

# Pradeep Kumar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140  
papers

4,985  
citations

41  
h-index

64  
g-index

141  
ext. papers

5,860  
ext. citations

3.2  
avg. IF

6.35  
L-index

#	Paper	IF	Citations
140	An integrated literature review on sustainable food supply chains: Exploring research themes and future directions.. <i>Science of the Total Environment</i> , <b>2022</b> , 153411	10.2	2
139	Investigating Enablers to Improve Transparency in Sustainable Food Supply Chain Using F-BWM. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 567-575	0.4	
138	Assessing the performance of STED process for fabricating high aspect ratio holes on Inconel 718 alloy. <i>Materials and Manufacturing Processes</i> , <b>2021</b> , 36, 677-692	4.1	3
137	Research trends in abrasive flow machining: A systematic review. <i>Journal of Manufacturing Processes</i> , <b>2021</b> , 64, 1434-1461	5	14
136	Mitigate risks in perishable food supply chains: Learning from COVID-19. <i>Technological Forecasting and Social Change</i> , <b>2021</b> , 166, 120643	9.5	41
135	Development and characterization of xanthan gum-based abrasive media and performance analysis using abrasive flow machining. <i>Journal of Manufacturing Processes</i> , <b>2021</b> , 67, 101-115	5	5
134	On near-dry wire ECDM of Al6063/SiC/10p MMC. <i>Materials and Manufacturing Processes</i> , <b>2021</b> , 36, 122-134	4.1	19
133	Evaluation of the Surface Integrity of Titanium Nitride Coating Deposited on the NiTi Substrate Through the Near-Dry Electrical Discharge Surface Coating Process. <i>Minerals, Metals and Materials Series</i> , <b>2021</b> , 421-429	0.3	
132	Barriers in adoption of additive manufacturing in medical sector supply chain. <i>Journal of Advances in Management Research</i> , <b>2021</b> , ahead-of-print,	2.2	4
131	Experimental investigations into abrasive flow machining (AFM) of 3D printed ABS and PLA parts. <i>Rapid Prototyping Journal</i> , <b>2021</b> , ahead-of-print,	3.8	3
130	Performance enhancement of rotary tool near-dry EDM process through tool modification. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2021</b> , 43, 1	2	6
129	EDM of high aspect ratio micro-holes on Ti-6Al-4V alloy by synchronizing energy interactions. <i>Materials and Manufacturing Processes</i> , <b>2020</b> , 35, 1188-1203	4.1	25
128	Challenges in perishable food supply chains for sustainability management: A developing economy perspective. <i>Business Strategy and the Environment</i> , <b>2020</b> , 29, 1809-1831	8.6	34
127	Investigation on the Effect of Input Parameters on Surface Quality During Rotary Tool Near-Dry EDM. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , <b>2020</b> , 41-47	0.3	4
126	Experimental Investigation on Surface Morphology of Micro-EDMed Ti-6Al-4 V Alloy. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , <b>2020</b> , 69-74	0.3	6
125	Innovations in electro chemical discharge machining process through electrolyte stirring and tool rotations. <i>International Journal of Machining and Machinability of Materials</i> , <b>2020</b> , 22, 487	0.7	2
124	Effect of tool rotation in near-dry EDM process on machining characteristics of HSS. <i>Materials and Manufacturing Processes</i> , <b>2019</b> , 34, 779-790	4.1	45

