

Konstantinos Salonitis

List of Publications by Year in descending order

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198
papers

5,485
citations

76196

40
h-index

110170

64
g-index

217
all docs

217
docs citations

217
times ranked

4354
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct digital manufacturing: definition, evolution, and sustainability implications. <i>Journal of Cleaner Production</i> , 2015, 107, 615-625.	4.6	349
2	Simulation of metallic powder bed additive manufacturing processes with the finite element method: A critical review. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2017, 231, 96-117.	1.5	222
3	A Comparative Study of Multiple-Criteria Decision-Making Methods under Stochastic Inputs. <i>Energies</i> , 2016, 9, 566.	1.6	191
4	Thermal modeling of the material removal rate and surface roughness for die-sinking EDM. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 40, 316-323.	1.5	165
5	Digitisation and the Circular Economy: A Review of Current Research and Future Trends. <i>Energies</i> , 2018, 11, 3009.	1.6	143
6	The Russia-Ukraine Conflict: Its Implications for the Global Food Supply Chains. <i>Foods</i> , 2022, 11, 2098.	1.9	138
7	Energy Efficient Manufacturing from Machine Tools to Manufacturing Systems. <i>Procedia CIRP</i> , 2013, 7, 634-639.	1.0	133
8	An investigation of quality in CO2 laser cutting of aluminum. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2009, 2, 61-69.	2.3	108
9	A theoretical and experimental investigation on limitations of pulsed laser drilling. <i>Journal of Materials Processing Technology</i> , 2007, 183, 96-103.	3.1	100
10	Multifunctional materials: engineering applications and processing challenges. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 49, 803-826.	1.5	100
11	Modularity concepts for the automotive industry: A critical review. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2009, 1, 148-152.	2.3	89
12	Manufacturing in the Time of COVID-19: An Assessment of Barriers and Enablers. <i>IEEE Engineering Management Review</i> , 2020, 48, 167-175.	1.0	87
13	Key parameters controlling surface quality and dimensional accuracy: a critical review of FFF process. <i>Materials and Manufacturing Processes</i> , 2022, 37, 963-984.	2.7	83
14	Drivers and Barriers of Lean Implementation in the Greek Manufacturing Sector. <i>Procedia CIRP</i> , 2016, 57, 189-194.	1.0	80
15	Additive manufacturing and post-processing simulation: laser cladding followed by high speed machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 85, 2401-2411.	1.5	79
16	The Role of Leadership in Implementing Lean Manufacturing. <i>Procedia CIRP</i> , 2017, 63, 756-761.	1.0	78
17	Food Logistics 4.0: Opportunities and Challenges. <i>Logistics</i> , 2021, 5, 2.	2.4	78
18	Lean-Green Manufacturing Practices and Their Link with Sustainability: A Critical Review. <i>Sustainability</i> , 2020, 12, 981.	1.6	76

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19	An analytical model of the laser clad geometry. International Journal of Advanced Manufacturing Technology, 2007, 32, 34-41.	1.5	75
20	Investigation of the effects of main roll-forming process parameters on quality for a V-section profile from AHSS. International Journal of Advanced Manufacturing Technology, 2009, 44, 223-237.	1.5	75
21	Experimental Investigation of the Plasma Arc Cutting Process. Procedia CIRP, 2012, 3, 287-292.	1.0	73
22	Lean Implementation Frameworks: The Challenges for SMEs. Procedia CIRP, 2017, 63, 750-755.	1.0	70
23	Sustainability Assessment for Manufacturing Operations. Energies, 2020, 13, 2730.	1.6	64
24	Multi-Objective Optimization of Energy Consumption and Surface Quality in Nanofluid SQCL Assisted Face Milling. Energies, 2019, 12, 710.	1.6	63
25	Optimization of roll forming process parameters—a semi-empirical approach. International Journal of Advanced Manufacturing Technology, 2010, 47, 1041-1052.	1.5	61
26	Reliability assessment of cutting tool life based on surrogate approximation methods. International Journal of Advanced Manufacturing Technology, 2014, 71, 1197-1208.	1.5	60
27	An Empirical Study of the Energy Consumption in Automotive Assembly. Procedia CIRP, 2012, 3, 477-482.	1.0	59
28	Design for additive manufacturing based on the axiomatic design method. International Journal of Advanced Manufacturing Technology, 2016, 87, 989-996.	1.5	58
29	Redesign Optimization for Manufacturing Using Additive Layer Techniques. Procedia CIRP, 2015, 36, 193-198.	1.0	57
30	Sustainable Production in a Circular Economy: A Business Model for Re-Distributed Manufacturing. Sustainability, 2019, 11, 4291.	1.6	57
31	Investigation of the effect of roll forming pass design on main redundant deformations on profiles from AHSS. International Journal of Advanced Manufacturing Technology, 2011, 56, 475-491.	1.5	52
32	The Challenges for Energy Efficient Casting Processes. Procedia CIRP, 2016, 40, 24-29.	1.0	52
33	Empirical Estimation of Grinding Specific Forces and Energy Based on a Modified Werner Grinding Model. Procedia CIRP, 2013, 8, 287-292.	1.0	51
34	The Implementation of 5S Lean Tool Using System Dynamics Approach. Procedia CIRP, 2017, 60, 380-385.	1.0	51
35	Improving Changeover Time: A Tailored SMED Approach for Welding Cells. Procedia CIRP, 2013, 7, 598-603.	1.0	50
36	Energy Efficiency Assessment of Laser Drilling Process. Physics Procedia, 2012, 39, 776-783.	1.2	49

