

# 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  
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165  
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165  
docs citations

165  
times ranked

7757  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Emerging 3D-Printed Electrochemical Energy Storage Devices: A Critical Review. <i>Advanced Energy Materials</i> , 2017, 7, 1700127.	10.2	300
7	Recent Advances on High-Entropy Alloys for 3D Printing. <i>Advanced Materials</i> , 2020, 32, e1903855.	11.1	269
8	Machine learning in additive manufacturing: State-of-the-art and perspectives. <i>Additive Manufacturing</i> , 2020, 36, 101538.	1.7	230
9	Modeling temperature and residual stress fields in selective laser melting. <i>International Journal of Mechanical Sciences</i> , 2018, 136, 24-35.	3.6	208
10	Spark plasma sintering of hydroxyapatite powders. <i>Biomaterials</i> , 2002, 23, 37-43.	5.7	202
11	Active droplet generation in microfluidics. <i>Lab on A Chip</i> , 2016, 16, 35-58.	3.1	199
12	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
13	Desktop virtual reality for maintenance training: an object oriented prototype system (V-REALISM). <i>Computers in Industry</i> , 2003, 52, 109-125.	5.7	128
14	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
15	Revealing martensitic transformation and $\lambda/\lambda^2$ interface evolution in electron beam melting three-dimensional-printed Ti-6Al-4V. <i>Scientific Reports</i> , 2016, 6, 26039.	1.6	114
16	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
17	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
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	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
20	Mixing and characterization of feedstock for powder injection molding. <i>Materials Letters</i> , 2000, 46, 109-114.	1.3	102
21	Production of metal matrix composite part by powder injection molding. <i>Journal of Materials Processing Technology</i> , 2001, 108, 398-407.	3.1	102
22	Hybrid microsccaffold-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
23	Development of an Ultrastretchable Double-Network Hydrogel for Flexible Strain Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 12814-12823.	4.0	97
24	Micro-powder injection molding. <i>Journal of Materials Processing Technology</i> , 2002, 127, 165-168.	3.1	93
25	Binder system for micropowder injection molding. <i>Materials Letters</i> , 2001, 48, 31-38.	1.3	89
26	Sintering study of 316L stainless steel metal injection molding parts using Taguchi method: final density. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 311, 74-82.	2.6	87
27	Mixing and characterisation of 316L stainless steel feedstock for micro powder injection molding. <i>Materials Characterization</i> , 2005, 54, 230-238.	1.9	81
28	A Rough-Set-Based Approach for Classification and Rule Induction. <i>International Journal of Advanced Manufacturing Technology</i> , 1999, 15, 438-444.	1.5	75
29	An object-oriented intelligent disassembly sequence planner for maintenance. <i>Computers in Industry</i> , 2005, 56, 699-718.	5.7	72
30	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
31	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
32	Convex Decomposition of Simple Polygons. <i>ACM Transactions on Graphics</i> , 1984, 3, 244-265.	4.9	65
33	A Novel Representation Scheme for Disassembly Sequence Planning. <i>International Journal of Advanced Manufacturing Technology</i> , 2002, 20, 621-630.	1.5	64
34	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
35	Constraint-based functional design verification for conceptual design. <i>CAD Computer Aided Design</i> , 2000, 32, 889-899.	1.4	62
36	Abstracting and Exploring Functional Design Information for Conceptual Mechanical Product Design. <i>Engineering With Computers</i> , 2000, 16, 36-52.	3.5	62

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37	Characterization of powder injection molding feedstock. <i>Materials Characterization</i> , 2002, 49, 313-320.	1.9	62
38	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
39	Processing of Zirconium-Based Bulk Metallic Glass (BMC) Using Micro Electrical Discharge Machining (Micro-EDM). <i>Materials and Manufacturing Processes</i> , 2009, 24, 1242-1248.	2.7	56
40	Microstructures and mechanical properties of powder injection molded Ti-6Al-4V/HA powder. <i>Biomaterials</i> , 2002, 23, 2927-2938.	5.7	55
41	Fabrication of micro gear by micro powder injection molding. <i>Microsystem Technologies</i> , 2007, 14, 43-50.	1.2	54
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	Replication of metal microstructures by micro powder injection molding. <i>Materials &amp; Design</i> , 2004, 25, 729-733.	5.1	52
44	Associative assembly design features: concept, implementation and application. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 32, 434-444.	1.5	52
45	Microstructure evolution during sintering of injection molded M2 high speed steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 293, 46-55.	2.6	49
46	Feature-based CAD-CAE integration model for injection-moulded product design. <i>International Journal of Production Research</i> , 2002, 40, 3737-3750.	4.9	49
47	Anisotropic microstructure and mechanical properties of additively manufactured Co-Cr-Mo alloy using selective electron beam melting for orthopedic implants. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 765, 138270.	2.6	49
48	Characterisation of micro gears produced by micro powder injection moulding. <i>Powder Technology</i> , 2009, 188, 179-182.	2.1	47
49	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
50	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
51	Sintering of injection molded M2 high-speed steel. <i>Materials Letters</i> , 2000, 45, 32-38.	1.3	45
52	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
53	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
54	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

