

S Sulaiman

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.

143
papers

1,262
citations

17
h-index

31
g-index

154
ext. papers

1,432
ext. citations

1.5
avg, IF

4.34
L-index

#	Paper	IF	Citations
143	Characterisation of elemental analysis, carbon sulphur analysis and impact test of stent manufacturing using medical grade ASTM F75 cobalt chromium (CoCrMo) by selective laser melting (SLM) technology. <i>Advances in Materials and Processing Technologies</i> , 2021 , 7, 200-215	0.8	1
142	Microstructural, thermal, electrical, and magnetic properties of optimized Fe ₃ O ₄ /SiC hybrid nano filler reinforced aluminium matrix composite. <i>Materials Chemistry and Physics</i> , 2021 , 258, 123895	4.4	8
141	Development of integrated supply chain system in manufacturing industry. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2021 , 21, 599-611	0.3	1
140	Virtual reality application with nano-display improves training of pipeline installation in oil and gas industry. <i>Materials Express</i> , 2021 , 11, 2024-2032	1.3	0
139	Effect of composite material distribution and shape on energy absorption systems. <i>Advances in Materials and Processing Technologies</i> , 2020 , 1-10	0.8	1
138	Studying parameters affecting the thinning rate during heat-assisted incremental sheet forming of the lightweight material. <i>Advances in Materials and Processing Technologies</i> , 2020 , 1-14	0.8	
137	Microstructural, Tribology and Corrosion Properties of Optimized FeO-SiC Reinforced Aluminum Matrix Hybrid Nano Filler Composite Fabricated through Powder Metallurgy Method. <i>Materials</i> , 2020 , 13,	3.5	2
136	Experimental and numerical study of high strain rate property of pure copper processed by ECAE method. <i>Advances in Materials and Processing Technologies</i> , 2019 , 5, 386-393	0.8	5
135	Man-Made Lake of Taman Pertanian, Kuantan: The Valuation of Water Quality and Nutrient Removal by Using Hydrilla Verticillata Sp. and Myriophyllum Aquaticum Sp. as Submerged Plant Species. <i>Materials Today: Proceedings</i> , 2019 , 19, 1552-1561	1.4	1
134	Effect of mould vibration on the mechanical properties of aluminium alloy castings. <i>Advances in Materials and Processing Technologies</i> , 2018 , 4, 335-343	0.8	2
133	Physical Properties of Novel Kenaf Short Fiber Reinforced Bulk Molding Compounds (BMC) For Compression Moulding. <i>Materials Today: Proceedings</i> , 2018 , 5, 1226-1232	1.4	11
132	Corrosion characterization of in-situ titanium diboride (TiB ₂) reinforced aluminium-copper (Al-Cu) alloy by two methods: Salts spray fog and linear polarization resistance (LPR) 2018 ,		1
131	Metal Matrix Composites for Automotive Components in Depth Case Study: Development of Automotive Brake Disc 2018 , 540-556		0
130	Effect of Modifier on Mechanical Properties of Aluminium Silicon Carbide (Al-SiC) Composites. <i>Procedia Engineering</i> , 2017 , 184, 773-777		21
129	Numerical simulation on friction drilling of aluminum alloy. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017 , 48, 241-248	0.9	13
128	Solidification Analysis in Permanent Mould Casting of Aluminium Alloy LM6 Reinforced Titanium Carbide Particulates Metal Matrix Composites. <i>Materials Science Forum</i> , 2017 , 889, 148-151	0.4	5
127	Multi-Objective Optimization of Friction Stir Welding Process Parameters of AA6061-T6 and AA7075-T6 Using a Biogeography Based Optimization Algorithm. <i>Materials</i> , 2017 , 10,	3.5	15