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37	Design of Sustainable Product Life Cycles. , 2009, , .		49
38	Assessing the leanness of a supply chain using multi-grade fuzzy logic: a health-care case study. International Journal of Lean Six Sigma, 2019, 10, 81-105.	2.4	48
39	Grinding wheel effect in the grind-hardening process. International Journal of Advanced Manufacturing Technology, 2008, 38, 48-58.	1.5	46
40	A review on the progress and challenges of binder jet 3D printing of sand moulds for advanced casting. Additive Manufacturing, 2021, 40, 101889.	1.7	45
41	Improvements in energy consumption and environmental impact by novel single shot melting process for casting. Journal of Cleaner Production, 2016, 137, 1532-1542.	4.6	44
42	Quality Performance Evaluation of Thin Walled PLA 3D Printed Parts Using the Taguchi Method and Grey Relational Analysis. Journal of Manufacturing and Materials Processing, 2020, 4, 47.	1.0	44
43	Numerical Simulation of Material Strength Deterioration due to Pitting Corrosion. Procedia CIRP, 2014, 13, 230-236.	1.0	41
44	Experimental and numerical study of grind-hardening-induced residual stresses on AISI 1045 Steel. International Journal of Advanced Manufacturing Technology, 2015, 79, 1443-1452.	1.5	40
45	Modelling of Part Distortion Due to Residual Stresses Relaxation: An aerOnautical Case Study. Procedia CIRP, 2015, 31, 447-452.	1.0	37
46	On optical design limitations of generalized two-mirror remote beam delivery laser systems: the case of remote welding. International Journal of Advanced Manufacturing Technology, 2007, 32, 932-941.	1.5	36
47	An Analytical, Numerical, and Experimental Approach to Grind Hardening. Journal of Manufacturing Processes, 2005, 7, 1-9.	2.8	35
48	Cooling in grind-hardening operations. International Journal of Advanced Manufacturing Technology, 2007, 33, 285-297.	1.5	35
49	External grind-hardening forces modelling and experimentation. International Journal of Advanced Manufacturing Technology, 2014, 70, 523-530.	1.5	34
50	Variation Modeling of Lean Manufacturing Performance Using Fuzzy Logic Based Quantitative Lean Index. Procedia CIRP, 2016, 41, 608-613.	1.0	34
51	On the energy efficiency of pre-heating methods in SLM/SLS processes. International Journal of Advanced Manufacturing Technology, 2018, 95, 1325-1338.	1.5	34
52	Life-Cycle and Energy Assessment of Automotive Component Manufacturing: The Dilemma Between Aluminum and Cast Iron. Energies, 2019, 12, 2557.	1.6	33
53	A conceptual lean implementation framework based on change management theory. Procedia CIRP, 2018, 72, 1160-1165.	1.0	31
54	Energy efficiency of cold roll forming process. International Journal of Advanced Manufacturing Technology, 2013, 66, 1271-1284.	1.5	30