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55	Micro powder injection moulding of alumina micro-channel part. Journal of the European Ceramic Society, 2011, 31, 1049-1056.	2.8	43
56	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
57	A CAD-CAE Integrated Injection Molding Design System. Engineering With Computers, 2002, 18, 80-92.	3.5	40
58	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
59	Anti-sticking behavior of DLC-coated silicon micro-molds. Journal of Micromechanics and Microengineering, 2009, 19, 105025.	1.5	40
60	Scanning optical microscopy for porosity quantification of additively manufactured components. Additive Manufacturing, 2018, 21, 350-358.	1.7	40
61	Mechanical alloying of TiC/M2 high speed steel composite powders and sintering investigation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 311, 13-21.	2.6	39
62	A web-enhanced dynamic BOM-based available-to-promise system. International Journal of Production Economics, 2003, 84, 133-147.	5.1	39
63	Effects of debinding parameters on powder injection molded Ti-6Al-4V/HA composite parts. Advanced Powder Technology, 2001, 12, 361-370.	2.0	38
64	Ti-6Al-4V/HA composite feedstock for injection molding. Materials Letters, 2002, 56, 522-532.	1.3	37
65	A variotherm mold for micro metal injection molding. Microsystem Technologies, 2005, 11, 1267-1271.	1.2	37
66	Design, fabrication, and characterization of thermoplastic microlenses for fiber-optic probe imaging. Applied Optics, 2014, 53, 1083.	0.9	37
67	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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 746, 300-313.	2.6	36
68	A Tabu-enhanced genetic algorithm approach for assembly process planning. Journal of Intelligent Manufacturing, 2003, 14, 197-208.	4.4	35
69	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
70	Automated droplet measurement (ADM): an enhanced video processing software for rapid droplet measurements. Microfluidics and Nanofluidics, 2016, 20, 1.	1.0	35
71	EFDEX: A Knowledge-Based Expert System for Functional Design of Engineering Systems. Engineering With Computers, 2001, 17, 339-353.	3.5	34
72	Injection molding of 3D microstructures by $\mu$ PIM. Microsystem Technologies, 2005, 11, 210-213.	1.2	34

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73	Effects of thermal debinding on surface roughness in micro powder injection molding. <i>Materials Letters</i> , 2007, 61, 809-812.	1.3	34
74	Replication and characterization of 316L stainless steel micro-mixer by micro powder injection molding. <i>Journal of Alloys and Compounds</i> , 2010, 496, 293-299.	2.8	34
75	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
76	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
77	Sintering activation energy of powder injection molded 316L stainless steel. <i>Scripta Materialia</i> , 2001, 44, 1131-1137.	2.6	33
78	Acoustofluidic control of bubble size in microfluidic flow-focusing configuration. <i>Lab on A Chip</i> , 2015, 15, 996-999.	3.1	33
79	Guiding functional design of mechanical products through rule-based causal behavioural reasoning. <i>International Journal of Production Research</i> , 2002, 40, 667-682.	4.9	32
80	Micro powder injection molding: Sintering kinetics of microstructured components. <i>Scripta Materialia</i> , 2006, 55, 1103-1106.	2.6	31
81	Tribochemical Characterization and Tribocorrosive Behavior of CoCrMo Alloys: A Review. <i>Materials</i> , 2018, 11, 30.	1.3	30
82	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
83	Indexing and Retrieval in Metal Stamping Die Design Using Case-based Reasoning. <i>Journal of Computing and Information Science in Engineering</i> , 2003, 3, 353-362.	1.7	28
84	Replication performance of Si-N-DLC-coated Si micro-molds in micro-hot-embossing. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 045007.	1.5	28
85	Mathematical modelling and simulation of pop-up books. <i>Computers and Graphics</i> , 1996, 20, 21-31.	1.4	27
86	A dual-stage functional modelling framework with multi-level design knowledge for conceptual mechanical design. <i>Journal of Engineering Design</i> , 2000, 11, 347-375.	1.1	27
87	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
88	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
89	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
90	Tribological behavior of 316L stainless steel fabricated by micro powder injection molding. <i>Wear</i> , 2010, 268, 1013-1019.	1.5	26

