

Shu Beng Tor

List of Publications by Year in descending order

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163
papers

9,336
citations

53660

45
h-index

45213

90
g-index

165
all docs

165
docs citations

165
times ranked

7757
citing authors

#	ARTICLE	IF	CITATIONS
1	A generalised hot cracking criterion for nickel-based superalloys additively manufactured by electron beam melting. <i>Additive Manufacturing</i> , 2021, 37, 101633.	1.7	11
2	Reducing hot tearing by grain boundary segregation engineering in additive manufacturing: example of an AlxCoCrFeNi high-entropy alloy. <i>Acta Materialia</i> , 2021, 204, 116505.	3.8	115
3	Nanometer-scale precipitations in a selective electron beam melted nickel-based superalloy. <i>Scripta Materialia</i> , 2021, 194, 113661.	2.6	9
4	Development of an Ultrastretchable Double-Network Hydrogel for Flexible Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12814-12823.	4.0	97
5	3D printing of metallic micro-gears for micro-fluidic applications. <i>Journal of Micromechanics and Molecular Physics</i> , 2021, 06, .	0.7	2
6	Microstructure and mechanical properties of (TiB+TiC)/Ti composites fabricated in situ via selective laser melting of Ti and B4C powders. <i>Additive Manufacturing</i> , 2020, 36, 101466.	1.7	46
7	Machine learning in additive manufacturing: State-of-the-art and perspectives. <i>Additive Manufacturing</i> , 2020, 36, 101538.	1.7	230
8	Recent Advances on High-Entropy Alloys for 3D Printing. <i>Advanced Materials</i> , 2020, 32, e1903855.	11.1	269
9	Fatigue behavior of ASTM A131 EH36 steel samples additively manufactured with selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 777, 139049.	2.6	8
10	Anisotropic microstructure and mechanical properties of additively manufactured Co-Cr-Mo alloy using selective electron beam melting for orthopedic implants. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 765, 138270.	2.6	49
11	Improving biotribological properties and corrosion resistance of CoCrMo alloy via a Cr-GLC nanocomposite film in simulated body fluids. <i>Surface and Coatings Technology</i> , 2019, 378, 124840.	2.2	19
12	Revealing competitive columnar grain growth behavior and periodic microstructural banding in additively manufactured Ti-6Al-4V parts by selective electron beam melting. <i>Materialia</i> , 2019, 7, 100365.	1.3	24
13	Revealing hot tearing mechanism for an additively manufactured high-entropy alloy via selective laser melting. <i>Scripta Materialia</i> , 2019, 168, 129-133.	2.6	109
14	Additive manufacturing of NiTi shape memory alloys using pre-mixed powders. <i>Journal of Materials Processing Technology</i> , 2019, 271, 152-161.	3.1	141
15	Improvement of densification and microstructure of ASTM A131 EH36 steel samples additively manufactured via selective laser melting with varying laser scanning speed and hatch spacing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 746, 300-313.	2.6	36
16	Morphological Box Classification Framework for supporting 3D scanner selection. <i>Virtual and Physical Prototyping</i> , 2018, 13, 211-221.	5.3	1
17	Simultaneously enhanced strength and ductility for 3D-printed stainless steel 316L by selective laser melting. <i>NPG Asia Materials</i> , 2018, 10, 127-136.	3.8	385
18	Process parameter optimization and mechanical properties for additively manufactured stainless steel 316L parts by selective electron beam melting. <i>Materials and Design</i> , 2018, 147, 157-166.	3.3	108

