GMAW Process Parameters on Weld Dilution for ST-37 Steel Plates. <i>Journal of Testing and Evaluation</i> , 2019, 47, 3209-3223.	0.7	16
68	Large-amplitude vibration of thin plates. <i>Journal of Sound and Vibration</i> , 1991, 149, 509-512.	3.9	15
69	Destructive tests of 15CDV6 steel rocket motor cases and their application to lightweight design. <i>International Journal of Pressure Vessels and Piping</i> , 1995, 62, 313-320.	2.6	15
70	Post-buckling of cantilever columns having variable cross-section under a combined load. <i>International Journal of Non-Linear Mechanics</i> , 2003, 38, 1513-1522.	2.6	15
71	Fracture toughness of nitramine and composite solid propellants. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 403, 125-133.	5.6	15
72	Optimum Process Parameters for Plywood Manufacturing using Soya Meal Adhesive. <i>Materials Today: Proceedings</i> , 2018, 5, 18739-18744.	1.8	15

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73	Incorporation of Taguchi approach with CFD simulations on laser welding of spacer grid fuel rod assembly. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 269, 115182.	3.5	15
74	Entrance flow in a MHD channel with Hall and ion slip currents. <i>AIAA Journal</i> , 1976, 14, 1768-1770.	2.6	14
75	Large amplitude vibrations of laminated hybrid composite plates. <i>Journal of Sound and Vibration</i> , 1992, 159, 540-545.	3.9	14
76	Flow of a second-order fluid over a stretching surface having power-law temperature. <i>Acta Mechanica</i> , 1998, 128, 259-262.	2.1	14
77	Residual strength of aluminum-lithium alloy center surface crack tension specimens at cryogenic temperatures. <i>Cryogenics</i> , 2000, 40, 789-795.	1.7	14
78	An efficient axisymmetric hybrid-stress-displacement formulation for compressible/nearly incompressible material. <i>International Journal of Pressure Vessels and Piping</i> , 2000, 77, 651-667.	2.6	14
79	Nonlinear vibration analysis of initially stressed thin laminated rectangular plates on elastic foundations. <i>Journal of Sound and Vibration</i> , 2005, 282, 949-969.	3.9	14
80	Reinvestigation of the nonuniqueness of the flow of a viscoelastic fluid over a stretching sheet. <i>Quarterly of Applied Mathematics</i> , 1993, 51, 401-404.	0.7	14
81	Exact solution of the equation of motion to obtain non-linear vibration characteristics of thin plates. <i>Journal of Sound and Vibration</i> , 1992, 153, 168-170.	3.9	13
82	Tensile fracture of HTPB based propellant specimens. <i>Materials Science and Technology</i> , 2002, 18, 1408-1412.	1.6	13
83	Fracture behaviour of maraging steel tensile specimens and pressurized cylindrical vessels. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2004, 27, 177-186.	3.4	13
84	Rigid body separation dynamics for space launch vehicles. <i>Aeronautical Journal</i> , 2006, 110, 289-302.	1.6	13
85	Tension and Compression Strength Evaluation of Composite Plates with Circular Holes. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 1500-1514.	3.1	13
86	Application of Fracture Mechanics to Specify the Proof Load Factor for Clamp Band Systems of Launch Vehicles. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 926-935.	2.5	13
87	Numerical Simulations on the Laser Spot Welding of Zirconium Alloy Endplate for Nuclear Fuel Bundle Assembly. <i>Lasers in Manufacturing and Materials Processing</i> , 2018, 5, 53-70.	2.2	13
88	Numerical Simulation of the Processes of Formation of a Welded Joint with a Pulsed ND:YAG Laser Welding of Zr-1%Nb Alloy. <i>Thermal Engineering (English Translation of Teploenergetika)</i> , 2019, 66, 210-218.	0.9	13
89	Applicability of the static or dynamic criterion for the stability of a cantilever column under a tip-concentrated subtangential follower force. <i>Journal of Sound and Vibration</i> , 1988, 120, 197-200.	3.9	12