126	Effect on the Mechanical Properties of Ship Propeller with Vibration Mold Castings. <i>Advanced Science Letters</i> , 2017 , 23, 4378-4382	0.1	0
125	Characterization of mechanical properties of Al-6063 deformed by ECAE. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 663-672	3.2	11
124	Mechanical and Microstructure Characterization of Aluminium-Copper (Al-Cu) Reinforced with In Situ Titanium Diboride (TiB ₂). <i>Key Engineering Materials</i> , 2016 , 673, 117-125	0.4	4
123	Metal Matrix Composite Products by Vibration Casting Method 2016 ,		6
122	Integration of phytogreen for heavy metal removal from wastewater. <i>Journal of Cleaner Production</i> , 2016 , 112, 3124-3131	10.3	36
121	Application of Nonlinear Thermal Expansion Model for Casted Aluminium Silicon Carbide 2016 ,		
120	Optimization and numerical simulation analysis for molded thin-walled parts fabricated using wood-filled polypropylene composites via plastic injection molding. <i>Polymer Engineering and Science</i> , 2015 , 55, 1082-1095	2.3	13
119	Effect of equal channel angular extrusion on Al-6063 bending fatigue characteristics. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015 , 22, 395-404	3.1	8
118	Processability of Wood Fibre-Filled Thermoplastic Composite Thin-Walled Parts Using Injection Moulding 2015 , 351-367		1
117	Wear Properties of Metal Matrix Composite Al-Cu and Al-Cu-TiB ₂ . <i>Materials Science Forum</i> , 2015 , 819, 268-273	0.4	2
116	Modelling and Simulation of Hollow Profile Aluminum Extruded Product. <i>Applied Mechanics and Materials</i> , 2015 , 761, 17-21	0.3	
115	Numerical Simulation Analysis of Unfilled and Filled Reinforced Polypropylene on Thin-Walled Parts Formed Using the Injection-Moulding Process. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-8	2.4	2
114	Mechanical properties of novel kenaf short fiber reinforced bulk molding compounds (BMC). <i>Advances in Materials and Processing Technologies</i> , 2015 , 1, 49-55	0.8	5
113	Process parameters for cylindrical deep drawing components. <i>Advances in Materials and Processing Technologies</i> , 2015 , 1, 542-548	0.8	1
112	ANALYSIS OF A METAL MATRIX COMPOSITES AUTOMOTIVE COMPONENT. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2531-2540	1.4	5
111	Numerical simulation analysis of the in-cavity residual stress distribution of lignocellulosic (wood) polymer composites used in shallow thin-walled parts formed by the injection moulding process. <i>Materials & Design</i> , 2014 , 55, 381-386		18
110	Effect of Machining Process on Surface Microhardness of Titanium Carbide Reinforced Aluminium LM6 Composite. <i>Applied Mechanics and Materials</i> , 2014 , 564, 495-500	0.3	1
109	Finite element and metallurgical study of properties of deformed pure copper by ECAE at various strain rates. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014 , 228, 1461-1473	1.3	2

108	Finite Element Analysis of Aluminum-Kevlar/Epoxy Pressure Vessel. <i>Advanced Materials Research</i> , 2014 , 903, 27-32	0.5	
107	Improvements in the microstructure and fatigue behavior of pure copper using equal channel angular extrusion. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014 , 21, 569-576	3.1	3
106	Integrated TRIZ-AHP Support System for Conceptual Design. <i>Applied Mechanics and Materials</i> , 2014 , 548-549, 1998-2002	0.3	6
105	Casting quality model for casted aluminium silicon carbide based on non-linear thermal expansion. <i>International Journal of Materials and Product Technology</i> , 2014 , 48, 217	1	
104	Optimum Speed of Friction Stir Welding on 304L Stainless Steel by Finite Element Method 2014 , 227-236		6
103	Effects of Rotary Mower Blade Cutting Angles on the Pulverization of Sweet Potato Vine. <i>Agriculture and Agricultural Science Procedia</i> , 2014 , 2, 95-101		2
102	Finite Element Modeling of the Effect of Tool Rake Angle on Cutting Force and Tool Temperature during High Speed Machining of AISI 1045 Steel. <i>Advanced Materials Research</i> , 2014 , 939, 194-200	0.5	1
101	Finite Element Study of Deformation Behaviour of Al-6063 Alloy Developed by Equal Channel Angular Extrusion. <i>Advanced Materials Research</i> , 2014 , 1043, 119-123	0.5	1
100	Effect of Cutting Parameters on Tool-Chip Interface Temperature in an Orthogonal Turning Process. <i>Advanced Materials Research</i> , 2014 , 903, 21-26	0.5	9
99	Evaluation of Combined Treatments of Natural Fibers: Kenaf, Abaca and Oil Palm Fibers Using Micromechanical and SEM Methods. <i>Advanced Materials Research</i> , 2014 , 912-914, 1932-1939	0.5	5
98	Effects of PVA-PEG Binders System on Microstructure and Properties of Sintered Alumina. <i>Applied Mechanics and Materials</i> , 2014 , 564, 355-360	0.3	3
97	Determining Optimum Electro Discharge Machining Parameters for Drilling of a Small Hole by Utilizing Taguchi Method. <i>Applied Mechanics and Materials</i> , 2014 , 564, 481-487	0.3	4
96	Investigation on Microstructure and Mechanical Properties of Squeeze Cast Al-Si Alloys by Numerical Simulation. <i>Advanced Materials Research</i> , 2014 , 1043, 31-35	0.5	
95	Experimental Study of Impact Strength of Al-6063 Alloy Processed by Equal Channel Angular Extrusion. <i>Advanced Materials Research</i> , 2014 , 911, 158-162	0.5	1
94	Stress analysis of forward aluminium extrusion process using finite element method. <i>Materials Research Innovations</i> , 2014 , 18, S2-611-S2-615	1.9	2
93	Development of Microstructure and Fracture Toughness of AL-6063 Alloy Using Equal Channel Angular Extrusion. <i>Applied Mechanics and Materials</i> , 2014 , 564, 488-494	0.3	1
92	Studies on Tensile Properties of Titanium Carbide (TiC) Particulates Composites. <i>Advanced Materials Research</i> , 2014 , 903, 151-156	0.5	6
91	Direct Investment Casting Numerical Study for ABS P400 FDM Materials. <i>Applied Mechanics and Materials</i> , 2014 , 660, 99-103	0.3	1

