

Abdulrahman Al-Ahmari

List of Publications by Year in descending order

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226
papers

4,592
citations

134610

34
h-index

175968

55
g-index

232
all docs

232
docs citations

232
times ranked

3848
citing authors

#	ARTICLE	IF	CITATIONS
1	3D modeling of tool wear and optimization in hard turning considering the effects of tool cutting edge and nose radii. International Journal of Advanced Manufacturing Technology, 2022, 118, 1919-1932.	1.5	5
2	Investigation the effect of electron beam melting parameters on overhang structure deformation. Materials Technology, 2022, 37, 1586-1593.	1.5	3
3	Influence of Adaptive Gap Control Mechanism and Tool Electrodes on Machining Titanium (Ti-6Al-4V) Alloy in EDM Process. Materials, 2022, 15, 513.	1.3	9
4	The Impact of Industry 4.0 Technologies on Manufacturing Strategies: Proposition of Technology-Integrated Selection. IEEE Access, 2022, 10, 21574-21583.	2.6	11
5	A New MINLP Continuous Time Formulation for Scheduling Optimization of Oil Refinery with Unreliable CDUs. Mathematical Problems in Engineering, 2022, 2022, 1-12.	0.6	2
6	Fabrication and Performance Analysis of 3D Inkjet Flexible Printed Touch Sensor Based on AgNP Electrode for Infotainment Display. Coatings, 2022, 12, 416.	1.2	9
7	A Novel Control-Theory-Based Approach to Scheduling of High-Throughput Screening System for Enzymatic Assay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7667-7678.	5.9	3
8	Metaheuristics for optimizing unrelated parallel machines scheduling with unreliable resources to minimize makespan. Advances in Mechanical Engineering, 2022, 14, 168781322210970.	0.8	1
9	Exploring Key Decisive Factors in Manufacturing Strategies in the Adoption of Industry 4.0 by Using the Fuzzy DEMATEL Method. Processes, 2022, 10, 987.	1.3	9
10	An Improved Synthesis Method Based on ILPP and Colored Petri Net for Liveness Enforcing Controller of Flexible Manufacturing Systems. IEEE Access, 2022, 10, 68570-68581.	2.6	3
11	Evaluation of the Support Structure Removal Techniques for Additively Manufactured Ti6Al4V Parts. Advances in Materials Science and Engineering, 2022, 2022, 1-8.	1.0	2
12	Automated Disassembly Sequence Prediction for Industry 4.0 Using Enhanced Genetic Algorithm. Computers, Materials and Continua, 2021, 69, 2531-2548.	1.5	11
13	Anomaly detection via a combination model in time series data. Applied Intelligence, 2021, 51, 4874-4887.	3.3	11
14	Colored Resource-Oriented Petri Nets for Deadlock Control and Reliability Design of Automated Manufacturing Systems. IEEE Access, 2021, 9, 125616-125627.	2.6	3
15	Performance assessment of fused deposition modeling process. Journal of Engineering Research, 2021, 9, .	0.4	0
16	A Model for Maintenance Planning and Process Quality Control Optimization Based on EWMA and CUSUM Control Charts. Transactions of Famena, 2021, 45, 95-116.	0.3	2
17	Multi-objective optimization of support structures for metal additive manufacturing. International Journal of Advanced Manufacturing Technology, 2021, 116, 2613-2632.	1.5	6
18	On Parametrizing Feasible Reconfigurable Systems Under Real-Time, Energy, and Resource Sharing Constraints. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1492-1504.	3.4	1

