Pradeep

List of Publications by Citations

178	5,228	41	64
papers	citations	h-index	g-index
184	6,148	2.9	6.39
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
178	Risk analysis in green supply chain using fuzzy AHP approach: A case study. *Resources, Conservation and Recycling*, **2015**, 104, 375-390	11.9	257
177	A goal programming model for paper recycling system. *Omega*, **2008**, 36, 405-417	7.2	219
176	Optimizing power consumption for CNC turned parts using response surface methodology and Taguchi's technique—A comparative analysis. *Journal of Materials Processing Technology*, **2008**, 200, 373-384	5.3	191
175	Flexible Decision Approach for Analysing Performance of Sustainable Supply Chains Under Risks/Uncertainty. *Global Journal of Flexible Systems Management*, **2014**, 15, 113-130	5.9	129
174	Numerical simulation of powder mixed electric discharge machining (PMEDM) using finite element method. *Mathematical and Computer Modelling*, **2008**, 47, 1217-1237		124
173	Some studies on P91 steel and their weldments. *Journal of Alloys and Compounds*, **2018**, 743, 332-364	5.7	116
172	A new approach to joining of bulk copper using microwave energy. *Materials & Design*, **2011**, 32, 2685-2694		109
171	Effect of welding parameters on microstructure and mechanical properties of friction stir welded joints of AA7039 aluminum alloy. *Materials & Design*, **2012**, 36, 379-390		107
170	A combined approach using AHP and DEMATEL for evaluating success factors in implementation of green supply chain management in Indian manufacturing industries. *International Journal of Logistics Research and Applications*, **2016**, 19, 537-561	3.8	105
169	Optimization of multiple quality characteristics for CNC turning under cryogenic cutting environment using desirability function. *Journal of Materials Processing Technology*, **2008**, 205, 42-50	5.3	104
168	Quality optimization (multi-characteristics) through Taguchi's technique and utility concept. *Quality and Reliability Engineering International*, **2000**, 16, 475-485	2.6	104
167	Study of the fracture surface morphology of impact and tensile tested cast and forged (C&F) Grade 91 steel at room temperature for different heat treatment regimes. *Engineering Failure Analysis*, **2017**, 71, 131-147	3.2	99
166	An integrated model to identify and classify the key criteria and their role in the assessment of 3PL services providers. *Asia Pacific Journal of Marketing and Logistics*, **2008**, 20, 227-249	3.2	97
165	Modeling the logistics outsourcing relationship variables to enhance shippers' productivity and competitiveness in logistical supply chain. *International Journal of Productivity and Performance Management*, **2007**, 56, 689-714	2.3	94
164	Effect of post weld heat treatments on microstructure and mechanical properties of friction stir welded joints of Al–Zn–Mg alloy AA7039. *Materials & Design*, **2013**, 43, 134-143		90
163	Investigation on microstructural and mechanical properties of microwave processed dissimilar joints. *Journal of Manufacturing Processes*, **2011**, 13, 141-146	5	81
162	Sliding Wear Properties of Jute Fabric Reinforced Polypropylene Composites. *Procedia Engineering*, **2014**, 97, 402-411		70