90	Non-linear vibrations of a simply supported rectangular antisymmetric cross-ply plate with immovable edges. <i>Journal of Sound and Vibration</i> , 1992, 152, 568-572.	3.9	12

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91	Development of a Soya Based Adhesive in Plywood Manufacturing. <i>Materials Today: Proceedings</i> , 2015, 2, 3027-3031.	1.8	12
92	Multi-objective optimization for optimum abrasive water jet machining process parameters of Inconel718 adopting the Taguchi approach. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019, 16, 306-321.	1.3	12
93	Heat transfer in a viscoelastic boundary layer flow over a stretching sheet. <i>Journal Physics D: Applied Physics</i> , 1994, 27, 1323-1327.	2.8	11
94	ON THE UNIQUENESS OF ANGULAR FREQUENCY USING HARMONIC BALANCE FROM THE EQUATION OF MOTION AND THE ENERGY RELATION. <i>Journal of Sound and Vibration</i> , 1997, 200, 367-370.	3.9	11
95	Moderately Large Deflection of Laminated Thin Rectangular Plates. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2002, 82, 352.	1.6	11
96	Applicability of static or dynamic criterion for the stability of a non-uniform cantilever column subjected to a tip-concentrated subtangential follower force. <i>Journal of Sound and Vibration</i> , 1988, 122, 188-191.	3.9	10
97	Failure assessment on M300 grade maraging steel cylindrical pressure vessels with an internal surface crack. <i>International Journal of Pressure Vessels and Piping</i> , 1998, 75, 537-543.	2.6	10
98	Failure pressure estimations on a solid propellant rocket motor with a circular perforated grain. <i>International Journal of Pressure Vessels and Piping</i> , 1999, 76, 955-963.	2.6	10
99	Processing maps for hot deformation of $\pm 2$ aluminide alloy Ti-24Al-11Nb. <i>Journal of Materials Science</i> , 2002, 37, 1197-1201.	3.7	10
100	Correlating cryogenic fracture strength using a modified two-parameter method. <i>Engineering Fracture Mechanics</i> , 2005, 72, 475-490.	4.3	10
101	Nonlinear vibration analysis for a generic coupled-laminated plate with surface bonded or embedded induced strain actuators. <i>Journal of Sound and Vibration</i> , 2007, 301, 846-863.	3.9	10
102	Failures of High-Temperature Critical Components in Combined Cycle Power Plants. <i>Journal of Failure Analysis and Prevention</i> , 2013, 13, 409-419.	0.9	10
103	Comparative performance and emission studies of the CI engine with <i>Nodularia Spumigena</i> microalgae biodiesel versus different vegetable oil derived biodiesel. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	10
104	Analytical studies and numerical predictions of stresses in shear joints of layered composite panels for aerospace applications. <i>Composite Structures</i> , 2021, 255, 112927.	5.8	10
105	Comparison of fracture models to assess the notched strength of composite/solid propellant tensile specimens. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 385, 429-439.	5.6	10
106	Failure assessment on 34Cr Mo4 grade steel cylindrical pressure vessels with an axial surface crack. <i>International Journal of Pressure Vessels and Piping</i> , 1997, 72, 157-163.	2.6	9
107	Evaluation of elastic constants of specially orthotropic plates through vibration testing. <i>Journal of Sound and Vibration</i> , 2004, 272, 413-424.	3.9	9
108	Interface Fracture Assessment on Sandwich DCB Specimens. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 1963-1977.	3.1	9

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109	Large Deflection Analysis of a Spring Hinged Cantilever Beam Subjected to a Tip Concentrated Rational Load. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1987, 67, 519-520.	1.6	8
110	Free vibration of simply supported and clamped elliptical plates. Journal of Sound and Vibration, 1992, 158, 383-386.	3.9	8