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55	Stereolithography. , 2014, , 19-67.		30
56	Nanomanufacturing processes: a critical review. International Journal of Materials and Product Technology, 2004, 21, 331.	0.1	29
57	A hybrid finite element analysis and evolutionary computation method for the design of lightweight lattice components with optimized strut diameter. International Journal of Advanced Manufacturing Technology, 2017, 90, 2689-2701.	1.5	29
58	CO2 laser butt-welding of steel sandwich sheet composites. International Journal of Advanced Manufacturing Technology, 2013, 69, 245-256.	1.5	28
59	Energy efficiency assessment of grinding strategy. International Journal of Energy Sector Management, 2015, 9, 20-37.	1.2	28
60	Manufacturing System Lean Improvement Design Using Discrete Event Simulation. Procedia CIRP, 2016, 57, 195-200.	1.0	27
61	Theoretical and experimental investigation of pulsed laser grooving process. International Journal of Advanced Manufacturing Technology, 2009, 44, 114-124.	1.5	26
62	Fractal roughness effects on nanoscale grinding. Applied Surface Science, 2019, 467-468, 309-319.	3.1	26
63	Automatically weighted high-resolution mapping of multi-criteria decision analysis for sustainable manufacturing systems. Journal of Cleaner Production, 2020, 257, 120272.	4.6	26
64	A Lean Assessment Tool Based on Systems Dynamics. Procedia CIRP, 2016, 50, 106-111.	1.0	25
65	A triple bottom line examination of product cannibalisation and remanufacturing: A review and research agenda. Sustainable Production and Consumption, 2021, 27, 958-974.	5.7	25
66	Decommissioning vs. repowering of offshore wind farmsâ€™a techno-economic assessment. International Journal of Advanced Manufacturing Technology, 2021, 112, 2519-2532.	1.5	25
67	Experimental and theoretical investigation of the ablation mechanisms during femtosecond laser machining. International Journal of Nanomanufacturing, 2010, 6, 55.	0.3	24
68	On the Integration of the CAx Systems Towards Sustainable Production. Procedia CIRP, 2013, 9, 115-120.	1.0	24
69	Lean Assessment Tool for Workstation Design of Assembly Lines. Procedia CIRP, 2017, 60, 386-391.	1.0	23
70	Lean manufacturing, leadership and employees: the case of UAE SME manufacturing companies. Production and Manufacturing Research, 2020, 8, 222-243.	0.9	23
71	Food 4.0: Implementation of the Augmented Reality Systems in the Food Industry. Procedia CIRP, 2021, 104, 1137-1142.	1.0	23
72	Reliability Assessment of Cutting Tools Life based on Advanced Approximation Methods. Procedia CIRP, 2013, 8, 397-402.	1.0	22

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73	Comparative Study of Structural Reliability Assessment Methods for Offshore Wind Turbine Jacket Support Structures. Applied Sciences (Switzerland), 2020, 10, 860.	1.3	22
74	Thermal analysis of grind-hardening process. International Journal of Manufacturing Technology and Management, 2007, 12, 72.	0.1	21
75	Modular design for increasing assembly automation. CIRP Annals - Manufacturing Technology, 2014, 63, 189-192.	1.7	21
76	Energy and material efficiency metrics in foundries. Procedia Manufacturing, 2018, 21, 421-428.	1.9	21
77	Large-Scale Molecular Dynamics Simulations of Homogeneous Nucleation of Pure Aluminium. Metals, 2019, 9, 1217.	1.0	21
78	Optical emissions for monitoring of the percussion laser drilling process. International Journal of Advanced Manufacturing Technology, 2010, 46, 589-603.	1.5	20
79	The Carbon Footprint of Manufacturing Digitalization: critical literature review and future research agenda. Procedia CIRP, 2019, 81, 1354-1359.	1.0	20
80	Operational Excellence Assessment Framework for Manufacturing Companies. Procedia CIRP, 2016, 55, 272-277.	1.0	19
81	Improving the Efficacy of the Lean Index through the Quantification of Qualitative Lean Metrics. Procedia CIRP, 2015, 37, 42-47.	1.0	18
82	The Development of a Tool to Promote Sustainability in Casting Processes. Procedia CIRP, 2016, 55, 53-58.	1.0	18
83	A Generalised Approach on Kerf Geometry Prediction during CO2 Laser cut of PMMA Thin Plates using Neural Networks. Lasers in Manufacturing and Materials Processing, 2021, 8, 372-393.	1.2	18
84	Hybrid simulation modelling of the human-production process interface in lean manufacturing systems. International Journal of Lean Six Sigma, 2019, 10, 665-690.	2.4	17
85	Grain size effects on nanocutting behaviour modelling based on molecular dynamics simulations. Applied Surface Science, 2021, 540, 148291.	3.1	17
86	Sustainability metrics for rapid manufacturing of the sand casting moulds: A multi-criteria decision-making algorithm-based approach. Journal of Cleaner Production, 2021, 311, 127506.	4.6	17
87	Robust optimization of the energy efficiency of the cold roll forming process. International Journal of Advanced Manufacturing Technology, 2013, 69, 461-481.	1.5	16
88	On Surface Grind Hardening Induced Residual Stresses. Procedia CIRP, 2014, 13, 264-269.	1.0	16
89	Modelling manufacturing employees' performance based on a system dynamics approach. Procedia CIRP, 2018, 72, 438-443.	1.0	16
90	Heat transfer across a fractal surface. Journal of Chemical Physics, 2019, 151, 134705.	1.2	16