161	Influence of in-process cooling on tensile behaviour of friction stir welded joints of AA7039. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2012**, 556, 479-487	5.3	66
160	Microstructure and mechanical property relationship for different heat treatment and hydrogen level in multi-pass welded P91 steel joint. *Journal of Manufacturing Processes*, **2017**, 28, 220-234	5	65
159	On Electro Discharge Machining of Inconel 718 with Hollow Tool. *Journal of Materials Engineering and Performance*, **2012**, 21, 882-891	1.6	63
158	Prioritizing the responses to manage risks in green supply chain: An Indian plastic manufacturer perspective. *Sustainable Production and Consumption*, **2015**, 1, 67-86	8.2	60
157	Flexible Decision Modeling for Evaluating the Risks in Green Supply Chain Using Fuzzy AHP and IRP Methodologies. *Global Journal of Flexible Systems Management*, **2015**, 16, 19-35	5.9	59
156	Effect of Pulse Duration on Quality Characteristics of Blind Hole Drilled in Glass by ECDM. *Materials and Manufacturing Processes*, **2016**, 31, 1740-1748	4.1	59
155	A Flexible Decision Framework for Building Risk Mitigation Strategies in Green Supply Chain Using SAP□AP and IRP Approaches. *Global Journal of Flexible Systems Management*, **2014**, 15, 203-218	5.9	59
154	Fuzzy modeling of system behavior for risk and reliability analysis. *International Journal of Systems Science*, **2008**, 39, 563-581	2.3	59
153	Hydrogen induced cold cracking of creep resistant ferritic P91 steel for different diffusible hydrogen levels in deposited metal. *International Journal of Hydrogen Energy*, **2016**, 41, 17695-17712	6.7	58
152	Role of evolving microstructure on the mechanical behaviour of P92 steel welded joint in as-welded and post weld heat treated state. *Journal of Materials Processing Technology*, **2019**, 263, 241-255	5.3	58
151	Optimization of tensile properties of evaporative pattern casting process through Taguchi's method. *Journal of Materials Processing Technology*, **2008**, 204, 59-69	5.3	56
150	Effect of normalization and tempering on microstructure and mechanical properties of V-groove and narrow-groove P91 pipe weldments. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 685, 39-49	5.3	54
149	On ultrasonic assisted abrasive flow finishing of bevel gears. *International Journal of Machine Tools and Manufacture*, **2015**, 89, 29-38	9.4	51
148	Parametric Optimization of Centrifugal Force-Assisted Abrasive Flow Machining (CFAAFM) by the Taguchi Method. *Materials and Manufacturing Processes*, **2006**, 21, 375-382	4.1	51
147	Characterization of bulk stainless steel joints developed through microwave hybrid heating. *Materials Characterization*, **2014**, 91, 34-41	3.9	50
146	Flaw detection in radiographic weldment images using morphological watershed segmentation technique. *NDT and E International*, **2009**, 42, 2-8	4.1	49
145	Comparative study of autogenous tungsten inert gas welding and tungsten arc welding with filler wire for dissimilar P91 and P92 steel weld joint. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 712, 720-737	5.3	48
144	Microstructure-based assessment of creep rupture behaviour of cast-forged P91 steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 695, 291-301	5.3	47

143	An integrated methodology of FTA and fuzzy AHP for risk assessment in green supply chain. *International Journal of Operational Research*, **2016**, 25, 77	0.9	46
142	Effect of tool rotation in near-dry EDM process on machining characteristics of HSS. *Materials and Manufacturing Processes*, **2019**, 34, 779-790	4.1	45
141	Softening mechanism of P91 steel weldments using heat treatments. *Archives of Civil and Mechanical Engineering*, **2019**, 19, 297-310	3.4	44
140	Effect of post weld heat treatments on microstructure evolution and type IV cracking behavior of the P91 steel welds joint. *Journal of Materials Processing Technology*, **2019**, 266, 140-154	5.3	42
139	Microstructure characterization and charpy toughness of P91 weldment for as-welded, post-weld heat treatment and normalizing & tempering heat treatment. *Metals and Materials International*, **2017**, 23, 900-914	2.4	41
138	A brief study on δ-ferrite evolution in dissimilar P91 and P92 steel weld joint and their effect on mechanical properties. *Archives of Civil and Mechanical Engineering*, **2018**, 18, 713-722	3.4	41
137	Predicting uncertain behavior of industrial system using FMEA practical case. *Applied Soft Computing Journal*, **2008**, 8, 96-109	7.5	41
136	Mitigate risks in perishable food supply chains: Learning from COVID-19. *Technological Forecasting and Social Change*, **2021**, 166, 120643	9.5	41
135	Dissimilar joining of CSEF steels using autogenous tungsten-inert gas welding and gas tungsten arc welding and their effect on δ-ferrite evolution and mechanical properties. *Journal of Manufacturing Processes*, **2018**, 31, 247-259	5	41
134	Effect of Weld Consumable Conditioning on the Diffusible Hydrogen and Subsequent Residual Stress and Flexural Strength of Multipass Welded P91 Steels. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2018**, 49, 2881-2895	2.5	38
133	Effect of strain rate and notch geometry on tensile properties and fracture mechanism of creep strength enhanced ferritic P91 steel. *Journal of Nuclear Materials*, **2018**, 498, 176-186	3.3	35
132	Challenges in perishable food supply chains for sustainability management: A developing economy perspective. *Business Strategy and the Environment*, **2020**, 29, 1809-1831	8.6	34
131	Assessment of Critical Enablers for Flexible Supply Chain Performance Measurement System Using Fuzzy DEMATEL Approach. *Global Journal of Flexible Systems Management*, **2015**, 16, 115-132	5.9	34
130	Analytical modeling of third party service provider selection in lead logistics provider environments. *Journal of Modelling in Management*, **2010**, 5, 275-286	2.2	34
129	Study on effect of double austenitization treatment on fracture morphology tensile tested nuclear grade P92 steel. *Engineering Failure Analysis*, **2019**, 96, 158-167	3.2	34
128	Analysis of interactions among the drivers of green supply chain management. *International Journal of Business Performance and Supply Chain Modelling*, **2015**, 7, 92	0.6	33
127	Experimental Studies on Mechanism of Material Removal in Abrasive Flow Machining Process. *Materials and Manufacturing Processes*, **2008**, 23, 714-718	4.1	33
126	Planning and optimizing the maintenance of paper production systems in a paper plant. *Computers and Industrial Engineering*, **2008**, 55, 817-829	6.4	32