111	Application of hybrid Galerkin method to non-linear free vibrations of laminated thin plates. Journal of Sound and Vibration, 1992, 154, 573-576.	3.9	8
112	Fracture behaviour of a high strength medium carbon low alloy steel. Engineering Fracture Mechanics, 1996, 53, 303-308.	4.3	8
113	Failure Assessment on a Strip Biaxial Tension Specimen for a HTPB-Based Propellant Material. Propellants, Explosives, Pyrotechnics, 1999, 24, 349-352.	1.6	8
114	Fracture strength of flawed cylindrical pressure vessels under cryogenic temperatures. Cryogenics, 2002, 42, 661-673.	1.7	8
115	Magnetohydrodynamic flow past a semi-infinite moving plate. Acta Mechanica, 1996, 117, 159-164.	2.1	7
116	Notched strength of carbon fibre/epoxy composite laminates with a circular hole. Forschung Im Ingenieurwesen/Engineering Research, 2000, 65, 295-300.	1.6	7
117	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.	1.6	7
118	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.	5.6	7
119	Finite Element Analysis and Notched Tensile Strength Evaluation of Center-Hole 2D Carbon/Carbon Laminates. Advanced Composite Materials, 2011, 20, 289-300.	1.9	7
120	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.	2.6	7
121	Influence of Root Rotation on Delamination Fracture Toughness of Composites. International Journal of Aerospace Engineering, 2014, 2014, 1-12.	0.9	7
122	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.	1.0	7
123	Numerical investigation of temperature distribution and melt pool geometry in laser beam welding of a Zr-1% Nb alloy nuclear fuel rod end cap. Bulletin of Materials Science, 2019, 42, 1.	1.7	7
124	Multiobjective optimization for the optimal heat pipe working parameters based on Taguchi's design of experiments. Heat Transfer, 2022, 51, 2510-2523.	3.0	7
125	Nonlinear Free Vibration Characteristics of Laminated Anisotropic Thin Plates. AIAA Journal, 1992, 30, 2991-2993.	2.6	6
126	Further comments on the harmonic balance comparison of equation of motion and energy methods. Journal of Sound and Vibration, 1995, 183, 563-565.	3.9	6



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127	LETTER TO THE EDITOR: ON THE RELATIONSHIP BETWEEN THE FUNDAMENTAL FREQUENCY AND STATIC DEFLECTIONS OF THIN ELASTIC PLATES. <i>Journal of Sound and Vibration</i> , 1996, 196, 523-528.	3.9	6
128	On the polar reciprocity model for hot deformation characteristics of materials. <i>Bulletin of Materials Science</i> , 1999, 22, 9-10.	1.7	6
129	Notched tensile strength of randomly oriented E-glass composite laminates. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 282, 59-66.	5.6	6
130	Nonlinear free vibration analysis of generic coupled induced strain actuated piezo-laminated beams. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2008, 72, 153-162.	1.6	6
131	Analytical prediction of stability lobes in high-speed milling and their application to micromilling. <i>International Journal of Manufacturing Technology and Management</i> , 2008, 13, 146.	0.1	6
132	Characterization Of Plywoods Produced By Various Bio-Adhesives. <i>Materials Today: Proceedings</i> , 2017, 4, 496-508.	1.8	6
133	Thermal characterisation of dairy washed scum methyl ester and its b-20 blend for combustion applications. <i>International Journal of Ambient Energy</i> , 2022, 43, 4433-4443.	2.5	6
134	Experimental investigation on the effect of compression ratio over emission and performance characteristics of the diesel engine using ternary blends. <i>International Journal of Green Energy</i> , 2021, 18, 231-242.	3.8	6
135	Studies on laminar thin film flow along a vertical wall. <i>Acta Mechanica</i> , 1991, 89, 21-31.	2.1	5