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19	Deadlock Control and Fault Detection and Treatment in Reconfigurable Manufacturing Systems Using Colored Resource-Oriented Petri Nets Based on Neural Network. <i>IEEE Access</i> , 2021, 9, 84932-84947.	2.6	9
20	Mechanical and microstructural characterization of Ti-SiC reinforced AA5083 surface composites fabricated via friction stir process. <i>Materials Research Express</i> , 2021, 8, 126523.	0.8	0
21	Tabu Search Algorithm Based on Lower Bound and Exact Algorithm Solutions for Minimizing the Makespan in Non-Identical Parallel Machines Scheduling. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-9.	0.6	5
22	Robust deadlock control for automated manufacturing systems based on elementary siphon theory. <i>Information Sciences</i> , 2020, 510, 165-182.	4.0	17
23	Microstructural characterization and in-process traverse force during friction stir welding of austenitic stainless steel. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 1031-1043.	1.1	9
24	Single Controller-Based Colored Petri Nets for Deadlock Control in Automated Manufacturing Systems. <i>Processes</i> , 2020, 8, 21.	1.3	27
25	Integrated system for automation of process, fixture and inspection planning. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	4
26	Design for Additive Manufacturing: A Systematic Review. <i>Sustainability</i> , 2020, 12, 7936.	1.6	78
27	Multi-response optimization for Nimonic alloy miniature gear fabrication using wire electrical discharge machining. <i>Advances in Mechanical Engineering</i> , 2020, 12, 168781402096758.	0.8	5
28	Laser-Machining of Microchannels in NiTi-Based Shape-Memory Alloys: Experimental Analysis and Process Optimization. <i>Materials</i> , 2020, 13, 2945.	1.3	12
29	Computational System to Classify Cyber Crime Offenses using Machine Learning. <i>Sustainability</i> , 2020, 12, 4087.	1.6	63
30	Evolution of Computer-Aided Process Planning for Hybrid Additive/Subtractive Process. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-21.	1.0	3
31	Thermomechanical Simulations of Residual Stresses and Distortion in Electron Beam Melting with Experimental Validation for Ti-6Al-4V. <i>Metals</i> , 2020, 10, 1151.	1.0	8
32	Automatic Supervisory Controller for Deadlock Control in Reconfigurable Manufacturing Systems with Dynamic Changes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5270.	1.3	14
33	Colored Resource-Oriented Petri Net Based Ladder Diagrams for PLC Implementation in Reconfigurable Manufacturing Systems. <i>IEEE Access</i> , 2020, 8, 217573-217591.	2.6	11
34	Path Planning and Setup Orientation for Automated Dimensional Inspection Using Coordinate Measuring Machines. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-17.	0.6	3
35	Patch and curvature specific estimation of efficient sampling scheme for complex surface inspection. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 3407-3422.	1.5	9
36	Intelligent Colored Token Petri Nets for Modeling, Control, and Validation of Dynamic Changes in Reconfigurable Manufacturing Systems. <i>Processes</i> , 2020, 8, 358.	1.3	22

