

# Konstantinos Salonitis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7688314/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	Environmental Impact Assessment of Different Strategies for the Remanufacturing of User Electronics. <i>Energies</i> , 2022, 15, 2376.	1.6	4
4	Using Industry 4.0 Capabilities for Identifying and Eliminating Lean Wastes. <i>Procedia CIRP</i> , 2022, 107, 21-27.	1.0	11
5	Reconfigurable manufacturing system scheduling: a deep reinforcement learning approach. <i>Procedia CIRP</i> , 2022, 107, 1198-1203.	1.0	5
6	The Russia-Ukraine Conflict: Its Implications for the Global Food Supply Chains. <i>Foods</i> , 2022, 11, 2098.	1.9	138
7	An integrated analysis of productivity, hole quality and cost estimation of single-pulse laser drilling process. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2021, 235, 2273-2287.	1.5	4
8	Grain size effects on nanocutting behaviour modelling based on molecular dynamics simulations. <i>Applied Surface Science</i> , 2021, 540, 148291.	3.1	17
9	Atomistic Modelling of Nanocutting Processes. <i>Materials Forming, Machining and Tribology</i> , 2021, , 195-220.	0.7	0
10	Laser Drilling of Superalloys and Composites. <i>Springer Series in Advanced Manufacturing</i> , 2021, , 105-135.	0.2	0
11	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
12	Modelling sources of operational noise in production systems. <i>Procedia Manufacturing</i> , 2021, 54, 95-99.	1.9	0
13	Prioritized Solutions for Overcoming Barriers When Implementing Lean in the Healthcare Supply Chain: A Saudi Perspective. <i>Logistics</i> , 2021, 5, 9.	2.4	2
14	A review on the progress and challenges of binder jet 3D printing of sand moulds for advanced casting. <i>Additive Manufacturing</i> , 2021, 40, 101889.	1.7	45
15	A triple bottom line examination of product cannibalisation and remanufacturing: A review and research agenda. <i>Sustainable Production and Consumption</i> , 2021, 27, 958-974.	5.7	25
16	Supply chain environmental and social sustainability practice diffusion: Bibliometrics, content analysis and conceptual framework. <i>Corporate Social Responsibility and Environmental Management</i> , 2021, 28, 1870-1890.	5.0	9
17	The Impact of Process Parameters on Surface Roughness and Dimensional Accuracy during CO <sub>2</sub> Laser Cutting of PMMA Thin Sheets. <i>Journal of Manufacturing and Materials Processing</i> , 2021, 5, 74.	1.0	11
18	Sustainability metrics for rapid manufacturing of the sand casting moulds: A multi-criteria decision-making algorithm-based approach. <i>Journal of Cleaner Production</i> , 2021, 311, 127506.	4.6	17

#	ARTICLE	IF	CITATIONS
19	An ISM Analysis of the Critical Success Factors in ERP Implementation. <i>Advances in Transdisciplinary Engineering</i> , 2021, , .	0.1	0
20	A Generalised Approach on Kerf Geometry Prediction during CO2 Laser cut of PMMA Thin Plates using Neural Networks. <i>Lasers in Manufacturing and Materials Processing</i> , 2021, 8, 372-393.	1.2	18
21	Design of redistributed manufacturing networks: a model-based decision-making framework. <i>International Journal of Computer Integrated Manufacturing</i> , 2021, 34, 1011-1030.	2.9	4
22	Oxide Ceramic Matrix Composite Materials for Aero-Engine Applications: A Literature Review. <i>Advances in Transdisciplinary Engineering</i> , 2021, , .	0.1	0
23	Selective Laser Sintering Induced Residual Stresses: Precision Measurement and Prediction. <i>Journal of Manufacturing and Materials Processing</i> , 2021, 5, 101.	1.0	3
24	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
25	Remanufacturing and refurbishment in the age of Industry 4.0: an integrated research agenda. , 2021, , 87-107.		3
26	Residual stresses field estimation based on deformation force data using Gaussian Process Latent Variable Model. <i>Procedia Manufacturing</i> , 2021, 54, 279-283.	1.9	3
27	Design of emergency response manufacturing networks: a decision-making framework. <i>Procedia CIRP</i> , 2021, 96, 151-156.	1.0	5
28	Decommissioning vs. repowering of offshore wind farms? a techno-economic assessment. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 2519-2532.	1.5	25
29	Food Logistics 4.0: Opportunities and Challenges. <i>Logistics</i> , 2021, 5, 2.	2.4	78
30	A Deep Reinforcement Learning Based Scheduling Policy for Reconfigurable Manufacturing Systems. <i>Procedia CIRP</i> , 2021, 103, 1-7.	1.0	11
31	The transition to environmentally sustainable production: a roadmap timeline methodology. <i>Procedia CIRP</i> , 2021, 103, 79-84.	1.0	3
32	A decision-making framework for the design of local production networks under largescale disruptions. <i>Procedia Manufacturing</i> , 2021, 55, 393-400.	1.9	1
33	Life-cycle-Assessment of Cast Stone Manufacturing: A Case Study. <i>Procedia CIRP</i> , 2021, 104, 624-629.	1.0	3
34	The productivity impact of the digitally connected 5 ? layer stack in manufacturing enterprises. <i>Procedia CIRP</i> , 2021, 104, 342-350.	1.0	2
35	Business Process Re-Engineering to Digitalise Quality Control Checks for Reducing Physical Waste and Resource Use in a Food Company. <i>Sustainability</i> , 2021, 13, 12341.	1.6	10
36	Food 4.0: Implementation of the Augmented Reality Systems in the Food Industry. <i>Procedia CIRP</i> , 2021, 104, 1137-1142.	1.0	23