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91	Multifunctional Materials Used in Automotive Industry: A Critical Review. , 2009, , 59-70.		15
92	Finite element modeling of penetration laser welding of sandwich materials. Physics Procedia, 2010, 5, 327-335.	1.2	15
93	Parametric Modelling and Multi-Objective Optimization of Electro Discharge Machining Process Parameters for Sustainable Production. Energies, 2020, 13, 38.	1.6	15
94	Socio-economic and demographic factors that contribute to the growth of the civil aviation industry. Procedia Manufacturing, 2018, 19, 2-9.	1.9	14
95	Contact stiffness effects on nanoscale high-speed grinding: A molecular dynamics approach. Applied Surface Science, 2019, 493, 212-224.	3.1	14
96	Theoretical Assessment of Different Ultrasonic Configurations for Delamination Defects Detection in Composite Components. Procedia CIRP, 2017, 59, 29-34.	1.0	13
97	Management Tool Design for Eco-efficiency Improvements in Manufacturing “ A Case Study. Procedia CIRP, 2017, 60, 500-505.	1.0	13
98	A System Dynamics Model of Employees’™ Performance. Sustainability, 2020, 12, 6511.	1.6	13
99	Environmental impact of ship hull repair. International Journal of Sustainable Manufacturing, 2009, 1, 361.	0.3	12
100	Factory Eco-Efficiency Modelling: Framework Application and Analysis. Procedia CIRP, 2016, 40, 214-219.	1.0	12
101	Force-based reliability estimation of remaining cutting tool life in titanium milling. International Journal of Advanced Manufacturing Technology, 2020, 106, 3321-3333.	1.5	12
102	Numerical Simulation and Evaluation of Campbell Running and Gating Systems. Metals, 2020, 10, 68.	1.0	12
103	Overview of 3D laser materials processing concepts. , 2003, 5131, 224.		11
104	Simulation Based Energy and Resource Efficient Casting Process Chain Selection: A Case Study. Procedia Manufacturing, 2017, 8, 67-74.	1.9	11
105	The application of a hybrid simulation modelling framework as a decision-making tool for TPM improvement. Journal of Quality in Maintenance Engineering, 2019, 25, 476-498.	1.0	11
106	The Impact of Process Parameters on Surface Roughness and Dimensional Accuracy during CO2 Laser Cutting of PMMA Thin Sheets. Journal of Manufacturing and Materials Processing, 2021, 5, 74.	1.0	11
107	A Deep Reinforcement Learning Based Scheduling Policy for Reconfigurable Manufacturing Systems. Procedia CIRP, 2021, 103, 1-7.	1.0	11
108	Using Industry 4.0 Capabilities for Identifying and Eliminating Lean Wastes. Procedia CIRP, 2022, 107, 21-27.	1.0	11