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91	A design perspective of mechanical function and its object-oriented representation scheme. <i>Engineering With Computers</i> , 1998, 14, 309-320.	3.5	25
92	Characterization of metallic micro rod arrays fabricated by $\hat{1}/4$ MIM. <i>Materials Characterization</i> , 2006, 57, 80-85.	1.9	25
93	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
94	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
95	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
96	Effects of processing parameters on the micro-channels replication in microfluidic devices fabricated by micro injection molding. <i>Microsystem Technologies</i> , 2011, 17, 1791-1798.	1.2	23
97	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
98	Surface roughness of microstructured component fabricated by $\hat{1}/4$ MIM. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 396, 311-319.	2.6	22
99	Dimensional variation in production of high-aspect-ratio micro-pillars array by micro powder injection molding. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 89, 721-728.	1.1	21
100	Microstructure evolution of 316L stainless steel micro components prepared by micro powder injection molding. <i>Powder Technology</i> , 2011, 206, 246-251.	2.1	21
101	In vitro behavior of sintered powder injection molded Ti-6Al-4V/HA. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 63, 79-87.	3.0	19
102	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
103	Automated functional design of engineering systems. <i>Journal of Intelligent Manufacturing</i> , 2002, 13, 119-133.	4.4	18
104	Injection molding of 316L stainless steel microstructures. <i>Microsystem Technologies</i> , 2003, 9, 507-510.	1.2	18
105	Micro-hot-embossing of 316L stainless steel micro-structures. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 97, 925-931.	1.1	18
106	Improvement in lifetime and replication quality of Si micromold using N:DLC:Ni coatings for microfluidic devices. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 174-182.	4.0	18
107	An industrial implementation of computer-aided tolerance charting. <i>International Journal of Advanced Manufacturing Technology</i> , 1996, 12, 122-131.	1.5	17
108	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

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109	Pressureless spark plasma sintering of alumina micro-channel part produced by micro powder injection molding. <i>Scripta Materialia</i> , 2011, 64, 237-240.	2.6	17
110	Production of micro components by micro powder injection molding. <i>Journal of Materials Science Letters</i> , 2001, 20, 307-309.	0.5	15
111	A Heuristic State-Space Approach to the Functional Design of Mechanical Systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2002, 19, 235-244.	1.5	15
112	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
113	The demolding of powder injection molded micro-structures: analysis, simulation and experiment. <i>Journal of Micromechanics and Microengineering</i> , 2008, 18, 075024.	1.5	15
114	Fabrication of robust tooling for mass production of polymeric microfluidic devices. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 085019.	1.5	15
115	Intersection algorithms for lines and circles. <i>ACM Transactions on Graphics</i> , 1988, 8, 25-40.	4.9	14
116	Graph theoretic algorithm for automatic operation sequencing for progressive die design. <i>International Journal of Production Research</i> , 2008, 46, 2965-2988.	4.9	14
117	Application of Electron Beam Melting (EBM) in Additive Manufacturing of an Impeller. , 2014, , .		14
118	Analysis of demolding in micro metal injection molding. <i>Microsystem Technologies</i> , 2006, 12, 554-564.	1.2	13
119	Preparation and characterization of micro components fabricated by micro powder injection molding. <i>Materials Characterization</i> , 2011, 62, 615-620.	1.9	13
120	Additive Manufacturing of Patient-Customizable Scaffolds for Tubular Tissues Using the Melt-Drawing Method. <i>Materials</i> , 2016, 9, 893.	1.3	13
121	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
122	A Two-Level Modelling Approach to Acquire Functional Design Knowledge in Mechanical Engineering Systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2002, 19, 454-460.	1.5	11
123	WebATP: a Web-based flexible available-to-promise computation system. <i>Production Planning and Control</i> , 2003, 14, 662-672.	5.8	11
124	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
125	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
126	Densification and grain growth of stainless steel microsize structures fabricated by $\frac{1}{4}$ MIM. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 31-36.	1.1	10



