Pradeep

List of Publications by Year in Descending Order

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

#	Paper	IF	Citations
178	An integrated literature review on sustainable food supply chains: Exploring research themes and future directions.. *Science of the Total Environment*, **2022**, 153411	10.2	2
177	Investigating Enablers to Improve Transparency in Sustainable Food Supply Chain Using F-BWM. *Advances in Intelligent Systems and Computing*, **2021**, 567-575	0.4	
176	Assessing the performance of STED process for fabricating high aspect ratio holes on Inconel 718 alloy. *Materials and Manufacturing Processes*, **2021**, 36, 677-692	4.1	3
175	Research trends in abrasive flow machining: A systematic review. *Journal of Manufacturing Processes*, **2021**, 64, 1434-1461	5	14
174	Mitigate risks in perishable food supply chains: Learning from COVID-19. *Technological Forecasting and Social Change*, **2021**, 166, 120643	9.5	41
173	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
172	Development and characterization of xanthan gum-based abrasive media and performance analysis using abrasive flow machining. *Journal of Manufacturing Processes*, **2021**, 67, 101-115	5	5
171	On near-dry wire ECDM of Al6063/SiC/10p MMC. *Materials and Manufacturing Processes*, **2021**, 36, 122-134	4.1	19
170	Evaluation of the Surface Integrity of Titanium Nitride Coating Deposited on the Ni□Ti Substrate Through the Near-Dry Electrical Discharge Surface Coating Process. *Minerals, Metals and Materials Series*, **2021**, 421-429	0.3	
169	Barriers in adoption of additive manufacturing in medical sector supply chain. *Journal of Advances in Management Research*, **2021**, ahead-of-print,	2.2	4
168	Performance enhancement of rotary tool near-dry EDM process through tool modification. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2021**, 43, 1	2	6
167	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
166	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
165	Experimental Evaluation of a Microwave Drilling Process in Perspex. *Journal of Testing and Evaluation*, **2020**, 48, 20180103	1	1
164	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
163	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
162	On Improvement in Surface Integrity of □-EDMed Ti□6Al□4V Alloy by □-ECM Process. *Minerals, Metals and Materials Series*, **2019**, 745-753	0.3	7

161	Characterization of drilled hole in low melting point material during low power microwave drilling process. *Materials Research Express*, **2019**, 6, 095329	1.7	3
160	Role of Heat Treatment on Grain Refinement and Microhardness of 9Cr1MoVNb Steel. *Metallography, Microstructure, and Analysis*, **2019**, 8, 472-478	1.1	2
159	Fracture behaviour of crept P91 welded sample for different post weld heat treatments condition. *Engineering Failure Analysis*, **2019**, 95, 18-29	3.2	16
158	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
157	Characterisation of dissimilar P91 and P92 steel welds joint. *Materials at High Temperatures*, **2019**, 36, 275-284	1.1	5
156	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
155	Softening mechanism of P91 steel weldments using heat treatments. *Archives of Civil and Mechanical Engineering*, **2019**, 19, 297-310	3.4	44
154	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
153	Some studies on P91 steel and their weldments. *Journal of Alloys and Compounds*, **2018**, 743, 332-364	5.7	116
152	Autogenous Tungsten Inert Gas and Gas Tungsten Arc With Filler Welding of Dissimilar P91 and P92 Steels. *Journal of Pressure Vessel Technology, Transactions of the ASME*, **2018**, 140,	1.2	14
151	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
150	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
149	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
148	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
147	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
146	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
145	Grain Refinement of P91 Steel Using Double Austenitization Treatment. *Materials Performance and Characterization*, **2018**, 7, 20180094	0.5	1
144	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