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37	Petri Net Model Based on Neural Network for Deadlock Control and Fault Detection and Treatment in Automated Manufacturing Systems. IEEE Access, 2020, 8, 103219-103235.	2.6	18
38	Inventory Routing Problem in Supply Chain of Perishable Products under Cost Uncertainty. Mathematics, 2020, 8, 382.	1.1	15
39	Strict Minimal Siphon-Based Colored Petri Net Supervisor Synthesis for Automated Manufacturing Systems With Unreliable Resources. IEEE Access, 2020, 8, 22411-22424.	2.6	25
40	Modelling the Mechanical Attributes (Roughness, Strength, and Hardness) of Al-alloy A356 during Sand Casting. Materials, 2020, 13, 598.	1.3	8
41	On the Investigation of Surface Integrity of Ti6Al4V ELI Using Si-Mixed Electric Discharge Machining. Materials, 2020, 13, 1549.	1.3	55
42	Location Based Business Recommendation Using Spatial Demand. Sustainability, 2020, 12, 4124.	1.6	15
43	Analysis and Realization of Sampling Strategy in Coordinate Metrology. Mathematical Problems in Engineering, 2019, 2019, 1-19.	0.6	5
44	Reclamation of steel shots by acid leaching for powder metallurgy applications. Advances in Mechanical Engineering, 2019, 11, 168781401986696.	0.8	0
45	Abrasive Waterjet Cutting of Clad Composite for Achieving Minimal Cut Quality Difference Between Constituent Layers. Metals, 2019, 9, 754.	1.0	13
46	Modeling the Effect of Different Support Structures in Electron Beam Melting of Titanium Alloy Using Finite Element Models. Metals, 2019, 9, 806.	1.0	24
47	Self-supporting overhang structures produced by additive manufacturing through electron beam melting. International Journal of Advanced Manufacturing Technology, 2019, 104, 2215-2232.	1.5	41
48	Evaluating Materialâ€™s Interaction in Wire Electrical Discharge Machining of Stainless Steel (304) for Simultaneous Optimization of Conflicting Responses. Materials, 2019, 12, 1940.	1.3	31
49	Assessment of virtual reality-based manufacturing assembly training system. International Journal of Advanced Manufacturing Technology, 2019, 105, 3743-3759.	1.5	73
50	Additive manufacturing: Challenges, trends, and applications. Advances in Mechanical Engineering, 2019, 11, 168781401882288.	0.8	325
51	Comparison and evaluation of multi-criteria supplier selection approaches: A case study. Advances in Mechanical Engineering, 2019, 11, 168781401882292.	0.8	18
52	Optimization of Nd:YAG laser for microchannels fabrication in alumina ceramic. Journal of Manufacturing Processes, 2019, 41, 148-158.	2.8	14
53	Effect of Laser Beam Conditioning on Fabrication of Micro-Channels in Al ₂ O ₃ Bio-ceramics Using Nd:YAG Laser. IOP Conference Series: Materials Science and Engineering, 2019, 521, 012001.	0.3	1
54	Evaluation of additive manufacturing technologies for dimensional and geometric accuracy. International Journal of Materials and Product Technology, 2019, 58, 129.	0.1	12

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55	Evaluation of Support Structure Removability for Additively Manufactured Ti6Al4V Overhangs via Electron Beam Melting. <i>Metals</i> , 2019, 9, 1211.	1.0	9
56	A Non-Invasive Sleep Analysis Approach Based on a Fuzzy Inference System and a Finite State Machine. <i>IEEE Access</i> , 2019, 7, 2664-2676.	2.6	4
57	Comparative analysis of different digitization systems and selection of best alternative. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 2039-2067.	4.4	15
58	Multiobjective Optimization Approach for a Portable Development of Reconfigurable Real-Time Systems: From Specification to Implementation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 623-637.	5.9	40
59	Fault Identification of Discrete Event Systems Modeled by Petri Nets With Unobservable Transitions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 333-345.	5.9	56
60	DESIGN AND IMPLEMENTATION OF DEADLOCK CONTROL FOR AUTOMATED MANUFACTURING SYSTEMS. <i>South African Journal of Industrial Engineering</i> , 2019, 30, .	0.2	15
61	Improved frame-by-frame object pose tracking in complex environments. <i>Multimedia Tools and Applications</i> , 2018, 77, 24983-25004.	2.6	1
62	Optimal enforcement of liveness to flexible manufacturing systems modeled with Petri nets via transition-based controllers. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401775070.	0.8	21
63	Rotary ultrasonic drilling of Ti6Al4V: Effects of machining parameters and tool diameter. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401775078.	0.8	6
64	An automatic and optimal selection of parts orientation in additive manufacturing. <i>Rapid Prototyping Journal</i> , 2018, 24, 698-708.	1.6	18
65	Laser micro-milling of bio-lox forte ceramic: An experimental analysis. <i>Precision Engineering</i> , 2018, 53, 179-193.	1.8	20
66	Evaluation of 3D printing approach for manual assembly training. <i>International Journal of Industrial Ergonomics</i> , 2018, 66, 57-62.	1.5	12
67	Analysis and Control of Dynamic Reconfiguration Processes of Manufacturing Systems. <i>IEEE Access</i> , 2018, 6, 28028-28040.	2.6	22
68	Multi-objective optimization of micro-electrical discharge machining of nickel-titanium-based shape memory alloy using MOGA-II. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 125, 336-349.	2.5	76
69	A study on the effect of main process parameters of rotary ultrasonic machining for drilling BK7 glass. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401775221.	0.8	3
70	Electron beam melting of gamma titanium aluminide and investigating the effect of EBM layer orientation on milling performance. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 3093-3107.	1.5	18
71	Semi-Immersive Virtual Turbine Engine Simulation System. <i>International Journal of Turbo and Jet Engines</i> , 2018, 35, 149-160.	0.3	7
72	Design of Optimal Petri Net Supervisors for Flexible Manufacturing Systems via Weighted Inhibitor Arcs. <i>Asian Journal of Control</i> , 2018, 20, 511-530.	1.9	21