90	The Impact of Information Technology Investment on Supply Chain Capabilities: A Review. <i>Applied Mechanics and Materials</i> , 2014 , 564, 723-726	0.3	
89	Problems Evaluation for TRIZ Method Using AHP: Case Study on Car Dashboard Improvement Design Concepts. <i>Applied Mechanics and Materials</i> , 2014 , 564, 89-93	0.3	
88	Microhardness Characteristics of Al-6063 Alloy Processed by Equal Channel Angular Extrusion. <i>Applied Mechanics and Materials</i> , 2014 , 564, 513-518	0.3	1
87	Effect of TiC Particulates on the Microstructure and Mechanical Properties of Aluminium-Based Metal Matrix Composite. <i>Advanced Materials Research</i> , 2014 , 903, 145-150	0.5	2
86	Modeling and Simulation of Forward Al Extrusion Process Using FEM. <i>Applied Mechanics and Materials</i> , 2014 , 564, 525-532	0.3	
85	Temperature Distribution of Micro Milling Process due to Uncut Chip Thickness. <i>Advanced Materials Research</i> , 2014 , 939, 214-221	0.5	4
84	Numerical Simulation on Moulded Thin-Walled Parts via Injection Moulding Process. <i>Applied Mechanics and Materials</i> , 2014 , 575, 73-77	0.3	
83	Investigation of Plastic Injecting Moulding Process Optimization in Complex Shape Product. <i>Applied Mechanics and Materials</i> , 2014 , 695, 260-264	0.3	2
82	Managing Uncertainty in Supply Chain Management of Vessel Chartering in Oil & Gas Industry. <i>Applied Mechanics and Materials</i> , 2014 , 564, 694-699	0.3	1
81	Finite Element Analysis of Sheet Metal Formability Effect on Automotive Part. <i>Applied Mechanics and Materials</i> , 2014 , 660, 788-793	0.3	
80	An investigation of the processability of natural fibre reinforced polymer composites on shallow and flat thin-walled parts by injection moulding process. <i>Materials & Design</i> , 2013 , 50, 451-456		28
79	Effect of Cutting Parameters on Cutting Temperature of TiAl6V4 Alloy. <i>Applied Mechanics and Materials</i> , 2013 , 392, 68-72	0.3	10
78	Finite element analysis of filament-wound composite pressure vessel under internal pressure. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013 , 50, 012061	0.4	14
77	Thermal Expansion Model for Cast Aluminium Silicon Carbide. <i>Procedia Engineering</i> , 2013 , 68, 392-398		2
76	Pulverization of sweet potato vine at different mower speeds. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013 , 50, 012022	0.4	
75	Shrinkages and warpage in the processability of wood-filled polypropylene composite thin-walled parts formed by injection molding. <i>Materials & Design</i> , 2013 , 52, 1018-1026		64
74	Analysis of failure in manufacturing machinery. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013 , 50, 012057	0.4	
73	Influence of Pattern Coating Thickness on Porosity and Mechanical Properties of Lost Foam Casting of Al-Si (LM6) Alloy. <i>Applied Mechanics and Materials</i> , 2013 , 300-301, 1281-1284	0.3	