143	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
142	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
141	Effect of welding process and PWHT on δ-Ferrite evolution in dissimilar P91 and P92 steel joint. *Materials Today: Proceedings*, **2018**, 5, 17080-17088	1.4	1
140	Response of natural fiber reinforced polymer composites when subjected to various environments. *International Journal of Plastics Technology*, **2018**, 22, 56-72	2.7	11
139	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
138	Investigations on Rotary Tool Near-Dry Electric Discharge Machining. *Minerals, Metals and Materials Series*, **2017**, 327-334	0.3	11
137	On Tool Wear in Rotary Tool Micro-Ultrasonic Machining. *Minerals, Metals and Materials Series*, **2017**, 75-82	0.3	4
136	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
135	Effect of creep phenomena on room-temperature tensile properties of cast & forged P91 steel. *Engineering Failure Analysis*, **2017**, 79, 385-396	3.2	22
134	Two start and Three Start Helical Abrasive Flow Machining for Brittle Materials. *Materials Today: Proceedings*, **2017**, 4, 3685-3693	1.4	4
133	Galvanic Corrosion Behavior of Microwave Welded and Post-weld Heat-Treated Inconel-718 Joints. *Journal of Materials Engineering and Performance*, **2017**, 26, 2322-2330	1.6	9
132	Diffusible Hydrogen Level in Deposited Metal and Their Effect on Tensile Properties and Flexural Strength of P91 Steel. *Journal of Engineering Materials and Technology, Transactions of the ASME*, **2017**, 139,	1.8	28
131	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
130	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
129	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
128	Microstructure and transverse shrinkage stress analysis in GTA welds of P91 steel pipe. *International Journal of Steel Structures*, **2017**, 17, 763-774	1.3	11
127	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
126	Modelling and analysis of barriers for supply chain performance measurement system. *International Journal of Operational Research*, **2017**, 28, 392	0.9	5

125	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
124	Mechanical Behavior of Nettle/Wool Fabric Reinforced Polyethylene Composites. *Journal of Natural Fibers*, **2016**, 13, 610-618	1.8	13
123	A fuzzy DEMATEL-based approach for evaluation of risks in green initiatives in supply chain. *International Journal of Logistics Systems and Management*, **2016**, 24, 226	0.7	9
122	On microstructure and strength properties of microwave welded Inconel 718/ stainless steel (SS-316L). *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, **2016**, 230, 939-948	1.3	14
121	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
120	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
119	Investigation on microstructure and mechanical properties of the dissimilar weld between mild steel and stainless steel-316 formed using microwave energy. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2016**, 230, 439-448	2.4	18
118	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
117	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
116	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
115	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
114	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
113	Parametric Selection of Alternatives to Improve Performance of Green Supply Chain Management System. *Procedia, Social and Behavioral Sciences*, **2015**, 189, 449-457		8
112	Experimental investigations into ultrasonic-assisted abrasive flow machining (UAAFM) process. *International Journal of Advanced Manufacturing Technology*, **2015**, 80, 477-493	3.2	17
111	Structure□Property Correlations in Microwave Joining of Inconel 718. *Jom*, **2015**, 67, 2087-2098	2.1	23
110	Effect of Electrolytes on Quality Characteristics of Glass during ECDM. *Key Engineering Materials*, **2015**, 658, 141-145	0.4	12
109	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
108	On ultrasonic assisted abrasive flow finishing of bevel gears. *International Journal of Machine Tools and Manufacture*, **2015**, 89, 29-38	9.4	51