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19	Scanning optical microscopy for porosity quantification of additively manufactured components. <i>Additive Manufacturing</i> , 2018, 21, 350-358.	1.7	40
20	Carbide precipitation characteristics in additive manufacturing of Co-Cr-Mo alloy via selective electron beam melting. <i>Scripta Materialia</i> , 2018, 143, 117-121.	2.6	60
21	Modeling temperature and residual stress fields in selective laser melting. <i>International Journal of Mechanical Sciences</i> , 2018, 136, 24-35.	3.6	208
22	Anisotropy and heterogeneity of microstructure and mechanical properties in metal additive manufacturing: A critical review. <i>Materials and Design</i> , 2018, 139, 565-586.	3.3	913
23	Damage Boundary Detection of Partially Scanned Models. , 2018, , .		0
24	Tribological Properties of Three-Dimensionally Printed Ti-6Al-4V Material Via Electron Beam Melting Process Tested Against 100Cr6 Steel Without and With Hank's Solution. <i>Journal of Tribology</i> , 2018, 140, .	1.0	10
25	Tribochemical Characterization and Tribocorrosive Behavior of CoCrMo Alloys: A Review. <i>Materials</i> , 2018, 11, 30.	1.3	30
26	Metallic powder-bed based 3D printing of cellular scaffolds for orthopaedic implants: A state-of-the-art review on manufacturing, topological design, mechanical properties and biocompatibility. <i>Materials Science and Engineering C</i> , 2017, 76, 1328-1343.	3.8	381
27	Heat transfer and phase transition in the selective laser melting process. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 2408-2416.	2.5	66
28	Emerging 3D-Printed Electrochemical Energy Storage Devices: A Critical Review. <i>Advanced Energy Materials</i> , 2017, 7, 1700127.	10.2	300
29	Additive Manufacturing of Patient-Customizable Scaffolds for Tubular Tissues Using the Melt-Drawing Method. <i>Materials</i> , 2016, 9, 893.	1.3	13
30	Microstructure and Wear Properties of Electron Beam Melted Ti-6Al-4V Parts: A Comparison Study against As-Cast Form. <i>Metals</i> , 2016, 6, 284.	1.0	47
31	Hybrid micro scaffold-based 3D bioprinting of multi-cellular constructs with high compressive strength: A new biofabrication strategy. <i>Scientific Reports</i> , 2016, 6, 39140.	1.6	97
32	Memory phenomenon in a lanthanum based bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2016, 672, 131-136.	2.8	6
33	A study on frictional behavior of PMMA against FDTS coated silicon as a function of load, velocity and temperature. <i>Tribology International</i> , 2016, 102, 44-51.	3.0	9
34	Automated droplet measurement (ADM): an enhanced video processing software for rapid droplet measurements. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	1.0	35
35	Selective laser melting of stainless steel 316L with low porosity and high build rates. <i>Materials and Design</i> , 2016, 104, 197-204.	3.3	511
36	Geometry dependence of microstructure and microhardness for selective electron beam-melted Ti-6Al-4V parts. <i>Virtual and Physical Prototyping</i> , 2016, 11, 183-191.	5.3	44

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37	Revealing martensitic transformation and $\hat{\Gamma}/\hat{\Gamma}^2$ interface evolution in electron beam melting three-dimensional-printed Ti-6Al-4V. <i>Scientific Reports</i> , 2016, 6, 26039.	1.6	114
38	Spatial and geometrical-based characterization of microstructure and microhardness for an electron beam melted Ti-6Al-4V component. <i>Materials and Design</i> , 2016, 95, 287-295.	3.3	112
39	A review on the importance of surface coating of micro/nano-mold in micro/nano-molding processes. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 013002.	1.5	63
40	Mechanical and tribological properties of Zr-based bulk metallic glass for sports applications. <i>Materials and Design</i> , 2016, 92, 667-673.	3.3	34
41	Active droplet generation in microfluidics. <i>Lab on A Chip</i> , 2016, 16, 35-58.	3.1	199
42	Low temperature and deformation-free bonding of PMMA microfluidic devices with stable hydrophilicity via oxygen plasma treatment and PVA coating. <i>RSC Advances</i> , 2015, 5, 8377-8388.	1.7	53
43	Fabrication and microstructural characterisation of additive manufactured Ti-6Al-4V parts by electron beam melting. <i>Virtual and Physical Prototyping</i> , 2015, 10, 13-21.	5.3	70
44	An experimental and simulation study on build thickness dependent microstructure for electron beam melted Ti-6Al-4V. <i>Journal of Alloys and Compounds</i> , 2015, 646, 303-309.	2.8	105
45	Investigation on processing of ASTM A131 Eh36 high tensile strength steel using selective laser melting. <i>Virtual and Physical Prototyping</i> , 2015, 10, 187-193.	5.3	24
46	Graded microstructure and mechanical properties of additive manufactured Ti-6Al-4V via electron beam melting. <i>Acta Materialia</i> , 2015, 97, 1-16.	3.8	535
47	Tribological behavior of Zr-based bulk metallic glass sliding against polymer, ceramic, and metal materials. <i>Intermetallics</i> , 2015, 61, 1-8.	1.8	25
48	Acoustofluidic control of bubble size in microfluidic flow-focusing configuration. <i>Lab on A Chip</i> , 2015, 15, 996-999.	3.1	33
49	Rapid bonding enhancement by auxiliary ultrasonic actuation for the fabrication of cyclic olefin copolymer (COC) microfluidic devices. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 115020.	1.5	11
50	Effect of sputtering power on friction coefficient and surface energy of co-sputtered titanium and molybdenum disulfide coatings and its performance in micro hot-embossing. <i>Microsystem Technologies</i> , 2014, 20, 1069-1078.	1.2	8
51	Design, fabrication, and characterization of thermoplastic microlenses for fiber-optic probe imaging. <i>Applied Optics</i> , 2014, 53, 1083.	0.9	37
52	Comparison of Two Metallic Additive Manufacturing Technologies: Selective Laser Melting and Electron Beam Melting. , 2014, , .		1
53	Application of Electron Beam Melting (EBM) in Additive Manufacturing of an Impeller. , 2014, , .		14
54	Effect of injection-molding-induced residual stress on microchannel deformation irregularity during thermal bonding. <i>Journal of Micromechanics and Microengineering</i> , 2013, 24, 015012.	1.5	1