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73	Structural Decomposition and Decentralized Control of Petri Nets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1360-1369.	5.9	23
74	On structural reduction of liveness-enforcing Petri net supervisors for flexible manufacturing systems: an algebraic approach. IMA Journal of Mathematical Control and Information, 2018, 35, 1217-1249.	1.1	7
75	Mining Resource Community and Resource Role Network From Event Logs. IEEE Access, 2018, 6, 77685-77694.	2.6	5
76	Novel dynamic CAPP system for hybrid additive-subtractive inspection process. Rapid Prototyping Journal, 2018, 24, 988-1002.	1.6	9
77	Evaluation of Handheld Scanners for Automotive Applications. Applied Sciences (Switzerland), 2018, 8, 217.	1.3	18
78	Microchannels Fabrication in Alumina Ceramic Using Direct Nd:YAG Laser Writing. Micromachines, 2018, 9, 371.	1.4	5
79	Improved Multi-Step Look-Ahead Control Policies for Automated Manufacturing Systems. IEEE Access, 2018, 6, 68824-68838.	2.6	41
80	Automatic supervisory control for the self-healing of smart grids based on colored Petri nets. IEEE Transactions on Electrical and Electronic Engineering, 2018, 13, 1612-1623.	0.8	8
81	Microstructural features of friction stir welded dissimilar Aluminium alloys AA2219-AA7475. Materials Research Express, 2018, 5, 056531.	0.8	13
82	A systematic approach to parameter selection for CAD-virtual reality data translation using response surface methodology and MOGA-II. PLoS ONE, 2018, 13, e0197673.	1.1	5
83	Experimental investigation and multi-objective optimization of Nd:YAG laser micro-channeling process of zirconia dental ceramic. International Journal of Advanced Manufacturing Technology, 2018, 98, 2213-2230.	1.5	43
84	Requirements of the Smart Factory System: A Survey and Perspective. Machines, 2018, 6, 23.	1.2	182
85	Investigation on the Effect of Tool Pin Profiles on Mechanical and Microstructural Properties of Friction Stir Butt and Scarf Welded Aluminium Alloy 6063. Metals, 2018, 8, 74.	1.0	33
86	Manufacturability of Overhanging Holes Using Electron Beam Melting. Metals, 2018, 8, 397.	1.0	20
87	Implementing Traceability Systems in Specific Supply Chain Management (SCM) through Critical Success Factors (CSFs). Sustainability, 2018, 10, 204.	1.6	79
88	Design, finite element analysis (FEA), and fabrication of custom titanium alloy cranial implant using electron beam melting additive manufacturing. Advances in Production Engineering and Management, 2018, 13, 267-278.	0.8	16
89	A study of micro-channel size and spatter dispersion for laser beam micro-milling. Materials and Manufacturing Processes, 2017, 32, 171-184.	2.7	26
90	Iterative optimization for frame-by-frame object pose tracking. Journal of Visual Communication and Image Representation, 2017, 44, 72-81.	1.7	3