107	Influence of pre-weld temper conditions of base metal on microstructure and mechanical properties of friction stir weld joints of Al□nMg alloy AA7039. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2015**, 620, 107-119	5.3	24
106	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
105	Analyzing CSR issues for supply chain performance system using preference rating approach. *Journal of Manufacturing Technology Management*, **2015**, 26, 830-852	7.1	11
104	Assessing CSR practices for supply chain performance system using fuzzy DEMATEL approach. *International Journal of Logistics Systems and Management*, **2015**, 22, 77	0.7	8
103	Near-dry electrical discharge machining of stainless steel. *International Journal of Machining and Machinability of Materials*, **2015**, 17, 127	0.7	5
102	Sliding behaviour of woven industrial hemp fabric reinforced thermoplastic polymer composites. *International Journal of Plastics Technology*, **2015**, 19, 347-362	2.7	18
101	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
100	Risk analysis in green supply chain using fuzzy AHP approach: A case study. *Resources, Conservation and Recycling*, **2015**, 104, 375-390	11.9	257
99	Developments on electrochemical discharge machining: A review of experimental investigations on tool electrode process parameters. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2015**, 229, 910-920	2.4	22
98	Effect on crystalline structure of AISI M2 steel using copper electrode through material removal rate, electrode wear rate and surface finish. *Measurement: Journal of the International Measurement Confederation*, **2015**, 61, 305-319	4.6	8
97	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
96	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
95	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
94	Fatigue behavior of friction stir weld joints of Al□nMg alloy AA7039 developed using base metal in different temper condition. *Materials & Design*, **2014**, 64, 334-344		27
93	Comparative study of powder mixed EDM and rotary tool EDM performance during machining of Al-SiC metal matrix composites. *International Journal of Machining and Machinability of Materials*, **2014**, 16, 113	0.7	8
92	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
91	Selecting alternatives for improvement in IT enabled supply chain performance. *International Journal of Procurement Management*, **2014**, 7, 168	0.6	9
90	A Hybrid Approach using AHP-TOPSIS for Analyzing e-SCM Performance. *Procedia Engineering*, **2014** , 97, 2195-2203		29

89	Monte Carlo Simulation Based Approach to Manage Risks in Operational Networks in Green Supply Chain. *Procedia Engineering*, **2014**, 97, 2186-2194		19
88	Sliding Wear Properties of Jute Fabric Reinforced Polypropylene Composites. *Procedia Engineering*, **2014**, 97, 402-411		70
87	Distortions in hole and tool during microwave drilling of perspex in a customized applicator **2014**,		6
86	Finishing of Bevel Gears using Abrasive Flow Machining. *Procedia Engineering*, **2014**, 97, 320-328		22
85	Characterization of bulk stainless steel joints developed through microwave hybrid heating. *Materials Characterization*, **2014**, 91, 34-41	3.9	50
84	Heterogeneity of Microstructure and Mechanical Properties of Friction Stir Welded Joints of Al-Zn-Mg Alloy AA7039. *Procedia Engineering*, **2013**, 64, 1384-1394		8
83	Design and Development of Electro-Discharge Drilling Process. *Advanced Materials Research*, **2013**, 651, 607-611	0.5	2
82	Process Optimization for Electro-Discharge Drilling of Metal Matrix Composites. *Procedia Engineering*, **2013**, 64, 1157-1165		15
81	Predicting the effects of tool geometries on friction stirred aluminium welds using artificial neural networks and fuzzy logic techniques. *International Journal of Manufacturing Research*, **2013**, 8, 296	0.4	5
80	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
79	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
78	On Friction Stir Welding of Mg-Zn-RE-Zr Alloy Using Threaded Tools for Aerospace Application **2013**, 237-244		1
77	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
76	Decision and information interoperability for improving performance of product recovery systems. *Decision Support Systems*, **2012**, 53, 448-457	5.6	24
75	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
74	Time Zone Analysis of F-Curve for Intermixing during Ladle Change-Over **2012**, 335-342		
73	Modeling the Effects of Tool Geometries on the Temperature Distributions and Material Flow of Friction Stir Aluminum Welds **2012**, 25-32		
72	On Electro Discharge Machining of Inconel 718 with Hollow Tool. *Journal of Materials Engineering and Performance*, **2012**, 21, 882-891	1.6	63