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109	A hybrid cellular automata-finite element model for the simulation of the grind-hardening process. International Journal of Advanced Manufacturing Technology, 2017, 93, 4007-4013.	1.5	10
110	A framework for implementing lean principles in the supply chain management at health-care organizations. International Journal of Lean Six Sigma, 2019, 11, 463-492.	2.4	10
111	Study of the mechanism of friction on functionally active tribological Polyvinyl Chloride (PVC) "Aggregate composite surfaces. Tribology International, 2020, 141, 105906.	3.0	10
112	A framework for designing data pipelines for manufacturing systems. Procedia CIRP, 2020, 93, 724-729.	1.0	10
113	Digital Manufacturing for Foundries 4.0. Minerals, Metals and Materials Series, 2020, , 1019-1025.	0.3	10
114	Business Process Re-Engineering to Digitalise Quality Control Checks for Reducing Physical Waste and Resource Use in a Food Company. Sustainability, 2021, 13, 12341.	1.6	10
115	Design Optimisation of the Feeding System of a Novel Counter-Gravity Casting Process. Metals, 2018, 8, 817.	1.0	9
116	Analysis of lean manufacturing strategy using system dynamics modelling of a business model. International Journal of Lean Six Sigma, 2019, ahead-of-print, .	2.4	9
117	Automated assembly of Li-ion vehicle batteries: A feasibility study. Procedia CIRP, 2020, 93, 131-136.	1.0	9
118	Towards a simulation-based understanding of smart remanufacturing operations: a comparative analysis. Journal of Remanufacturing, 0, , 1.	1.6	9
119	Supply chain environmental and social sustainability practice diffusion: Bibliometrics, content analysis and conceptual framework. Corporate Social Responsibility and Environmental Management, 2021, 28, 1870-1890.	5.0	9
120	A Decision-Making Framework for the Implementation of Remanufacturing in Rechargeable Energy Storage System in Hybrid and Electric Vehicles. Procedia Manufacturing, 2018, 25, 142-153.	1.9	8
121	Redistributed manufacturing of spare parts: an agent-based modelling approach. Procedia CIRP, 2019, 81, 707-712.	1.0	8
122	Factory Eco-Efficiency Modelling: Data Granularity and Performance Indicators. Procedia Manufacturing, 2017, 8, 479-486.	1.9	7
123	Leanness Assessment Tools and Frameworks. Management and Industrial Engineering, 2018, , 1-37.	0.3	7
124	A Systems Dynamics Enabled Real-Time Efficiency for Fuel Cell Data-Driven Remanufacturing. Journal of Manufacturing and Materials Processing, 2018, 2, 77.	1.0	7
125	Approach to Value Stream Mapping for Make-To-Order Manufacturing. Procedia CIRP, 2020, 93, 826-831.	1.0	7
126	Improving the Curing Cycle Time through the Numerical Modeling of air Flow in Industrial Continuous Convection Ovens. Procedia CIRP, 2017, 63, 499-504.	1.0	6

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127	Experimental Investigation of Productivity, Specific Energy Consumption, and Hole Quality in Single-Pulse, Percussion, and Trepanning Drilling of IN 718 Superalloy. <i>Energies</i> , 2019, 12, 4610.	1.6	6
128	Investigation of the Subsurface Temperature Effects on Nanocutting Processes via Molecular Dynamics Simulations. <i>Metals</i> , 2020, 10, 1220.	1.0	6
129	Sustainability-Based Evaluation of Casting Gating Systems: a Multi-Criteria Decision-Making Approach. <i>Procedia Manufacturing</i> , 2020, 43, 704-711.	1.9	6
130	An approach to airline MRO operators planning and scheduling during aircraft line maintenance checks using discrete event simulation. <i>Procedia Manufacturing</i> , 2021, 54, 160-165.	1.9	6
131	Critical success factors for improving learning management systems diffusion in KSA HEIs: An ISM approach. <i>Education and Information Technologies</i> , 2022, 27, 1105-1131.	3.5	6
132	Process of Laser Machining. , 2015, , 1601-1628.		6
133	Process of Laser Machining. , 2013, , 1-25.		6
134	Energy-Efficient Casting Processes. <i>Materials Forming, Machining and Tribology</i> , 2019, , 77-98.	0.7	6
135	Reconfigurable Manufacturing Systems Characteristics in Digital Twin Context. <i>IFAC-PapersOnLine</i> , 2020, 53, 10585-10590.	0.5	6
136	A decision support tool for the energy efficient selection of process plans. <i>International Journal of Mechatronics and Manufacturing Systems</i> , 2015, 8, 63.	0.1	5
137	The effect of operational policies on production systems robustness: an aerospace case study. <i>Procedia CIRP</i> , 2019, 81, 1337-1341.	1.0	5
138	Impact of process parameters on dimensional accuracy of PolyJet 3D printed parts using grey Taguchi method. <i>MATEC Web of Conferences</i> , 2020, 318, 01015.	0.1	5
139	Supply chain control towers: Technology push or market pull? An assessment tool. <i>IET Collaborative Intelligent Manufacturing</i> , 2021, 3, 290-302.	1.9	5
140	Design of emergency response manufacturing networks: a decision-making framework. <i>Procedia CIRP</i> , 2021, 96, 151-156.	1.0	5
141	Roll Forming of AHSS: Numerical Simulation and Investigation of Effects of Main Process Parameters on Quality. , 2009, , 327-336.		5
142	Reconfigurable manufacturing system scheduling: a deep reinforcement learning approach. <i>Procedia CIRP</i> , 2022, 107, 1198-1203.	1.0	5
143	Laser machining modeling and experimentation: an overview. , 2003, 5131, 158.		4
144	Nanotechnology for the needs of the automotive industry. <i>International Journal of Nanomanufacturing</i> , 2010, 6, 99.	0.3	4