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55	Nanotribological Phenomena, Principles and Mechanisms for MEMS. , 2013, , 1-51.		2
56	Characteristics of stand-alone microlenses in fiber-based fluorescence imaging applications. Review of Scientific Instruments, 2011, 82, 043110.	0.6	4
57	Pressureless spark plasma sintering of alumina micro-channel part produced by micro powder injection molding. Scripta Materialia, 2011, 64, 237-240.	2.6	17
58	Preparation and characterization of micro components fabricated by micro powder injection molding. Materials Characterization, 2011, 62, 615-620.	1.9	13
59	Effects of processing parameters on the micro-channels replication in microfluidic devices fabricated by micro injection molding. Microsystem Technologies, 2011, 17, 1791-1798.	1.2	23
60	Investigation of final-stage sintering of various microsize structures prepared by micro powder injection molding. Applied Physics A: Materials Science and Processing, 2011, 103, 1145-1151.	1.1	5
61	Micro powder injection moulding of alumina micro-channel part. Journal of the European Ceramic Society, 2011, 31, 1049-1056.	2.8	43
62	Microstructure evolution of 316L stainless steel micro components prepared by micro powder injection molding. Powder Technology, 2011, 206, 246-251.	2.1	21
63	Modification of surface properties of silicon micro-molds by nitrogen and silicon doped diamond-like carbon coatings deposited with magnetron co-sputtering. Vacuum, 2011, 85, 1105-1107.	1.6	5
64	Metallic mould inserts for fabrication of polymer microfluidic devices. International Journal of Nanomanufacturing, 2010, 6, 66.	0.3	0
65	A teaching factory for polymer microfabrication – μFac. International Journal of Nanomanufacturing, 2010, 6, 137.	0.3	5
66	Improvement in lifetime and replication quality of Si micromold using N:DLC:Ni coatings for microfluidic devices. Sensors and Actuators B: Chemical, 2010, 150, 174-182.	4.0	18
67	Tribological behavior of 316L stainless steel fabricated by micro powder injection molding. Wear, 2010, 268, 1013-1019.	1.5	26
68	Optimization of compression molding of stand-alone microlenses: Simulation and experimental results. Polymer Engineering and Science, 2010, 50, 2216-2228.	1.5	7
69	Fabrication of robust tooling for mass production of polymeric microfluidic devices. Journal of Micromechanics and Microengineering, 2010, 20, 085019.	1.5	15
70	Replication performance of Si-N-DLC-coated Si micro-molds in micro-hot-embossing. Journal of Micromechanics and Microengineering, 2010, 20, 045007.	1.5	28
71	Replication and characterization of 316L stainless steel micro-mixer by micro powder injection molding. Journal of Alloys and Compounds, 2010, 496, 293-299.	2.8	34
72	Micro-hot-embossing of 316L stainless steel micro-structures. Applied Physics A: Materials Science and Processing, 2009, 97, 925-931.	1.1	18