71	Parametric Study while Microchanneling on Optical Glass Using Microcontroller Driven ECDM Process. *Advanced Materials Research*, **2012**, 585, 417-421	0.5	3
70	Joining of Mild Steel Plates Using Microwave Energy. *Advanced Materials Research*, **2012**, 585, 465-469	0.5	21
69	Study on the effect of tool profiles on temperature distribution and material flow characteristics in friction stir welding. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2012**, 226, 1527-1535	2.4	13
68	System dynamics investigation of information technology in small and medium enterprise supply chain. *Journal of Advances in Management Research*, **2012**, 9, 199-207	2.2	3
67	A Novel Method for Joining of Stainless Steel (SS-316) Through Microwave Energy **2011**, 279-286		
66	Some Studies on Performance of a Natural Polymer Media for Abrasive Flow Machining **2011**, 333-340		4
65	Investigation on microstructural and mechanical properties of microwave processed dissimilar joints. *Journal of Manufacturing Processes*, **2011**, 13, 141-146	5	81
64	A new approach to joining of bulk copper using microwave energy. *Materials & Design*, **2011**, 32, 2685-2694		109
63	System dynamic methodological approach for design and analysis of risk in supply chain **2011**,		4
62	Investigations on Tool Wear in Micro Ultrasonic Machining. *Applied Mechanics and Materials*, **2011**, 110-116, 1561-1566	0.3	6
61	Recent Developments and Research Issues in Microultrasonic Machining. *ISRN Mechanical Engineering*, **2011**, 2011, 1-15		14
60	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
59	A loss function based decision support model for 3PL selection by 4PLs. *International Journal of Integrated Supply Management*, **2010**, 5, 365	3.8	4
58	Dynamic analysis of a global supply chain using system dynamics approach. *International Journal of Electronic Customer Relationship Management*, **2010**, 4, 340	1.1	3
57	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
56	Effect of EDM process parameters on surface quality of Al 6063 SiCp metal matrix composite. *International Journal of Materials and Product Technology*, **2010**, 39, 357	1	5
55	Experimental investigations to optimise step drill geometry for burr minimisation in drilling using regression model. *International Journal of Manufacturing Technology and Management*, **2010**, 21, 122	0.4	6
54	Quantifying bullwhip effect in a closed loop supply chain. *Opsearch*, **2010**, 47, 231-253	1.6	29

53	Some Aspects of Surface Integrity Study of Electro Discharge Machined Inconel 718 **2010**, 439-444		6
52	Selection of 3PL service providers: a combined approach of AHP and Graph theory. *International Journal of Services, Technology and Management*, **2009**, 12, 35	0.2	20
51	Framework for benchmarking logistics performance using fuzzy AHP. *International Journal of Business Performance and Supply Chain Modelling*, **2009**, 1, 82	0.6	16
50	Taguchiš optimization of process parameters for production accuracy in ultrasonic drilling of engineering ceramics. *Production Engineering*, **2009**, 3, 243-253	1.9	27
49	Behavioral and performance analysis of feeding system using stochastic reward nets. *International Journal of Advanced Manufacturing Technology*, **2009**, 45, 156-169	3.2	11
48	Fault diagnosis of a rotor bearing system using response surface method. *European Journal of Mechanics, A/Solids*, **2009**, 28, 841-857	3.7	28
47	Flaw detection in radiographic weldment images using morphological watershed segmentation technique. *NDT and E International*, **2009**, 42, 2-8	4.1	49
46	Characterization of the refractory coating material used in vacuum assisted evaporative pattern casting process. *Journal of Materials Processing Technology*, **2009**, 209, 2699-2706	5.3	8
45	Maintenance criticality analysis using TOPSIS **2009**,		3
44	Integrated model for selection of third party service providers by global lead logistics providers. *International Journal of Business Performance and Supply Chain Modelling*, **2009**, 1, 187	0.6	8
43	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
42	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
41	A goal programming model for paper recycling system. *Omega*, **2008**, 36, 405-417	7.2	219
40	Availability modeling of screening system of a paper plant using GSPN. *Journal of Modelling in Management*, **2008**, 3, 26-39	2.2	9
39	Fuzzy modeling of system behavior for risk and reliability analysis. *International Journal of Systems Science*, **2008**, 39, 563-581	2.3	59
38	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
37	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
36	Multicharacteristic optimisation of CNC turned parts using principal component analysis. *International Journal of Machining and Machinability of Materials*, **2008**, 3, 208	0.7	10