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145	Grind-Hardening State-of-the-Art. SpringerBriefs in Applied Sciences and Technology, 2015, , 13-31.	0.2	4
146	Energy Efficiency of Metallic Powder Bed Additive Manufacturing Processes. Environmental Footprints and Eco-design of Products and Processes, 2016, , 1-29.	0.7	4
147	Resource Efficiency Analysis of High Pressure Die Casting Process. Minerals, Metals and Materials Series, 2018, , 1041-1047.	0.3	4
148	Assessment of an emerging aerospace manufacturing cluster and its dependence on the mature global clusters. Procedia Manufacturing, 2018, 19, 26-33.	1.9	4
149	Sand casting of sheet lead: numerical simulation of metal flow and solidification. International Journal of Advanced Manufacturing Technology, 2020, 106, 177-189.	1.5	4
150	Optimisation of the filling process in counter-gravity casting. IOP Conference Series: Materials Science and Engineering, 2020, 861, 012031.	0.3	4
151	An integrated analysis of productivity, hole quality and cost estimation of single-pulse laser drilling process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 2273-2287.	1.5	4
152	Minimising Defect Formation in Sand Casting of Sheet Lead: A DoE Approach. Metals, 2020, 10, 252.	1.0	4
153	Analysing the evolution of aerospace ecosystem development. PLoS ONE, 2020, 15, e0231985.	1.1	4
154	Design of redistributed manufacturing networks: a model-based decision-making framework. International Journal of Computer Integrated Manufacturing, 2021, 34, 1011-1030.	2.9	4
155	Environmental Impact Assessment of Different Strategies for the Remanufacturing of User Electronics. Energies, 2022, 15, 2376.	1.6	4
156	Characterisation of Lead Sheet Manufactured Using Traditional Sand-Casting Technique. Minerals, Metals and Materials Series, 2019, , 283-292.	0.3	3
157	Multi-criteria decision-making for the life cycle of sustainable high pressure die casting products. International Journal of Sustainable Manufacturing, 2020, 4, 101.	0.3	3
158	Selective Laser Sintering Induced Residual Stresses: Precision Measurement and Prediction. Journal of Manufacturing and Materials Processing, 2021, 5, 101.	1.0	3
159	Remanufacturing and refurbishment in the age of Industry 4.0: an integrated research agenda. , 2021, , 87-107.		3
160	Residual stresses field estimation based on deformation force data using Gaussian Process Latent Variable Model. Procedia Manufacturing, 2021, 54, 279-283.	1.9	3
161	The transition to environmentally sustainable production: a roadmap timeline methodology. Procedia CIRP, 2021, 103, 79-84.	1.0	3
162	Life-cycle-Assessment of Cast Stone Manufacturing: A Case Study. Procedia CIRP, 2021, 104, 624-629.	1.0	3