136	Applicability of the perturbation technique to the periodic solution of [formula]. <i>Journal of Sound and Vibration</i> , 1995, 180, 177-184.	3.9	5
137	Effect of pressure gradient on MHD boundary layer over a flat plate. <i>Acta Mechanica</i> , 1995, 113, 1-7.	2.1	5
138	Magneto-hydrodynamic asymmetric stagnation point flow. <i>Journal Physics D: Applied Physics</i> , 1995, 28, 1319-1323.	2.8	5
139	Heat transfer in a viscoelastic boundary layer flow over a stretching sheet revisited. <i>Journal Physics D: Applied Physics</i> , 1997, 30, 3330-3334.	2.8	5
140	Heat Transfer in the MHD Flow of a Viscoelastic Fluid over a Stretching Sheet. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 1997, 77, 317-319.	1.6	5
141	Notched tensile strength of various fibre reinforced metal laminates. <i>Advanced Composite Materials</i> , 2000, 9, 187-206.	1.9	5
142	On the hot working characteristics of 2124 Al-SiCp metal matrix composites. <i>Advanced Composite Materials</i> , 2002, 11, 105-120.	1.9	5
143	Failure Assessment on Tensile Cracked Specimens of Aluminum Alloys. <i>Journal of Pressure Vessel Technology</i> , Transactions of the ASME, 2004, 126, 404-406.	0.6	5
144	Modified Average Stress Criterion to Predict the Fracture Strength of Various Lay-Ups of Carbon/Epoxy Laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 346-358.	3.1	5

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145	How valid are Sugiyama's experiments on follower forces?. International Journal of Non-Linear Mechanics, 2017, 93, 122-125.	2.6	5
146	Influence of micro and nano carbon fillers on impact behavior of GFRP composite materials. Materials Today: Proceedings, 2021, 37, 1075-1078.	1.8	5
147	Optimization of Hot Workability and Control of Microstructure in 18Ni (M250 Grade) Maraging Steel Using Processing Maps. Materials Performance and Characterization, 2018, 7, 20180082.	0.3	5
148	Thermogravimetric and combustion efficiency analysis of Jatropha curcas biodiesel and its derivatives. Biofuels, 2022, 13, 1069-1079.	2.4	5
149	Stability of a cantilever column resting on an elastic foundation subjected to a subtangential follower force at its free end. Journal of Sound and Vibration, 1988, 125, 570-577.	3.9	4
150	Post-Critical Behaviour of a Tapered Cantilever Column Subjected to a Tip-Concentrated Follower Force. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1991, 71, 471-473.	1.6	4
151	Stability of simply supported and clamped elliptical plates. Journal of Sound and Vibration, 1992, 159, 378-381.	3.9	4
152	Large amplitude vibrations of a string stretched under a constant tension. Journal of Sound and Vibration, 1992, 158, 181-185.	3.9	4
153	APPLICABILITY OF THE ENERGY METHOD TO NON-LINEAR VIBRATIONS OF THIN RECTANGULAR PLATES. Journal of Sound and Vibration, 1995, 187, 346-357.	3.9	4
154	Final Solution of Duffing Equation of Mixed Parity. AIAA Journal, 1997, 35, 1246-1248.	2.6	4
155	Fracture strength of graphite/epoxy center-notched tensile strips. Journal of Materials Science Letters, 2000, 19, 911-914.	0.5	4
156	Notched strength evaluation of fabric laminates having a circular hole. Advanced Composite Materials, 2000, 9, 47-58.	1.9	4
157	Reinvestigation of dynamic materials model analysis of 99.94% purity aluminium. Materials Science and Technology, 2002, 18, 571-574.	1.6	4
158	On the relationship between the intrinsic hot workability parameters of DMM and PRM. Scandinavian Journal of Metallurgy, 2003, 32, 185-193.	0.3	4
159	Post-critical behaviour of Euler and Beck columns resting on an elastic foundation. Journal of Sound and Vibration, 2004, 276, 1150-1158.	3.9	4
160	On the thinning variation of a superplastically formed titanium alloy spherical domes. Journal of Materials Processing Technology, 2005, 160, 370-373.	6.3	4
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