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91	A digital design methodology for surgical planning and fabrication of customized mandible implants. Rapid Prototyping Journal, 2017, 23, 101-109.	1.6	8
92	Application of the sampling strategies in the inspection process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 565-575.	1.5	7
93	Computer Assisted Design and Analysis of Customized Porous Plate for Mandibular Reconstruction. Irbm, 2017, 38, 78-89.	3.7	19
94	Dynamic output feedback robust MPC for LPV systems subject to input saturation and bounded disturbance. International Journal of Control, Automation and Systems, 2017, 15, 976-985.	1.6	15
95	Optimization of laser micro milling of alumina ceramic using radial basis functions and MOGA-II. International Journal of Advanced Manufacturing Technology, 2017, 91, 2017-2029.	1.5	19
96	Electron beam melting of titanium alloy and surface finish improvement through rotary ultrasonic machining. International Journal of Advanced Manufacturing Technology, 2017, 92, 3349-3361.	1.5	31
97	On modeling tool performance while machining aluminum-based metal matrix composites. International Journal of Advanced Manufacturing Technology, 2017, 92, 3519-3530.	1.5	13
98	Effect of melt parameters on density and surface roughness in electron beam melting of gamma titanium aluminide alloy. Rapid Prototyping Journal, 2017, 23, 474-485.	1.6	24
99	Deadlock and liveness characterization for a class of generalized Petri nets. Information Sciences, 2017, 420, 403-416.	4.0	10
100	Structural and mechanical characterization of custom design cranial implant created using additive manufacturing. Electronic Journal of Biotechnology, 2017, 29, 22-31.	1.2	58
101	In vitro wear, corrosion and biocompatibility of electron beam melted $\hat{\text{T}}^3\text{-TiAl}$. Materials and Design, 2017, 133, 186-194.	3.3	18
102	Analysis of defects in clean fabrication process of friction stir welding. Transactions of Nonferrous Metals Society of China, 2017, 27, 1507-1516.	1.7	43
103	Multi-response optimization of machining parameters in micro milling of alumina ceramics using Nd:YAG laser. Measurement: Journal of the International Measurement Confederation, 2017, 95, 181-192.	2.5	34
104	Deadlock recovery for flexible manufacturing systems modeled with Petri nets. Information Sciences, 2017, 381, 290-303.	4.0	97
105	Resource Configuration Analysis for a Class of Petri Nets Based on Strongly Connected Characteristic Resource Subnets. IEEE Access, 2017, 5, 26376-26386.	2.6	8
106	Performance evaluation of vehicular platoons using Webots. IET Intelligent Transport Systems, 2017, 11, 441-449.	1.7	23
107	On Computation Reduction of Liveness-Enforcing Supervisors. IEEE Access, 2017, 5, 14775-14786.	2.6	1
108	A Minimal Supervisory Structure to Optimally Enforce Liveness on Petri Net Models for Flexible Manufacturing Systems. IEEE Access, 2017, 5, 15731-15749.	2.6	14