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73	Characterisation of micro gears produced by micro powder injection moulding. Powder Technology, 2009, 188, 179-182.	2.1	47
74	Processing of Zirconium-Based Bulk Metallic Glass (BMG) Using Micro Electrical Discharge Machining (Micro-EDM). Materials and Manufacturing Processes, 2009, 24, 1242-1248.	2.7	56
75	Anti-sticking behavior of DLC-coated silicon micro-molds. Journal of Micromechanics and Microengineering, 2009, 19, 105025.	1.5	40
76	Fabrication of a stand-alone polymer microlens: design of molding apparatus, simulation and experimental results. Journal of Micromechanics and Microengineering, 2009, 19, 095005.	1.5	5
77	Constitutive modelling of microstructured components fabricated by micro powder injection molding. Acta Materialia, 2008, 56, 5560-5566.	3.8	8
78	Knowledge-based functional design of industrial robots. International Journal of Production Research, 2008, 46, 4501-4519.	4.9	7
79	Graph theoretic algorithm for automatic operation sequencing for progressive die design. International Journal of Production Research, 2008, 46, 2965-2988.	4.9	14
80	The demolding of powder injection molded micro-structures: analysis, simulation and experiment. Journal of Micromechanics and Microengineering, 2008, 18, 075024.	1.5	15
81	Review of production of microfluidic devices: material, manufacturing and metrology. Proceedings of SPIE, 2008, , .	0.8	10
82	A hierarchical text classification system for manufacturing knowledge management and retrieval. International Journal of Knowledge Management Studies, 2008, 2, 406.	0.2	4
83	Investigation of the dimensional variation of microstructures through the $\hat{\mu}$ MIM process. International Journal of Nanomanufacturing, 2007, 1, 722.	0.3	0
84	Effects of thermal debinding on surface roughness in micro powder injection molding. Materials Letters, 2007, 61, 809-812.	1.3	34
85	Associative assembly design features: concept, implementation and application. International Journal of Advanced Manufacturing Technology, 2007, 32, 434-444.	1.5	52
86	Dimensional variation in production of high-aspect-ratio micro-pillars array by micro powder injection molding. Applied Physics A: Materials Science and Processing, 2007, 89, 721-728.	1.1	21
87	Fabrication of micro gear by micro powder injection molding. Microsystem Technologies, 2007, 14, 43-50.	1.2	54
88	Handling of Imbalanced Data in Text Classification: Category-Based Term Weights. , 2007, , 171-192.		7
89	Generation of possible multiple components disassembly sequence for maintenance using a disassembly constraint graph. International Journal of Production Economics, 2006, 102, 51-65.	5.1	40
90	A DSS approach to managing customer enquiries for SMEs at the customer enquiry stage. International Journal of Production Economics, 2006, 103, 332-346.	5.1	42

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91	RMINE: A Rough Set Based Data Mining Prototype for the Reasoning of Incomplete Data in Condition-based Fault Diagnosis. <i>Journal of Intelligent Manufacturing</i> , 2006, 17, 163-176.	4.4	27
92	Analysis of demolding in micro metal injection molding. <i>Microsystem Technologies</i> , 2006, 12, 554-564.	1.2	13
93	Indexing and retrieval in case-based process planning for multi-stage non-axisymmetric deep drawing. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 28, 12-22.	1.5	26
94	Densification and grain growth of stainless steel microsize structures fabricated by $\hat{1}/4$ MIM. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 31-36.	1.1	10
95	Micro powder injection molding: Sintering kinetics of microstructured components. <i>Scripta Materialia</i> , 2006, 55, 1103-1106.	2.6	31
96	Characterization of metallic micro rod arrays fabricated by $\hat{1}/4$ MIM. <i>Materials Characterization</i> , 2006, 57, 80-85.	1.9	25
97	Mixing and characterisation of 316L stainless steel feedstock for micro powder injection molding. <i>Materials Characterization</i> , 2005, 54, 230-238.	1.9	81
98	Injection molding, debinding and sintering of 316L stainless steel microstructures. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 495-500.	1.1	44
99	A graph and matrix representation scheme for functional design of mechanical products. <i>International Journal of Advanced Manufacturing Technology</i> , 2005, 25, 221-232.	1.5	27
100	A knowledge-based blackboard framework for stamping process planning in progressive die design. <i>International Journal of Advanced Manufacturing Technology</i> , 2005, 26, 774-783.	1.5	29
101	Surface roughness of microstructured component fabricated by $\hat{1}/4$ MIM. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 396, 311-319.	2.6	22
102	An object-oriented intelligent disassembly sequence planner for maintenance. <i>Computers in Industry</i> , 2005, 56, 699-718.	5.7	72
103	Injection molding of 3D microstructures by $\hat{1}/4$ PIM. <i>Microsystem Technologies</i> , 2005, 11, 210-213.	1.2	34
104	A variotherm mold for micro metal injection molding. <i>Microsystem Technologies</i> , 2005, 11, 1267-1271.	1.2	37
105	Development of an object-oriented blackboard model for stamping process planning in progressive die design. <i>Journal of Intelligent Manufacturing</i> , 2005, 16, 499-513.	4.4	17
106	Effects of Injection Molding Parameters on the Production of Microstructures by Micropowder Injection Molding. <i>Materials and Manufacturing Processes</i> , 2005, 20, 977-985.	2.7	15
107	Replication of metal microstructures by micro powder injection molding. <i>Materials & Design</i> , 2004, 25, 729-733.	5.1	52
108	Design of a Feature-object-based Mechanical Assembly Library. <i>Computer-Aided Design and Applications</i> , 2004, 1, 397-403.	0.4	7