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127	Review of production of microfluidic devices: material, manufacturing and metrology. Proceedings of SPIE, 2008, , .	0.8	10
128	Tribological Properties of Three-Dimensionally Printed TiAl <sub>4</sub> Material Via Electron Beam Melting Process Tested Against 100Cr6 Steel Without and With Hank's Solution. Journal of Tribology, 2018, 140, .	1.0	10
129	A study on frictional behavior of PMMA against FDTS coated silicon as a function of load, velocity and temperature. Tribology International, 2016, 102, 44-51.	3.0	9
130	Nanometer-scale precipitations in a selective electron beam melted nickel-based superalloy. Scripta Materialia, 2021, 194, 113661.	2.6	9
131	Constitutive modelling of microstructured components fabricated by micro powder injection molding. Acta Materialia, 2008, 56, 5560-5566.	3.8	8
132	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. Microsystem Technologies, 2014, 20, 1069-1078.	1.2	8
133	Fatigue behavior of ASTM A131 EH36 steel samples additively manufactured with selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 777, 139049.	2.6	8
134	Modelling functional design information for injection mould design. International Journal of Production Research, 2001, 39, 2501-2515.	4.9	7
135	Design of a Feature-object-based Mechanical Assembly Library. Computer-Aided Design and Applications, 2004, 1, 397-403.	0.4	7
136	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
137	Knowledge-based functional design of industrial robots. International Journal of Production Research, 2008, 46, 4501-4519.	4.9	7
138	Optimization of compression molding of stand-alone microlenses: Simulation and experimental results. Polymer Engineering and Science, 2010, 50, 2216-2228.	1.5	7
139	Handling of Imbalanced Data in Text Classification: Category-Based Term Weights. , 2007, , 171-192.		7
140	A parametric study of the shock characteristics of expandable polystyrene foam protective packaging. Polymer Engineering and Science, 1998, 38, 558-565.	1.5	6
141	Memory phenomenon in a lanthanum based bulk metallic glass. Journal of Alloys and Compounds, 2016, 672, 131-136.	2.8	6
142	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
143	A teaching factory for polymer microfabrication &ndash; &mu;Fac. International Journal of Nanomanufacturing, 2010, 6, 137.	0.3	5
144	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

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145	Modification of surface properties of silicon micro-molds by nitrogen and silicon doped diamond-like carbon coatings deposited with magnetron co-sputtering. <i>Vacuum</i> , 2011, 85, 1105-1107.	1.6	5
146	Design automation of two-stage collapsible core using design prototype. <i>International Journal of Computer Integrated Manufacturing</i> , 2000, 13, 31-39.	2.9	4
147	Processing of biocomposite Ti-6Al-4V/HA powder. <i>Journal of Materials Science Letters</i> , 2003, 22, 775-778.	0.5	4
148	A hierarchical text classification system for manufacturing knowledge management and retrieval. <i>International Journal of Knowledge Management Studies</i> , 2008, 2, 406.	0.2	4
149	Characteristics of stand-alone microlenses in fiber-based fluorescence imaging applications. <i>Review of Scientific Instruments</i> , 2011, 82, 043110.	0.6	4
150	Automated process planning for plastic injection and blow moulds. <i>Journal of Materials Processing Technology</i> , 1996, 58, 390-395.	3.1	3
151	The Effects of Gate Size in Powder Injection Molding. <i>Materials and Manufacturing Processes</i> , 1997, 12, 629-640.	2.7	2
152	A two-stage collapsible core for injection moulded plastic parts with internal undercuts. <i>International Journal of Machine Tools and Manufacture</i> , 2000, 40, 1215-1233.	6.2	2
153	FuncDesigner? a functional design software system. <i>International Journal of Advanced Manufacturing Technology</i> , 2003, 22, 295-305.	1.5	2
154	Nanotribological Phenomena, Principles and Mechanisms for MEMS. , 2013, , 1-51.		2
155	3D printing of metallic micro-gears for micro-fluidic applications. <i>Journal of Micromechanics and Molecular Physics</i> , 2021, 06, .	0.7	2
156	An Intelligent, Multi-Agent Environment for Concurrent and Collaborative Configuration of Personal Computers. <i>Concurrent Engineering Research and Applications</i> , 2002, 10, 143-151.	2.0	1
157	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
158	Anisotropic Mechanical Properties in a Big-Sized Ti-6Al-4V Plate Fabricated by Electron Beam Melting. , 0, , 1-12.		1
159	Morphological Box Classification Framework for supporting 3D scanner selection. <i>Virtual and Physical Prototyping</i> , 2018, 13, 211-221.	5.3	1
160	Comparison of Two Metallic Additive Manufacturing Technologies: Selective Laser Melting and Electron Beam Melting. , 2014, , .		1
161	Investigation of the dimensional variation of microstructures through the $\hat{\mu}$ MIM process. <i>International Journal of Nanomanufacturing</i> , 2007, 1, 722.	0.3	0
162	Metallic mould inserts for fabrication of polymer microfluidic devices. <i>International Journal of Nanomanufacturing</i> , 2010, 6, 66.	0.3	0

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163	Damage Boundary Detection of Partially Scanned Models. , 2018, , .		0