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109	Effect of Energy Input on Microstructure and Mechanical Properties of Titanium Aluminide Alloy Fabricated by the Additive Manufacturing Process of Electron Beam Melting. <i>Materials</i> , 2017, 10, 211.	1.3	37
110	An Investigation of the Micro-Electrical Discharge Machining of Nickel-Titanium Shape Memory Alloy Using Grey Relations Coupled with Principal Component Analysis. <i>Metals</i> , 2017, 7, 486.	1.0	28
111	A Multistep Look-Ahead Deadlock Avoidance Policy for Automated Manufacturing Systems. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-16.	0.5	3
112	Mathematical Modeling and Multi-objective Optimization. <i>Advanced Structured Materials</i> , 2017, , 201-240.	0.3	0
113	Dry Laser Beam Micro-milling (DLBMM) of Aerospace Alloys. <i>Advanced Structured Materials</i> , 2017, , 133-169.	0.3	0
114	Validations Modeling and Optimization. <i>Advanced Structured Materials</i> , 2017, , 241-258.	0.3	0
115	Under-Water Laser Beam Micro-milling (UWLBMM) of Aerospace Alloys. <i>Advanced Structured Materials</i> , 2017, , 101-132.	0.3	0
116	Dimensional Variations in DLBMM of Aerospace Alloys. <i>Advanced Structured Materials</i> , 2017, , 171-199.	0.3	0
117	Conclusions and Future Work Recommendations. <i>Advanced Structured Materials</i> , 2017, , 259-264.	0.3	0
118	A comparison study on the design of mirror and anatomy reconstruction technique in maxillofacial region. <i>Technology and Health Care</i> , 2016, 24, 377-389.	0.5	9
119	Development and Evaluation of the Virtual Prototype of the First Saudi Arabian-Designed Car. <i>Computers</i> , 2016, 5, 26.	2.1	15
120	Melt Processing and Characterization of Al-SiC Nanocomposite, Al, and Mg Foam Materials. <i>Metals</i> , 2016, 6, 110.	1.0	4
121	Assessment of finite element and smoothed particles hydrodynamics methods for modeling serrated chip formation in hardened steel. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401665237.	0.8	5
122	On multistage approach for flexible routing in flexible manufacturing systems. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401665901.	0.8	2
123	Chip morphology predictions while machining hardened tool steel using finite element and smoothed particles hydrodynamics methods. <i>Journal of Zhejiang University: Science A</i> , 2016, 17, 873-885.	1.3	8
124	Laser beam micro-milling of nickel alloy: dimensional variations and RSM optimization of laser parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	15
125	Effect of laser ablation parameters on surface improvement of electron beam melted parts. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 1033-1044.	1.5	20
126	Confusion diagnosis and avoidance of discrete event systems using supervisory control. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , 2016, 11, 49-62.	0.8	2

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127	Analysis of a multimachine flexible manufacturing cell using stochastic Petri nets. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401668016.	0.8	5
128	Experimental investigation of micro-channels produced in aluminum alloy (AA 2024) through laser machining. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	7
129	Customized porous implants by additive manufacturing for zygomatic reconstruction. <i>Biocybernetics and Biomedical Engineering</i> , 2016, 36, 719-730.	3.3	18
130	Development of a virtual manufacturing assembly simulation system. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401663982.	0.8	55
131	Additive Manufacturing of β -TiAl: Processing, Microstructure, and Properties. <i>Advanced Engineering Materials</i> , 2016, 18, 1208-1215.	1.6	58
132	Micro-channels by Nd:YAG laser beam machining: fabrication, microstructures, and micro-hardness profiles. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 85, 1955-1968.	1.5	16
133	Laser Ablation and Laser-Hybrid Ablation Processes: A Review. <i>Materials and Manufacturing Processes</i> , 2016, 31, 1121-1142.	2.7	90
134	Laser beam micro-milling (LBMM) of selected aerospace alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 2411-2431.	1.5	32
135	Predicting surface quality of β -TiAl produced by additive manufacturing process using response surface method. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 345-352.	0.7	22
136	Laser beam micro-machining under water immersion. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 83, 1671-1681.	1.5	21
137	Optimal robotic cell scheduling with controllers using mathematically based timed Petri nets. <i>Information Sciences</i> , 2016, 329, 638-648.	4.0	27
138	A comparison of laser beam machining of micro-channels under dry and wet mediums. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 83, 1539-1555.	1.5	28
139	Confusion avoidance for discrete event systems by P/E constraints and supervisory control. <i>IMA Journal of Mathematical Control and Information</i> , 2016, 33, 309-332.	1.1	2
140	A Hybrid Machining Process Combining Micro-EDM and Laser Beam Machining of Nickel-Titanium-Based Shape Memory Alloy. <i>Materials and Manufacturing Processes</i> , 2016, 31, 447-455.	2.7	89
141	Conducting and Biopolymer Based Electrospun Nanofiber Membranes for Wound Healing Applications. <i>Current Nanoscience</i> , 2016, 12, 220-227.	0.7	13
142	Experimental Investigation of Dimensional Variation in Laser-machined Micro-channels produced in Titanium Alloy. <i>Journal of Laser Micro Nanoengineering</i> , 2016, 11, 210-226.	0.4	5
143	A comparative study on the customized design of mandibular reconstruction plates using finite element method. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401559389.	0.8	31
144	Haptics Assisted Virtual Assembly. <i>IFAC-PapersOnLine</i> , 2015, 48, 100-105.	0.5	16