123	On Improvement in Surface Integrity of $\mu$ -EDMed Ti $\beta$ Al $\alpha$ V Alloy by $\mu$ -ECM Process. <i>Minerals, Metals and Materials Series</i> , <b>2019</b> , 745-753	0.3	7
122	Role of Heat Treatment on Grain Refinement and Microhardness of 9Cr $\mu$ Mo $\mu$ Nb Steel. <i>Metallography, Microstructure, and Analysis</i> , <b>2019</b> , 8, 472-478	1.1	2
121	Performance enhancement of rotary tool near-dry EDM of HSS by supplying oxygen gas in the dielectric medium. <i>Materials and Manufacturing Processes</i> , <b>2019</b> , 34, 1832-1846	4.1	27
120	Burr Minimization in Drilling of Al6061/SiCp Metal Matrix Composite. <i>Applied Mechanics and Materials</i> , <b>2019</b> , 895, 206-211	0.3	
119	Fracture behaviour of crept P91 welded sample for different post weld heat treatments condition. <i>Engineering Failure Analysis</i> , <b>2019</b> , 95, 18-29	3.2	16
118	Effect of post weld heat treatments on microstructure evolution and type IV cracking behavior of the P91 steel welds joint. <i>Journal of Materials Processing Technology</i> , <b>2019</b> , 266, 140-154	5.3	42
117	Characterisation of dissimilar P91 and P92 steel welds joint. <i>Materials at High Temperatures</i> , <b>2019</b> , 36, 275-284	1.1	5
116	Study on effect of double austenitization treatment on fracture morphology tensile tested nuclear grade P92 steel. <i>Engineering Failure Analysis</i> , <b>2019</b> , 96, 158-167	3.2	34
115	Softening mechanism of P91 steel weldments using heat treatments. <i>Archives of Civil and Mechanical Engineering</i> , <b>2019</b> , 19, 297-310	3.4	44
114	Role of evolving microstructure on the mechanical behaviour of P92 steel welded joint in as-welded and post weld heat treated state. <i>Journal of Materials Processing Technology</i> , <b>2019</b> , 263, 241-255	5.3	58
113	Some studies on P91 steel and their weldments. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 743, 332-364	5.7	116
112	Autogenous Tungsten Inert Gas and Gas Tungsten Arc With Filler Welding of Dissimilar P91 and P92 Steels. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , <b>2018</b> , 140,	1.2	14
111	Assessment of CSR based supply chain performance system using an integrated fuzzy AHP-TOPSIS approach. <i>International Journal of Logistics Research and Applications</i> , <b>2018</b> , 21, 378-406	3.8	31
110	A brief study on Ferrite evolution in dissimilar P91 and P92 steel weld joint and their effect on mechanical properties. <i>Archives of Civil and Mechanical Engineering</i> , <b>2018</b> , 18, 713-722	3.4	41
109	A comparative study of transverse shrinkage stresses and residual stresses in P91 welded pipe including plasticity error. <i>Archives of Civil and Mechanical Engineering</i> , <b>2018</b> , 18, 1000-1011	3.4	19
108	Effect of strain rate and notch geometry on tensile properties and fracture mechanism of creep strength enhanced ferritic P91 steel. <i>Journal of Nuclear Materials</i> , <b>2018</b> , 498, 176-186	3.3	35
107	Effect of post weld heat treatments on fracture frontier and type IV cracking nature of the crept P91 welded sample. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 731, 249-265	5.3	29
106	Effect of Weld Consumable Conditioning on the Diffusible Hydrogen and Subsequent Residual Stress and Flexural Strength of Multipass Welded P91 Steels. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 2881-2895	2.5	38

105	Dissimilar joining of CSEF steels using autogenous tungsten-inert gas welding and gas tungsten arc welding and their effect on Ferrite evolution and mechanical properties. <i>Journal of Manufacturing Processes</i> , <b>2018</b> , 31, 247-259	5	41
104	Comparative study of autogenous tungsten inert gas welding and tungsten arc welding with filler wire for dissimilar P91 and P92 steel weld joint. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 712, 720-737	5.3	48
103	Quantitative assessment of mutual relationship of issues experienced in greening supply chain using ISM-fuzzy MICMAC approach. <i>International Journal of Logistics Systems and Management</i> , <b>2018</b> , 30, 162	0.7	5
102	Effect of welding process and PWHT on Ferrite evolution in dissimilar P91 and P92 steel joint. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 17080-17088	1.4	1
101	Response of natural fiber reinforced polymer composites when subjected to various environments. <i>International Journal of Plastics Technology</i> , <b>2018</b> , 22, 56-72	2.7	11
100	Effect of normalization and tempering on microstructure and mechanical properties of V-groove and narrow-groove P91 pipe weldments. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 685, 39-49	5.3	54
99	Investigations on Rotary Tool Near-Dry Electric Discharge Machining. <i>Minerals, Metals and Materials Series</i> , <b>2017</b> , 327-334	0.3	11
98	Microstructure-based assessment of creep rupture behaviour of cast-forged P91 steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 695, 291-301	5.3	47
97	Effect of creep phenomena on room-temperature tensile properties of cast & forged P91 steel. <i>Engineering Failure Analysis</i> , <b>2017</b> , 79, 385-396	3.2	22
96	Galvanic Corrosion Behavior of Microwave Welded and Post-weld Heat-Treated Inconel-718 Joints. <i>Journal of Materials Engineering and Performance</i> , <b>2017</b> , 26, 2322-2330	1.6	9
95	Diffusible Hydrogen Level in Deposited Metal and Their Effect on Tensile Properties and Flexural Strength of P91 Steel. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , <b>2017</b> , 139,	1.8	28
94	Microstructure characterization and charpy toughness of P91 weldment for as-welded, post-weld heat treatment and normalizing & tempering heat treatment. <i>Metals and Materials International</i> , <b>2017</b> , 23, 900-914	2.4	41
93	A comparative study of ductile-brittle transition behavior and fractography of P91 and P92 steel. <i>Engineering Failure Analysis</i> , <b>2017</b> , 81, 245-253	3.2	26
92	Microstructure and mechanical property relationship for different heat treatment and hydrogen level in multi-pass welded P91 steel joint. <i>Journal of Manufacturing Processes</i> , <b>2017</b> , 28, 220-234	5	65
91	Microstructure and transverse shrinkage stress analysis in GTA welds of P91 steel pipe. <i>International Journal of Steel Structures</i> , <b>2017</b> , 17, 763-774	1.3	11
90	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. <i>Engineering Failure Analysis</i> , <b>2017</b> , 71, 131-147	3.2	99
89	Modelling and analysis of barriers for supply chain performance measurement system. <i>International Journal of Operational Research</i> , <b>2017</b> , 28, 392	0.9	5
88	Hydrogen induced cold cracking of creep resistant ferritic P91 steel for different diffusible hydrogen levels in deposited metal. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 17695-17712	6.7	58