72	Effect of Boric Acid Mixture as Solid Lubricant towards Machining Processes. <i>Advanced Materials Research</i> , 2013 , 651, 372-377	0.5	
71	Finite Element Modeling and Simulation of Machining of Titanium Alloy and H13 Tool Steel Using PCBN Tool. <i>Applied Mechanics and Materials</i> , 2013 , 392, 36-40	0.3	
70	Effects of Pulse Duration and Current on EDM Process of Allegheny Ludlum D2 Tool Steel. <i>Applied Mechanics and Materials</i> , 2013 , 315, 369-373	0.3	1
69	Effects of Knife Shapes and Cutting Speeds of a Mower on the Percentage Pulverization of Sweet Potato Vine. <i>Applied Mechanics and Materials</i> , 2013 , 421, 29-33	0.3	1
68	Surface Quality and Chip Formation in Turning of LM6 Aluminium Alloy and Particulate Reinforced Metal Matrix Composite. <i>Materials Science Forum</i> , 2013 , 773-774, 894-901	0.4	
67	Thermal Parameter Affects on the Part Built Using 3D Printer Projet SD 3000. <i>Materials Science Forum</i> , 2013 , 773-774, 833-841	0.4	
66	Recent developments of kenaf fibre reinforced thermoset composites: review. <i>Materials Research Innovations</i> , 2013 , 17, s2-s11	1.9	12
65	Mechanical Properties of Tin Tailing Sand-Clay Mixture from Batu Gajah, Perak, Malaysia for Making Greensand Casting Mould. <i>Materials Science Forum</i> , 2013 , 773-774, 211-217	0.4	2
64	Effects of Knife Shapes and Cutting Speeds of a Mower on the Power Consumption for Pulverizing Sweet Potato Vine. <i>Key Engineering Materials</i> , 2013 , 594-595, 1126-1130	0.4	1
63	New Technique for Conceptual Selection of Manufacturing Process and Material, Case Study: Metal Matrix Composite Component. <i>Advanced Materials Research</i> , 2013 , 789, 82-86	0.5	1
62	Experimental Investigation on Surface Roughness and Tool Wear in Dry Machining of TiC Reinforced Aluminium LM6 Composite. <i>Materials Science Forum</i> , 2013 , 773-774, 339-347	0.4	1
61	Optimization of Axial Rake Angle for Face Milling Using Taguchi Method and Finite Element Analysis. <i>Applied Mechanics and Materials</i> , 2013 , 465-466, 746-750	0.3	2
60	The Influence of Mechanical Mold Vibration on Temperature Distribution and Physical Properties of Al-11.8%Si Matrix Composites. <i>Materials Science Forum</i> , 2013 , 773-774, 195-202	0.4	
59	Failure Analysis of Aluminum Reinforced Composite Vessel. <i>Applied Mechanics and Materials</i> , 2013 , 392, 178-182	0.3	1
58	Optimization of Parameter for HSS Tool Wear by Using Taguchi Method and Finite Element Method. <i>Applied Mechanics and Materials</i> , 2013 , 315, 151-155	0.3	
57	Finite Element Modelling of the effect of tool rake angle on tool temperature and cutting force during high speed machining of AISI 4340 steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013 , 50, 012040	0.4	5
56	Effects of Cutting Speeds and Moisture Content on Grass Chopping (Pulverizing). <i>Advanced Science Letters</i> , 2013 , 19, 2533-2535	0.1	3
55	Development of an Educational Robotic Training Kit. <i>Advanced Science Letters</i> , 2013 , 19, 3304-3306	0.1	3