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145	Confusion Control in Generalized Petri Nets Using Synchronized Events. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-23.	0.6	0
146	Equivalent Transformation of Nonlinear Constraints to Linear Constraints in Petri Nets. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-11.	0.6	2
147	Comparison and Evaluation of Deadlock Prevention Methods for Different Size Automated Manufacturing Systems. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-19.	0.6	15
148	Corrosion Behavior in 3.5% NaCl Solutions of $\hat{\text{T}}^3\text{-TiAl}$ Processed by Electron Beam Melting Process. <i>Metals</i> , 2015, 5, 2289-2302.	1.0	16
149	i-DEMATEL method for integrated manufacturing technology selection. <i>Journal of Manufacturing Technology Management</i> , 2015, 26, 349-363.	3.3	9
150	Evaluation of deadlock control designs in automated manufacturing systems. , 2015, , .		5
151	Elementaryâ€Siphonâ€Based Control Policy for Flexible Manufacturing Systems with Partial Observability and Controllability of Transitions. <i>Asian Journal of Control</i> , 2015, 17, 327-342.	1.9	8
152	Feature-based design approach for integrated CAD and computer-aided inspection planning. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 76, 2159-2183.	1.5	34
153	Computer-aided process planning in prismatic shape die components based on Standard for the Exchange of Product model data. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401561982.	0.8	4
154	Virtual reality for manufacturing: A robotic cell case study. , 2015, , .		7
155	Developing a methodology for analysis and manufacturing of proximal interphalangeal (PIP) joint using rapid prototyping technique. <i>Rapid Prototyping Journal</i> , 2015, 21, 449-460.	1.6	4
156	Modeling machining of particle-reinforced aluminum-based metal matrix composites using cohesive zone elements. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 78, 1171-1179.	1.5	55
157	Optimizing parameters of freeform surface reconstruction using CMM. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 64, 17-28.	2.5	11
158	Layout design optimization of dynamic environment flexible manufacturing systems. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401558425.	0.8	6
159	Accuracy of a reverse-engineered mould using contact and non-contact measurement techniques. <i>International Journal of Computer Integrated Manufacturing</i> , 2015, 28, 419-436.	2.9	12
160	Finite element analysis of finger joint implant: A review. , 2015, , .		0
161	Rapid Prototyping for Assembly Training and Validation. <i>IFAC-PapersOnLine</i> , 2015, 48, 412-417.	0.5	16
162	Patient specific mandibular implant for maxillofacial surgery using additive manufacturing. , 2015, , .		10

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163	Multiobjective optimization of Nd:YAG direct laser writing of microchannels for microfluidic applications. International Journal of Advanced Manufacturing Technology, 2015, 81, 1363-1377.	1.5	7
164	Virtual Assembly of an Airplane Turbine Engine. IFAC-PapersOnLine, 2015, 48, 1726-1731.	0.5	12
165	An automatic fixture modeling system using search strategy. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 2165-2179.	1.5	5
166	Assessment of Direct Laser Writing using Nd YAG Lasers for Microfluidic Applications. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2015, 5, 44-58.	0.3	0
167	Digital design and fabrication of customized mandible implant. , 2014, , .		7
168	CAD Issues in Additive Manufacturing. , 2014, , 375-399.		15
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170	Multi-objective optimization of oblique turning operations using finite element model and genetic algorithm. International Journal of Advanced Manufacturing Technology, 2014, 71, 593-603.	1.5	14
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