125	Assessment of CSR based supply chain performance system using an integrated fuzzy AHP-TOPSIS approach. *International Journal of Logistics Research and Applications*, **2018**, 21, 378-406	3.8	31
124	Experimental investigation and optimisation in EDM of Al 6063 SiCp metal matrix composite. *International Journal of Machining and Machinability of Materials*, **2008**, 3, 293	0.7	31
123	Parametric optimization of magnetic-field-assisted abrasive flow machining by the Taguchi method. *Quality and Reliability Engineering International*, **2002**, 18, 273-283	2.6	30
122	Effect of post weld heat treatments on fracture frontier and type IV cracking nature of the crept P91 welded sample. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 731, 249-265	5.3	29
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115	Taguchi□ optimization of process parameters for production accuracy in ultrasonic drilling of engineering ceramics. *Production Engineering*, **2009**, 3, 243-253	1.9	27
114	Optimization of process parameters for ultrasonic drilling of advanced engineering ceramics using the Taguchi approach. *Engineering Optimization*, **2006**, 38, 771-787	2	27
113	A comparative study of ductile-brittle transition behavior and fractography of P91 and P92 steel. *Engineering Failure Analysis*, **2017**, 81, 245-253	3.2	26
112	EDM of high aspect ratio micro-holes on Ti-6Al-4V alloy by synchronizing energy interactions. *Materials and Manufacturing Processes*, **2020**, 35, 1188-1203	4.1	25
111	Influence of pre-weld temper conditions of base metal on microstructure and mechanical properties of friction stir weld joints of Al□Zn□Mg alloy AA7039. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2015**, 620, 107-119	5.3	24
110	Decision and information interoperability for improving performance of product recovery systems. *Decision Support Systems*, **2012**, 53, 448-457	5.6	24
109	Effect of Slurry Composition on Plate Weight in Ceramic Shell Investment Casting. *Journal of Materials Engineering and Performance*, **2008**, 17, 489-498	1.6	24
108	Structure□Property Correlations in Microwave Joining of Inconel 718. *Jom*, **2015**, 67, 2087-2098	2.1	23

107	Optimizing feed force for turned parts through the Taguchi technique. *Sadhana - Academy Proceedings in Engineering Sciences*, **2006**, 31, 671-681	1	23
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100	A photoelasticity approach for characterization of defects in microwave drilling of soda lime glass. *Journal of Materials Processing Technology*, **2015**, 225, 151-161	5.3	19
99	A comparative study of transverse shrinkage stresses and residual stresses in P91 welded pipe including plasticity error. *Archives of Civil and Mechanical Engineering*, **2018**, 18, 1000-1011	3.4	19
98	Monte Carlo Simulation Based Approach to Manage Risks in Operational Networks in Green Supply Chain. *Procedia Engineering*, **2014**, 97, 2186-2194		19
97	Quality costing in process industries through QCAS: a practical case. *International Journal of Production Research*, **2007**, 45, 3381-3403	7.8	19
96	On near-dry wire ECDM of Al6063/SiC/10p MMC. *Materials and Manufacturing Processes*, **2021**, 36, 122-134	4.1	19
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91	Investigations on performance of ECDM process using NaOH and NaNO3 electrolytes while micro machining soda lime glass. *International Journal of Manufacturing Technology and Management*, **2014**, 28, 80	0.4	17
90	A study about hole making in woven jute fabric-reinforced polymer composites. *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, **2016**, 230, 888-898	1.3	16