87	Mechanical Behavior of Nettle/Wool Fabric Reinforced Polyethylene Composites. <i>Journal of Natural Fibers</i> , <b>2016</b> , 13, 610-618	1.8	13
86	A fuzzy DEMATEL-based approach for evaluation of risks in green initiatives in supply chain. <i>International Journal of Logistics Systems and Management</i> , <b>2016</b> , 24, 226	0.7	9
85	Effect of Pulse Duration on Quality Characteristics of Blind Hole Drilled in Glass by ECDM. <i>Materials and Manufacturing Processes</i> , <b>2016</b> , 31, 1740-1748	4.1	59
84	An integrated methodology of FTA and fuzzy AHP for risk assessment in green supply chain. <i>International Journal of Operational Research</i> , <b>2016</b> , 25, 77	0.9	46
83	A combined approach using AHP and DEMATEL for evaluating success factors in implementation of green supply chain management in Indian manufacturing industries. <i>International Journal of Logistics Research and Applications</i> , <b>2016</b> , 19, 537-561	3.8	105
82	Effect on crystalline structure of AISI M2 steel using tungsten thorium electrode through MRR, EWR, and surface finish. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2016</b> , 90, 74-84	4.6	12
81	A photoelasticity approach for characterization of defects in microwave drilling of soda lime glass. <i>Journal of Materials Processing Technology</i> , <b>2015</b> , 225, 151-161	5.3	19
80	Prioritizing the responses to manage risks in green supply chain: An Indian plastic manufacturer perspective. <i>Sustainable Production and Consumption</i> , <b>2015</b> , 1, 67-86	8.2	60
79	Experimental investigations into ultrasonic-assisted abrasive flow machining (UAAF) process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2015</b> , 80, 477-493	3.2	17
78	Evaluating factors in implementation of successful green supply chain management using DEMATEL: A case study. <i>International Strategic Management Review</i> , <b>2015</b> , 3, 96-109		96
77	Flexible Decision Modeling for Evaluating the Risks in Green Supply Chain Using Fuzzy AHP and IRP Methodologies. <i>Global Journal of Flexible Systems Management</i> , <b>2015</b> , 16, 19-35	5.9	59
76	On ultrasonic assisted abrasive flow finishing of bevel gears. <i>International Journal of Machine Tools and Manufacture</i> , <b>2015</b> , 89, 29-38	9.4	51
75	Influence of pre-weld temper conditions of base metal on microstructure and mechanical properties of friction stir weld joints of AlZnMg alloy AA7039. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 620, 107-119	5.3	24
74	Analysis of interactions among the drivers of green supply chain management. <i>International Journal of Business Performance and Supply Chain Modelling</i> , <b>2015</b> , 7, 92	0.6	33
73	Analyzing CSR issues for supply chain performance system using preference rating approach. <i>Journal of Manufacturing Technology Management</i> , <b>2015</b> , 26, 830-852	7.1	11
72	Assessing CSR practices for supply chain performance system using fuzzy DEMATEL approach. <i>International Journal of Logistics Systems and Management</i> , <b>2015</b> , 22, 77	0.7	8
71	On Crack Control Strategy in Near-Field Microwave Drilling of Soda Lime Glass Using Precursors. <i>Journal of Thermal Science and Engineering Applications</i> , <b>2015</b> , 7,	1.9	14
70	Risk analysis in green supply chain using fuzzy AHP approach: A case study. <i>Resources, Conservation and Recycling</i> , <b>2015</b> , 104, 375-390	11.9	257