54	A New Concurrent Engineering [Multi Criteria Decision Making Technique for Conceptual Design Selection. <i>Applied Mechanics and Materials</i> , 2012 , 225, 293-298	0.3	6
53	Design and development of an Integrated Slasher (Pulverizer) for Sweet Potato Harvester: A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012007	0.4	4
52	Springback Behaviour in Sheet Metal Forming for Automotive Door. <i>AASRI Procedia</i> , 2012 , 3, 224-229		3
51	Effects of Feeding Angles and Cutting Speeds of a Mower Knife with Serrated Edges on the Pulverization of Sweet Potato Vines. <i>Advanced Materials Research</i> , 2012 , 626, 260-264	0.5	2
50	Design, development and performance of a disk plow combined with rotary blades. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012003	0.4	
49	Generic Framework for Conceptual Design Using Concurrent Engineering Strategy. A Case Study: Advanced Material Application Product Development of Metal Matrix Composite Component. <i>Advanced Materials Research</i> , 2012 , 626, 99-108	0.5	3
48	Effect of Mould Vibration on Mechanical Properties of Particulate Reinforced Aluminium Alloy Matrix Composite. <i>Advanced Materials Research</i> , 2012 , 445, 475-480	0.5	4
47	Testing for Green Compression Strength and Permeability Properties on the Tailing Sand Samples Gathered from Ex Tin Mines in Perak State, Malaysia. <i>Advanced Materials Research</i> , 2012 , 445, 859-864	0.5	4
46	Knowledge Management for Maintenance Activities in the Manufacturing Sector. <i>International Journal of Automotive and Mechanical Engineering</i> , 2012 , 5, 612-621	1.4	3
45	Improvement of Tops Spinning Manufacturing with CNC Lathe. <i>Procedia Engineering</i> , 2011 , 15, 3886-3890		4
44	Customer Knowledge Management Application in Malaysian Mobile Service Providers. <i>Procedia Engineering</i> , 2011 , 15, 3891-3895		11
43	The design process of a self-propelled floor crane. <i>Journal of Terramechanics</i> , 2011 , 48, 157-168	2.2	4
42	Thermal Investigation of Aluminium [1.8% Silicon (LM6) Reinforced SiO ₂ -Particles. <i>Advanced Materials Research</i> , 2011 , 264-265, 620-625	0.5	2
41	Design and Simulation on Cast Metal Matrix Composite by Investment Casting. <i>Advanced Materials Research</i> , 2011 , 264-265, 323-328	0.5	1
40	Design and Simulation on Compressor Metal Matrix Composite by Investment Casting. <i>Advanced Materials Research</i> , 2011 , 264-265, 403-408	0.5	2
39	Design and Simulation on Investment Casting Mold for Metal Matrix Composite Material. <i>Applied Mechanics and Materials</i> , 2011 , 66-68, 1676-1681	0.3	2
38	Metal Matrix Composites: Solidification Parameters of Aluminium-11.8% Silicon Alloy Reinforced with Titanium Carbide Particulates. <i>Key Engineering Materials</i> , 2011 , 471-472, 1081-1084	0.4	
37	Influence of Mechanical Vibration Moulding Process on the Tensile Properties of TiC Reinforced LM6 Alloy Composite Castings. <i>Applied Mechanics and Materials</i> , 2011 , 66-68, 1207-1212	0.3	2

36	Effect of Moisture Content on the Permeability of Tailing Sand Samples Gathered from Ex Tin Mines in Perak State Malaysia. <i>Applied Mechanics and Materials</i> , 2011 , 66-68, 1384-1389	0.3	1
35	Effect of Quartz-Silicon Dioxide Particulate on Tensile Properties of Aluminium Alloy Cast Composites. <i>Key Engineering Materials</i> , 2011 , 471-472, 727-732	0.4	2
34	The Influence of Mechanical Vibration Moulding Process on Thermal Conductivity and Diffusivity of Al-TiC Particulate Reinforced Composites. <i>Advanced Materials Research</i> , 2011 , 311-313, 3-8	0.5	1
33	Simulation of Thermoset Injection for Bulk Moulding Compounds (BMC). <i>Key Engineering Materials</i> , 2011 , 471-472, 1101-1106	0.4	
32	Mechanical Vibration Technique for Enhancing Mechanical Properties of Particulate Reinforced Aluminium Alloy Matrix Composite. <i>Key Engineering Materials</i> , 2011 , 471-472, 721-726	0.4	4
31	Optimization of Cutting Parameters on Turning Process Based on Surface Roughness Using Response Surface Methodology. <i>Applied Mechanics and Materials</i> , 2011 , 117-119, 1561-1565	0.3	1
30	Computer Simulation and Experimental Investigation of Solidification Casting Process. <i>Key Engineering Materials</i> , 2011 , 471-472, 601-605	0.4	2
29	Influence of Cutting Parameters on Surface Roughness for Wet and Dry Turning Process. <i>Key Engineering Materials</i> , 2011 , 471-472, 233-238	0.4	6
28	A tabu search approach for mixed-model parallel assembly line balancing problem (type II). <i>International Journal of Industrial and Systems Engineering</i> , 2011 , 8, 407	0.4	10
27	Coating Performance in High Speed Micro Machining of H13 Tool Steel. <i>Advanced Materials Research</i> , 2009 , 83-86, 985-992	0.5	1
26	Particular model for improving failure mode and effect analysis (FMEA) by using of overall equipment efficiency (OEE) 2008 ,		1
25	An experimental study for optimization of electrical discharge turning (EDT) process. <i>Journal of Materials Processing Technology</i> , 2008 , 204, 350-356	5.3	46
24	Mechanical properties of the as-cast quartz particulate reinforced LM6 alloy matrix composites. <i>Journal of Materials Processing Technology</i> , 2008 , 201, 731-735	5.3	39
23	Quasi-static axial and lateral crushing of radial corrugated composite tubes. <i>Thin-Walled Structures</i> , 2008 , 46, 320-332	4.7	97
22	The use of Taguchi method in the design of plastic injection mould for reducing warpage. <i>Journal of Materials Processing Technology</i> , 2007 , 182, 418-426	5.3	148
21	Infrared tomography: data distribution system and software development for real-time velocity measurement. <i>ISA Transactions</i> , 2007 , 46, 131-45	5.5	1
20	Advanced TEM specimen preparation methods for replication of P91 steel. <i>Materials Characterization</i> , 2006 , 56, 49-58	3.9	18
19	Design and thermal analysis of plastic injection mould. <i>Journal of Materials Processing Technology</i> , 2006 , 171, 259-267	5.3	59