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109	A graph theoretic approach for stamping operations sequencing. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2004, 218, 467-471.	1.5	7
110	Processing of biocomposite Ti-6Al-4V/HA powder. Journal of Materials Science Letters, 2003, 22, 775-778.	0.5	4
111	A Tabu-enhanced genetic algorithm approach for assembly process planning. Journal of Intelligent Manufacturing, 2003, 14, 197-208.	4.4	35
112	FuncDesigner? a functional design software system. International Journal of Advanced Manufacturing Technology, 2003, 22, 295-305.	1.5	2
113	The development of a standard component library for plastic injection mould design using an object-oriented approach. International Journal of Advanced Manufacturing Technology, 2003, 22, 611-618.	1.5	35
114	Injection molding of 316L stainless steel microstructures. Microsystem Technologies, 2003, 9, 507-510.	1.2	18
115	Desktop virtual reality for maintenance training: an object oriented prototype system (V-REALISM). Computers in Industry, 2003, 52, 109-125.	5.7	128
116	A web-enhanced dynamic BOM-based available-to-promise system. International Journal of Production Economics, 2003, 84, 133-147.	5.1	39
117	WebATP: a Web-based flexible available-to-promise computation system. Production Planning and Control, 2003, 14, 662-672.	5.8	11
118	Indexing and Retrieval in Metal Stamping Die Design Using Case-based Reasoning. Journal of Computing and Information Science in Engineering, 2003, 3, 353-362.	1.7	28
119	An Intelligent, Multi-Agent Environment for Concurrent and Collaborative Configuration of Personal Computers. Concurrent Engineering Research and Applications, 2002, 10, 143-151.	2.0	1
120	Guiding functional design of mechanical products through rule-based causal behavioural reasoning. International Journal of Production Research, 2002, 40, 667-682.	4.9	32
121	Feature-based CAD-CAE integration model for injection-moulded product design. International Journal of Production Research, 2002, 40, 3737-3750.	4.9	49
122	Ti-6Al-4V/HA composite feedstock for injection molding. Materials Letters, 2002, 56, 522-532.	1.3	37
123	Characterization of powder injection molding feedstock. Materials Characterization, 2002, 49, 313-320.	1.9	62
124	In vitro behavior of sintered powder injection molded Ti-6Al-4V/HA. Journal of Biomedical Materials Research Part B, 2002, 63, 79-87.	3.0	19
125	A Heuristic State-Space Approach to the Functional Design of Mechanical Systems. International Journal of Advanced Manufacturing Technology, 2002, 19, 235-244.	1.5	15
126	A Two-Level Modelling Approach to Acquire Functional Design Knowledge in Mechanical Engineering Systems. International Journal of Advanced Manufacturing Technology, 2002, 19, 454-460.	1.5	11