69	Assessment of Critical Enablers for Flexible Supply Chain Performance Measurement System Using Fuzzy DEMATEL Approach. <i>Global Journal of Flexible Systems Management</i> , <b>2015</b> , 16, 115-132	5.9	34
68	Flexible Decision Approach for Analysing Performance of Sustainable Supply Chains Under Risks/Uncertainty. <i>Global Journal of Flexible Systems Management</i> , <b>2014</b> , 15, 113-130	5.9	129
67	A Flexible Decision Framework for Building Risk Mitigation Strategies in Green Supply Chain Using SAPϩAP and IRP Approaches. <i>Global Journal of Flexible Systems Management</i> , <b>2014</b> , 15, 203-218	5.9	59
66	Fatigue behavior of friction stir weld joints of AlϩnϩMg alloy AA7039 developed using base metal in different temper condition. <i>Materials &amp; Design</i> , <b>2014</b> , 64, 334-344		27
65	Analysing the importance rating of CSR challenges in order to improve the supply chain performance. <i>International Journal of Intercultural Information Management</i> , <b>2014</b> , 4, 34		2
64	Selecting alternatives for improvement in IT enabled supply chain performance. <i>International Journal of Procurement Management</i> , <b>2014</b> , 7, 168	0.6	9
63	Monte Carlo Simulation Based Approach to Manage Risks in Operational Networks in Green Supply Chain. <i>Procedia Engineering</i> , <b>2014</b> , 97, 2186-2194		19
62	Characterization of bulk stainless steel joints developed through microwave hybrid heating. <i>Materials Characterization</i> , <b>2014</b> , 91, 34-41	3.9	50
61	Heterogeneity of Microstructure and Mechanical Properties of Friction Stir Welded Joints of Al-Zn-Mg Alloy AA7039. <i>Procedia Engineering</i> , <b>2013</b> , 64, 1384-1394		8
60	Effect of post weld heat treatments on microstructure and mechanical properties of friction stir welded joints of AlϩnϩMg alloy AA7039. <i>Materials &amp; Design</i> , <b>2013</b> , 43, 134-143		90
59	Effect of welding parameters on microstructure and mechanical properties of friction stir welded joints of AA7039 aluminum alloy. <i>Materials &amp; Design</i> , <b>2012</b> , 36, 379-390		107
58	Decision and information interoperability for improving performance of product recovery systems. <i>Decision Support Systems</i> , <b>2012</b> , 53, 448-457	5.6	24
57	Influence of in-process cooling on tensile behaviour of friction stir welded joints of AA7039. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 556, 479-487	5.3	66
56	On Electro Discharge Machining of Inconel 718 with Hollow Tool. <i>Journal of Materials Engineering and Performance</i> , <b>2012</b> , 21, 882-891	1.6	63
55	Parametric Study while Microchanneling on Optical Glass Using Microcontroller Driven ECDM Process. <i>Advanced Materials Research</i> , <b>2012</b> , 585, 417-421	0.5	3
54	Joining of Mild Steel Plates Using Microwave Energy. <i>Advanced Materials Research</i> , <b>2012</b> , 585, 465-469	0.5	21
53	System dynamics investigation of information technology in small and medium enterprise supply chain. <i>Journal of Advances in Management Research</i> , <b>2012</b> , 9, 199-207	2.2	3
52	A Feasibility Study On Drilling Of Metals Through Microwave Heating. <i>I-managerϩ Journal on Mechanical Engineering</i> , <b>2012</b> , 2, 1-6	0.3	5