35	Decision support model for evaluation and selection of Third Party Logistics service providers. *International Journal of Logistics Systems and Management*, **2008**, 4, 255	0.7	8
34	Reliability analysis of pulping system using Petri nets. *International Journal of Quality and Reliability Management*, **2008**, 25, 860-877	2	18
33	Experimental Studies on Mechanism of Material Removal in Abrasive Flow Machining Process. *Materials and Manufacturing Processes*, **2008**, 23, 714-718	4.1	33
32	Density Optimization of Slurry of Coating Material Used in the EPC Process Through Taguchi's Parameter Design Approach. *Materials and Manufacturing Processes*, **2008**, 23, 719-725	4.1	7
31	Modelling of machining parameters and cooling conditions in hard turning of AISI p-20 tool steel using response surface methodology and desirability graphs. *International Journal of Machining and Machinability of Materials*, **2008**, 4, 95	0.7	3
30	A methodology to determine maintenance criticality using AHP. *International Journal of Productivity and Quality Management*, **2008**, 3, 396	0.3	12
29	Application of fuzzy methodology to build process reliability: a practical case. *International Journal of Product Development*, **2008**, 5, 125	0.7	7
28	Effect of process parameters on impact strength of Al-7% Si alloy castings produced by VAEPC process. *International Journal of Advanced Manufacturing Technology*, **2008**, 38, 586-593	3.2	10
27	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
26	Numerical simulation of powder mixed electric discharge machining (PMEDM) using finite element method. *Mathematical and Computer Modelling*, **2008**, 47, 1217-1237		124
25	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
24	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
23	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
22	Predicting uncertain behavior of industrial system using FM—A practical case. *Applied Soft Computing Journal*, **2008**, 8, 96-109	7.5	41
21	Planning and optimizing the maintenance of paper production systems in a paper plant. *Computers and Industrial Engineering*, **2008**, 55, 817-829	6.4	32
20	Modeling system behavior for risk and reliability analysis using KBARM. *Quality and Reliability Engineering International*, **2007**, 23, 973-998	2.6	28
19	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
18	Quality costing in process industries through QCAS: a practical case. *International Journal of Production Research*, **2007**, 45, 3381-3403	7.8	19

17	Effect of Process Parameters on the Solidification Time of Al-7%Si Alloy Castings Produced by VAEPC Process. *Materials and Manufacturing Processes*, **2007**, 22, 879-886	4.1	20
16	Selection of potential 3PL services providers using TOPSIS with interval data **2007**,		8
15	Optimizing feed force for turned parts through the Taguchi technique. *Sadhana - Academy Proceedings in Engineering Sciences*, **2006**, 31, 671-681	1	23
14	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
13	Optimization of process parameters for ultrasonic drilling of advanced engineering ceramics using the Taguchi approach. *Engineering Optimization*, **2006**, 38, 771-787	2	27
12	C-22 OPTIMIZATION OF INJECTION PARAMETERS FOR MAKING WAX PATTERNS TO BE USED IN CERAMIC SHELL INVESTMENT CASTING(Session: Cutting). *The Proceedings of the Asian Symposium on Materials and Processing*, **2006**, 2006, 69		3
11	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		
10	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
9	Product Quality Optimization Using Fuzzy Set Concepts: A Case Study. *Quality Engineering*, **2002**, 15, 1-8	1.4	7
8	Quality optimization (multi-characteristics) through Taguchi's technique and utility concept. *Quality and Reliability Engineering International*, **2000**, 16, 475-485	2.6	104
7	Effect of Flyash Addition on the Quality of Al-11%Si Alloy Castings Produced by V-Process. *Journal of Manufacturing Science and Engineering, Transactions of the ASME*, **1998**, 120, 722-727	3.3	1
6	A Fuzzy AHP Model for 3PL Selection in Lead Logistics Provider Scenarios261-277		2
5	Application of Taguchi Method in the Optimization of Process Parameters for Conicity of Holes in Ultrasonic Drilling of Engineering Ceramics167-178		
4	Simulation of Material Removal Rate in Ultrasonic Drilling Process Using Finite Element Analysis and Taguchi Method179-190		
3	Investigations on the fabrication of a patterned tool by chemical etching. *Materials and Manufacturing Processes*,1-13	4.1	5
2	Investigating the Performance of the Rotary Tool Near-Dry Electrical Discharge Machining Process through Debris Analysis. *Journal of Materials Engineering and Performance*,1	1.6	1
1	Investigation of hole roundness-error using different electrolytes in STED process. *Materials and Manufacturing Processes*,1-17	4.1	2