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127	A Novel Representation Scheme for Disassembly Sequence Planning. <i>International Journal of Advanced Manufacturing Technology</i> , 2002, 20, 621-630.	1.5	64
128	A CAD-CAE Integrated Injection Molding Design System. <i>Engineering With Computers</i> , 2002, 18, 80-92.	3.5	40
129	Gas-assisted injection molding: the effects of process variables and gas channel geometry. <i>Journal of Materials Processing Technology</i> , 2002, 121, 27-35.	3.1	43
130	Spark plasma sintering of hydroxyapatite powders. <i>Biomaterials</i> , 2002, 23, 37-43.	5.7	202
131	Microstructures and mechanical properties of powder injection molded Ti-6Al-4V/HA powder. <i>Biomaterials</i> , 2002, 23, 2927-2938.	5.7	55
132	Micro-powder injection molding. <i>Journal of Materials Processing Technology</i> , 2002, 127, 165-168.	3.1	93
133	Automated functional design of engineering systems. <i>Journal of Intelligent Manufacturing</i> , 2002, 13, 119-133.	4.4	18
134	Binder system for micropowder injection molding. <i>Materials Letters</i> , 2001, 48, 31-38.	1.3	89
135	A Rough Set Approach to the Ordering of Basic Events in a Fault Tree for Fault Diagnosis. <i>International Journal of Advanced Manufacturing Technology</i> , 2001, 17, 769-774.	1.5	22
136	A Prototype Knowledge-Based System for Conceptual Synthesis of the Design Process. <i>International Journal of Advanced Manufacturing Technology</i> , 2001, 17, 549-557.	1.5	12
137	EFDEX: A Knowledge-Based Expert System for Functional Design of Engineering Systems. <i>Engineering With Computers</i> , 2001, 17, 339-353.	3.5	34
138	Processing of HA-coated Ti-6Al-4V by a ceramic slurry approach: an in vitro study. <i>Biomaterials</i> , 2001, 22, 1225-1232.	5.7	33
139	Mechanical alloying of TiC/M2 high speed steel composite powders and sintering investigation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 311, 13-21.	2.6	39
140	Sintering study of 316L stainless steel metal injection molding parts using Taguchi method: final density. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 311, 74-82.	2.6	87
141	Production of metal matrix composite part by powder injection molding. <i>Journal of Materials Processing Technology</i> , 2001, 108, 398-407.	3.1	102
142	Production of micro components by micro powder injection molding. <i>Journal of Materials Science Letters</i> , 2001, 20, 307-309.	0.5	15
143	Effects of debinding parameters on powder injection molded Ti-6Al-4V/HA composite parts. <i>Advanced Powder Technology</i> , 2001, 12, 361-370.	2.0	38
144	Sintering activation energy of powder injection molded 316L stainless steel. <i>Scripta Materialia</i> , 2001, 44, 1131-1137.	2.6	33

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145	Modelling functional design information for injection mould design. International Journal of Production Research, 2001, 39, 2501-2515.	4.9	7
146	Constraint-based functional design verification for conceptual design. CAD Computer Aided Design, 2000, 32, 889-899.	1.4	62
147	A two-stage collapsible core for injection moulded plastic parts with internal undercuts. International Journal of Machine Tools and Manufacture, 2000, 40, 1215-1233.	6.2	2
148	Microstructure evolution during sintering of injection molded M2 high speed steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 293, 46-55.	2.6	49
149	Abstracting and Exploring Functional Design Information for Conceptual Mechanical Product Design. Engineering With Computers, 2000, 16, 36-52.	3.5	62
150	Design automation of two-stage collapsible core using design prototype. International Journal of Computer Integrated Manufacturing, 2000, 13, 31-39.	2.9	4
151	A dual-stage functional modelling framework with multi-level design knowledge for conceptual mechanical design. Journal of Engineering Design, 2000, 11, 347-375.	1.1	27
152	Sintering of injection molded M2 high-speed steel. Materials Letters, 2000, 45, 32-38.	1.3	45
153	Mixing and characterization of feedstock for powder injection molding. Materials Letters, 2000, 46, 109-114.	1.3	102
154	A Rough-Set-Based Approach for Classification and Rule Induction. International Journal of Advanced Manufacturing Technology, 1999, 15, 438-444.	1.5	75
155	A parametric study of the shock characteristics of expandable polystyrene foam protective packaging. Polymer Engineering and Science, 1998, 38, 558-565.	1.5	6
156	A design perspective of mechanical function and its object-oriented representation scheme. Engineering With Computers, 1998, 14, 309-320.	3.5	25
157	The Effects of Gate Size in Powder Injection Molding. Materials and Manufacturing Processes, 1997, 12, 629-640.	2.7	2
158	Mathematical modelling and simulation of pop-up books. Computers and Graphics, 1996, 20, 21-31.	1.4	27
159	Automated process planning for plastic injection and blow moulds. Journal of Materials Processing Technology, 1996, 58, 390-395.	3.1	3
160	An industrial implementation of computer-aided tolerance charting. International Journal of Advanced Manufacturing Technology, 1996, 12, 122-131.	1.5	17
161	Intersection algorithms for lines and circles. ACM Transactions on Graphics, 1988, 8, 25-40.	4.9	14
162	Convex Decomposition of Simple Polygons. ACM Transactions on Graphics, 1984, 3, 244-265.	4.9	65

#	ARTICLE	IF	CITATIONS
163	Anisotropic Mechanical Properties in a Big-Sized Ti-6Al-4V Plate Fabricated by Electron Beam Melting. , 0, 1-12.		1