51	Some Studies on Performance of a Natural Polymer Media for Abrasive Flow Machining <b>2011</b> , 333-340		4
50	Investigation on microstructural and mechanical properties of microwave processed dissimilar joints. <i>Journal of Manufacturing Processes</i> , <b>2011</b> , 13, 141-146	5	81
49	A new approach to joining of bulk copper using microwave energy. <i>Materials &amp; Design</i> , <b>2011</b> , 32, 2685-2694		109
48	Recent Developments and Research Issues in Microultrasonic Machining. <i>ISRN Mechanical Engineering</i> , <b>2011</b> , 2011, 1-15		14
47	Analytical modeling of third party service provider selection in lead logistics provider environments. <i>Journal of Modelling in Management</i> , <b>2010</b> , 5, 275-286	2.2	34
46	Effect of EDM process parameters on surface quality of Al 6063 SiCp metal matrix composite. <i>International Journal of Materials and Product Technology</i> , <b>2010</b> , 39, 357	1	5
45	Experimental investigations to optimise step drill geometry for burr minimisation in drilling using regression model. <i>International Journal of Manufacturing Technology and Management</i> , <b>2010</b> , 21, 122	0.4	6
44	Selection of 3PL service providers: a combined approach of AHP and Graph theory. <i>International Journal of Services, Technology and Management</i> , <b>2009</b> , 12, 35	0.2	20
43	Framework for benchmarking logistics performance using fuzzy AHP. <i>International Journal of Business Performance and Supply Chain Modelling</i> , <b>2009</b> , 1, 82	0.6	16
42	Taguchi's optimization of process parameters for production accuracy in ultrasonic drilling of engineering ceramics. <i>Production Engineering</i> , <b>2009</b> , 3, 243-253	1.9	27
41	Behavioral and performance analysis of feeding system using stochastic reward nets. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2009</b> , 45, 156-169	3.2	11
40	Integrated model for selection of third party service providers by global lead logistics providers. <i>International Journal of Business Performance and Supply Chain Modelling</i> , <b>2009</b> , 1, 187	0.6	8
39	Selection of Logistics Services Provider (LSP) under fuzzy environment: a graph-theoretic and matrix approach. <i>International Journal of Logistics Systems and Management</i> , <b>2009</b> , 5, 551	0.7	13
38	A goal programming model for paper recycling system. <i>Omega</i> , <b>2008</b> , 36, 405-417	7.2	219
37	Fuzzy modeling of system behavior for risk and reliability analysis. <i>International Journal of Systems Science</i> , <b>2008</b> , 39, 563-581	2.3	59
36	An integrated model to identify and classify the key criteria and their role in the assessment of 3PL services providers. <i>Asia Pacific Journal of Marketing and Logistics</i> , <b>2008</b> , 20, 227-249	3.2	97
35	Experimental investigation and optimisation in EDM of Al 6063 SiCp metal matrix composite. <i>International Journal of Machining and Machinability of Materials</i> , <b>2008</b> , 3, 293	0.7	31
34	Experimental Studies on Mechanism of Material Removal in Abrasive Flow Machining Process. <i>Materials and Manufacturing Processes</i> , <b>2008</b> , 23, 714-718	4.1	33

33	Density Optimization of Slurry of Coating Material Used in the EPC Process Through Taguchi's Parameter Design Approach. <i>Materials and Manufacturing Processes</i> , <b>2008</b> , 23, 719-725	4.1	7
32	Effect of Slurry Composition on Plate Weight in Ceramic Shell Investment Casting. <i>Journal of Materials Engineering and Performance</i> , <b>2008</b> , 17, 489-498	1.6	24
31	Optimization of tensile properties of evaporative pattern casting process through Taguchi's method. <i>Journal of Materials Processing Technology</i> , <b>2008</b> , 204, 59-69	5.3	56
30	Optimization of multiple quality characteristics for CNC turning under cryogenic cutting environment using desirability function. <i>Journal of Materials Processing Technology</i> , <b>2008</b> , 205, 42-50	5.3	104
29	Predicting uncertain behavior of industrial system using FMA practical case. <i>Applied Soft Computing Journal</i> , <b>2008</b> , 8, 96-109	7.5	41
28	A framework to implement QCS through process cost modeling. <i>The TQM Journal</i> , <b>2007</b> , 19, 18-36		19
27	Effect of evaporative pattern casting process parameters on the surface roughness of Al7% Si alloy castings. <i>Journal of Materials Processing Technology</i> , <b>2007</b> , 182, 615-623	5.3	68
26	Modeling system behavior for risk and reliability analysis using KBARM. <i>Quality and Reliability Engineering International</i> , <b>2007</b> , 23, 973-998	2.6	28
25	Modeling the logistics outsourcing relationship variables to enhance shippers' productivity and competitiveness in logistical supply chain. <i>International Journal of Productivity and Performance Management</i> , <b>2007</b> , 56, 689-714	2.3	94
24	Quality costing in process industries through QCAS: a practical case. <i>International Journal of Production Research</i> , <b>2007</b> , 45, 3381-3403	7.8	19
23	Effect of Process Parameters on the Solidification Time of Al-7%Si Alloy Castings Produced by VAEPCC Process. <i>Materials and Manufacturing Processes</i> , <b>2007</b> , 22, 879-886	4.1	20
22	Behaviour analysis and resource optimisation for an industrial system. <i>International Journal of Industrial and Systems Engineering</i> , <b>2007</b> , 2, 413	0.4	14
21	FMA pragmatic tool to model, analyse and predict complex behaviour of industrial systems. <i>Engineering Computations</i> , <b>2007</b> , 24, 319-346	1.4	16
20	Modeling and analysing system failure behaviour using RCA, FMEA and NHPPP models. <i>International Journal of Quality and Reliability Management</i> , <b>2007</b> , 24, 525-546	2	18
19	Parametric optimization of surface roughness castings produced by Evaporative Pattern Casting process. <i>Materials Letters</i> , <b>2006</b> , 60, 3048-3053	3.3	18
18	Optimizing multi-machining characteristics through Taguchi's approach and utility concept. <i>Journal of Manufacturing Technology Management</i> , <b>2006</b> , 17, 255-274	7.1	38
17	An experimental study of the machining parameters in powder mixed electric discharge machining of Al 10%SiCP metal matrix composites. <i>International Journal of Machining and Machinability of Materials</i> , <b>2006</b> , 1, 396	0.7	23
16	Manufacturing process optimisation for tool wear rate in ultrasonic drilling of engineering ceramics using the Taguchi method. <i>International Journal of Machining and Machinability of Materials</i> , <b>2006</b> , 1, 94	0.7	21