18	Mould flow and component design analysis of polymeric based composite automotive clutch pedals. <i>Journal of Materials Processing Technology</i> , 2006 , 171, 358-365	5.3	24
17	Effect of geometry on the crushing behaviour of laminated corrugated composite tubes. <i>Journal of Materials Processing Technology</i> , 2006 , 172, 394-399	5.3	35
16	Numerical simulation of casting solidification in permanent metallic molds. <i>Journal of Materials Processing Technology</i> , 2006 , 178, 29-33	5.3	78
15	Fabrication of fiber reinforced metal matrix composites by squeeze casting technology. <i>Journal of Materials Processing Technology</i> , 2006 , 178, 34-38	5.3	64
14	Foundry quality control aspects and prospects to reduce scrap rework and rejection in metal casting manufacturing industries. <i>Journal of Materials Processing Technology</i> , 2006 , 178, 39-43	5.3	27
13	A study of the comparison of \square' and \square' ribbing in a composite pedal using mold flow analysis software. <i>Materials & Design</i> , 2005 , 26, 157-166		8
12	Grain refinement of LM6 AlSi alloy sand castings to enhance mechanical properties. <i>Journal of Materials Processing Technology</i> , 2005 , 162-163, 435-441	5.3	19
11	Modelling and experimental investigation of solidification process in sand casting. <i>Journal of Materials Processing Technology</i> , 2004 , 155-156, 1723-1726	5.3	13
10	Increasing competitiveness through advanced manufacturing technologies. <i>International Journal of Manufacturing Technology and Management</i> , 2003 , 5, 371	0.4	12
9	Development of a CAD/CAM system for the closed-die forging process. <i>Journal of Materials Processing Technology</i> , 2003 , 138, 436-442	5.3	16
8	Modeling of the thermal history of the sand casting process. <i>Journal of Materials Processing Technology</i> , 2001 , 113, 245-250	5.3	11
7	Finite element analysis on the effect of workpiece geometry on the quenching of ST50 steel. <i>Journal of Materials Processing Technology</i> , 2001 , 119, 354-360	5.3	17
6	Experimental investigation for metal-filling system of pressure diecasting process on a cold chamber machine. <i>Journal of Materials Processing Technology</i> , 2001 , 119, 268-272	5.3	4
5	Simulation of metal filling progress during the casting process. <i>Journal of Materials Processing Technology</i> , 2000 , 100, 224-229	5.3	8
4	Flow analysis along the runner and gating system of a casting process. <i>Journal of Materials Processing Technology</i> , 1997 , 63, 690-695	5.3	7
3	Fast upsetting of circular cylinders of aluminium metal matrix composites: Experimental results and numerical analysis. <i>Journal of Materials Processing Technology</i> , 1996 , 60, 723-727	5.3	2
2	A Network Technique for Metal Flow Analysis in the Filling System of Pressure Diecasting and its Experimental Verification on a Cold Chamber Machine. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 1992 , 206, 261-275	2.4	4
1	Rule-based feature extraction and recognition from STEP file		2