89	Framework for benchmarking logistics performance using fuzzy AHP. *International Journal of Business Performance and Supply Chain Modelling*, **2009**, 1, 82	0.6	16
88	Fracture behaviour of crept P91 welded sample for different post weld heat treatments condition. *Engineering Failure Analysis*, **2019**, 95, 18-29	3.2	16
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84	On Crack Control Strategy in Near-Field Microwave Drilling of Soda Lime Glass Using Precursors. *Journal of Thermal Science and Engineering Applications*, **2015**, 7,	1.9	14
83	Electric discharge drilling of metal matrix composites with different tool geometries. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2013**, 227, 1245-1249	2.4	14
82	Recent Developments and Research Issues in Microultrasonic Machining. *ISRN Mechanical Engineering*, **2011**, 2011, 1-15		14
81	Research trends in abrasive flow machining: A systematic review. *Journal of Manufacturing Processes*, **2021**, 64, 1434-1461	5	14
80	Mechanical Behavior of Nettle/Wool Fabric Reinforced Polyethylene Composites. *Journal of Natural Fibers*, **2016**, 13, 610-618	1.8	13
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78	Selection of Logistics Services Provider (LSP) under fuzzy environment: a graph-theoretic and matrix approach. *International Journal of Logistics Systems and Management*, **2009**, 5, 551	0.7	13
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75	Effect on crystalline structure of AISI M2 steel using tungsten thorium electrode through MRR, EWR, and surface finish. *Measurement: Journal of the International Measurement Confederation*, **2016**, 90, 74-84	4.6	12
74	Investigations on Rotary Tool Near-Dry Electric Discharge Machining. *Minerals, Metals and Materials Series*, **2017**, 327-334	0.3	11
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63	Parametric Selection of Alternatives to Improve Performance of Green Supply Chain Management System. *Procedia, Social and Behavioral Sciences*, **2015**, 189, 449-457		8
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61	Heterogeneity of Microstructure and Mechanical Properties of Friction Stir Welded Joints of Al-Zn-Mg Alloy AA7039. *Procedia Engineering*, **2013**, 64, 1384-1394		8
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48	Simultaneous optimisation of conflicting responses for CNC turned parts using desirability function. *International Journal of Manufacturing Technology and Management*, **2009**, 18, 319	0.4	6
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37	Quantitative assessment of mutual relationship of issues experienced in greening supply chain using ISM-fuzzy MICMAC approach. *International Journal of Logistics Systems and Management*, **2018**, 30, 162	0.7	5
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34	Investigation on the effect of post weld heat treatment on microwave joining of the Alloy-718 weldment. *Materials Research Express*, **2019**, 6, 086554	1.7	4
33	Some Studies on Performance of a Natural Polymer Media for Abrasive Flow Machining **2011**, 333-340		4
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31	A loss function based decision support model for 3PL selection by 4PLs. *International Journal of Integrated Supply Management*, **2010**, 5, 365	3.8	4
30	Investigations of the effect of injection parameters on the dimensional accuracy of wax patterns used in ceramic shell investment casting. *International Journal of Manufacturing Technology and Management*, **2010**, 21, 148	0.4	4
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27	Parametric Study while Microchanneling on Optical Glass Using Microcontroller Driven ECDM Process. *Advanced Materials Research*, **2012**, 585, 417-421	0.5	3
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20	Role of Heat Treatment on Grain Refinement and Microhardness of 9Cr1MoVNb Steel. *Metallography, Microstructure, and Analysis*, **2019**, 8, 472-478	1.1	2
19	Design and Development of Electro-Discharge Drilling Process. *Advanced Materials Research*, **2013**, 651, 607-611	0.5	2
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16	Reinforcement of polylactic acid with bioceramics (alumina and YSZ composites) and their thermomechanical and physical properties for biomedical application. *Journal of Vinyl and Additive Technology*, **2021**, 27, 612-625	2	2
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6	A Novel Method for Joining of Stainless Steel (SS-316) Through Microwave Energy **2011**, 279-286		
5	B-15 EFFECT OF COATING MATERIAL ON VISCOSITY OF SLURRY USED IN VACUUM ASSISTED EVAPORATIVE PATTERN CASTING PROCESS(Session: Coatings/Thin Films). *The Proceedings of the Asian Symposium on Materials and Processing*, **2006**, 2006, 38		
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3	Application of Taguchi Method in the Optimization of Process Parameters for Conicity of Holes in Ultrasonic Drilling of Engineering Ceramics167-178		
2	Simulation of Material Removal Rate in Ultrasonic Drilling Process Using Finite Element Analysis and Taguchi Method179-190		
1	Evaluation of the Surface Integrity of Titanium Nitride Coating Deposited on the NiTi Substrate Through the Near-Dry Electrical Discharge Surface Coating Process. *Minerals, Metals and Materials Series*, **2021**, 421-429	0.3	