15	Parametric Optimization of Centrifugal Force-Assisted Abrasive Flow Machining (CFAAFM) by the Taguchi Method. <i>Materials and Manufacturing Processes</i> , <b>2006</b> , 21, 375-382	4.1	51
14	Manufacturing excellence through TPM implementation: a practical analysis. <i>Industrial Management and Data Systems</i> , <b>2006</b> , 106, 256-280	3.6	60
13	Optimization of process parameters for ultrasonic drilling of advanced engineering ceramics using the Taguchi approach. <i>Engineering Optimization</i> , <b>2006</b> , 38, 771-787	2	27
12	Optimisation of MRR in ultrasonic drilling (USD) based on Taguchi's robust design methodology. <i>International Journal of Machining and Machinability of Materials</i> , <b>2006</b> , 1, 445	0.7	5
11	Quality optimisation of surface finishing by magnetic field assisted abrasive flow machining through Taguchi technique. <i>International Journal of Computer Applications in Technology</i> , <b>2006</b> , 27, 31	0.7	6
10	FLM to select suitable maintenance strategy in process industries using MISO model. <i>Journal of Quality in Maintenance Engineering</i> , <b>2005</b> , 11, 359-374	1.1	96
9	Systematic failure mode effect analysis (FMEA) using fuzzy linguistic modelling. <i>International Journal of Quality and Reliability Management</i> , <b>2005</b> , 22, 986-1004	2	191
8	Parametric optimization of magnetic-field-assisted abrasive flow machining by the Taguchi method. <i>Quality and Reliability Engineering International</i> , <b>2002</b> , 18, 273-283	2.6	30
7	Quality optimization (multi-characteristics) through Taguchi's technique and utility concept. <i>Quality and Reliability Engineering International</i> , <b>2000</b> , 16, 475-485	2.6	104
6	Quality of v-process moulds through the taguchi technique. <i>Quality and Reliability Engineering International</i> , <b>1996</b> , 12, 421-427	2.6	25
5	Fabrication and characterization of Al6063/SiC composites using electromagnetic stir casting process. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 095440892110457	1.5	2
4	Application of Taguchi Method in the Optimization of Process Parameters for Conicity of Holes in Ultrasonic Drilling of Engineering Ceramics 167-178		
3	Investigations on the fabrication of a patterned tool by chemical etching. <i>Materials and Manufacturing Processes</i> , 1-13	4.1	5
2	Investigating the Performance of the Rotary Tool Near-Dry Electrical Discharge Machining Process through Debris Analysis. <i>Journal of Materials Engineering and Performance</i> , 1	1.6	1
1	Investigation of hole roundness-error using different electrolytes in STED process. <i>Materials and Manufacturing Processes</i> , 1-17	4.1	2