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163	Energy efficiency of laser based manufacturing processes. , 2009, , .		2
164	Road-Mapping Towards a Sustainable Lower Energy Foundry. Smart Innovation, Systems and Technologies, 2016, , 251-260.	0.5	2
165	Evaluating state of information systems failure in developing countries using ITPOSMO model. , 2017, , .		2
166	Energy Efficiency of Manufacturing Processes and Systems”An Introduction. Energies, 2020, 13, 2885.	1.6	2
167	Prioritized Solutions for Overcoming Barriers When Implementing Lean in the Healthcare Supply Chain: A Saudi Perspective. Logistics, 2021, 5, 9.	2.4	2
168	CO2 laser welding of AHSS. , 2009, , .		2
169	The productivity impact of the digitally connected 5 “ layer stack in manufacturing enterprises. Procedia CIRP, 2021, 104, 342-350.	1.0	2
170	Grind-Hardening Process Modelling. SpringerBriefs in Applied Sciences and Technology, 2015, , 33-80.	0.2	1
171	Molecular Dynamics Simulations of the Solidification of Pure Aluminium. Minerals, Metals and Materials Series, 2020, , 158-167.	0.3	1
172	Scheduling Challenges within Maintenance Repair and Overhaul Operations in the Civil Aviation Sector. SSRN Electronic Journal, 0, , .	0.4	1
173	Carbon Nanotubes and Graphene Radiant Heater Printed on a Cementitious Flooring Substrate: A Feasibility Study. SSRN Electronic Journal, 0, , .	0.4	1
174	A decision-making framework for the design of local production networks under largescale disruptions. Procedia Manufacturing, 2021, 55, 393-400.	1.9	1
175	A Multi-Level Analysis of the Implementation of Industrial Internet of Things: Challenges and Future Prospects. SSRN Electronic Journal, 0, , .	0.4	1
176	Acoustic and optical sensing for monitoring of blind laser drilling geometrical features. , 2009, , .		0
177	Schedule performance measurement based on statistical process control charts. Journal of Evidence-Based Medicine, 2014, 4, 194.	0.7	0
178	Quantitative reliability assessment based design of a medical fluid management system. International Journal of Design Engineering, 2015, 6, 91.	0.3	0
179	Hybrid Processes for Surface Modification and the Grind-Hardening Process. SpringerBriefs in Applied Sciences and Technology, 2015, , 1-11.	0.2	0
180	Concluding Remarks and Outlook. SpringerBriefs in Applied Sciences and Technology, 2015, , 93-95.	0.2	0

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181	APPLICATION OF HYBRID SIMULATION MODELLING FOR THE IMPLEMENTATION OF JOB ROTATION IN A FEEDMILL. , 2018, , .		0
182	A comparative analysis of quantitative-based methods used for lean index assessment. Journal of Evidence-Based Medicine, 2018, 6, 186.	0.7	0
183	Atomistic Modelling of Nanocutting Processes. Materials Forming, Machining and Tribology, 2021, , 195-220.	0.7	0
184	Laser Drilling of Superalloys and Composites. Springer Series in Advanced Manufacturing, 2021, , 105-135.	0.2	0
185	Modelling sources of operational noise in production systems. Procedia Manufacturing, 2021, 54, 95-99.	1.9	0
186	Key Enablers for the Evolution of Aerospace Ecosystems. Journal of Aerospace Technology and Management, 0, 13, .	0.3	0
187	An ISM Analysis of the Critical Success Factors in ERP Implementation. Advances in Transdisciplinary Engineering, 2021, , .	0.1	0
188	Oxide Ceramic Matrix Composite Materials for Aero-Engine Applications: A Literature Review. Advances in Transdisciplinary Engineering, 2021, , .	0.1	0
189	Roll Forming. , 2014, , 1076-1079.		0
190	Specific Energy. , 2014, , 1124-1128.		0
191	Grind-Hardening. , 2017, , 1-5.		0
192	Specific Energy. , 2018, , 1-4.		0
193	A Computational Framework Towards Energy Efficient Casting Processes. Smart Innovation, Systems and Technologies, 2019, , 263-276.	0.5	0
194	Manufacturing Data for the Implementation of Data-Driven Remanufacturing for the Rechargeable Energy Storage System in Electric Vehicles. Smart Innovation, Systems and Technologies, 2019, , 277-289.	0.5	0
195	Grind-Hardening. , 2019, , 792-795.		0
196	Specific Energy. , 2019, , 1583-1586.		0
197	Roll-Forming. , 2019, , 1484-1489.		0
198	Methodology to Identify and Quantify Sources of Process Scrap on Shop Floor. SSRN Electronic Journal, 0, , .	0.4	0