#	ARTICLE	IF	CITATIONS
37	Study of the mechanism of friction on functionally active tribological Polyvinyl Chloride (PVC) "Aggregate composite surfaces. Tribology International, 2020, 141, 105906.	3.0	10
38	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
39	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
40	Parametric Modelling and Multi-Objective Optimization of Electro Discharge Machining Process Parameters for Sustainable Production. Energies, 2020, 13, 38.	1.6	15
41	Investigation of the Subsurface Temperature Effects on Nanocutting Processes via Molecular Dynamics Simulations. Metals, 2020, 10, 1220.	1.0	6
42	A framework for designing data pipelines for manufacturing systems. Procedia CIRP, 2020, 93, 724-729.	1.0	10
43	Approach to Value Stream Mapping for Make-To-Order Manufacturing. Procedia CIRP, 2020, 93, 826-831.	1.0	7
44	Automated assembly of Li-ion vehicle batteries: A feasibility study. Procedia CIRP, 2020, 93, 131-136.	1.0	9
45	Automatically weighted high-resolution mapping of multi-criteria decision analysis for sustainable manufacturing systems. Journal of Cleaner Production, 2020, 257, 120272.	4.6	26
46	Lean manufacturing, leadership and employees: the case of UAE SME manufacturing companies. Production and Manufacturing Research, 2020, 8, 222-243.	0.9	23
47	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
48	Optimisation of the filling process in counter-gravity casting. IOP Conference Series: Materials Science and Engineering, 2020, 861, 012031.	0.3	4
49	Impact of process parameters on dimensional accuracy of PolyJet 3D printed parts using grey Taguchi method. MATEC Web of Conferences, 2020, 318, 01015.	0.1	5
50	A System Dynamics Model of Employees' Performance. Sustainability, 2020, 12, 6511.	1.6	13
51	Manufacturing in the Time of COVID-19: An Assessment of Barriers and Enablers. IEEE Engineering Management Review, 2020, 48, 167-175.	1.0	87
52	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
53	Sustainability-Based Evaluation of Casting Gating Systems: a Multi-Criteria Decision-Making Approach. Procedia Manufacturing, 2020, 43, 704-711.	1.9	6
54	Sustainability Assessment for Manufacturing Operations. Energies, 2020, 13, 2730.	1.6	64

#	ARTICLE	IF	CITATIONS
55	Energy Efficiency of Manufacturing Processes and Systems – An Introduction. <i>Energies</i> , 2020, 13, 2885.	1.6	2
56	Lean-Green Manufacturing Practices and Their Link with Sustainability: A Critical Review. <i>Sustainability</i> , 2020, 12, 981.	1.6	76
57	Numerical Simulation and Evaluation of Campbell Running and Gating Systems. <i>Metals</i> , 2020, 10, 68.	1.0	12
58	Minimising Defect Formation in Sand Casting of Sheet Lead: A DoE Approach. <i>Metals</i> , 2020, 10, 252.	1.0	4
59	Comparative Study of Structural Reliability Assessment Methods for Offshore Wind Turbine Jacket Support Structures. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 860.	1.3	22
60	Analysing the evolution of aerospace ecosystem development. <i>PLoS ONE</i> , 2020, 15, e0231985.	1.1	4
61	Digital Manufacturing for Foundries 4.0. <i>Minerals, Metals and Materials Series</i> , 2020, , 1019-1025.	0.3	10
62	Molecular Dynamics Simulations of the Solidification of Pure Aluminium. <i>Minerals, Metals and Materials Series</i> , 2020, , 158-167.	0.3	1
63	Reconfigurable Manufacturing Systems Characteristics in Digital Twin Context. <i>IFAC-PapersOnLine</i> , 2020, 53, 10585-10590.	0.5	6
64	Life-Cycle and Energy Assessment of Automotive Component Manufacturing: The Dilemma Between Aluminum and Cast Iron. <i>Energies</i> , 2019, 12, 2557.	1.6	33
65	Contact stiffness effects on nanoscale high-speed grinding: A molecular dynamics approach. <i>Applied Surface Science</i> , 2019, 493, 212-224.	3.1	14
66	Heat transfer across a fractal surface. <i>Journal of Chemical Physics</i> , 2019, 151, 134705.	1.2	16
67	Sustainable Production in a Circular Economy: A Business Model for Re-Distributed Manufacturing. <i>Sustainability</i> , 2019, 11, 4291.	1.6	57
68	The effect of operational policies on production systems robustness: an aerospace case study. <i>Procedia CIRP</i> , 2019, 81, 1337-1341.	1.0	5
69	Redistributed manufacturing of spare parts: an agent-based modelling approach. <i>Procedia CIRP</i> , 2019, 81, 707-712.	1.0	8
70	The Carbon Footprint of Manufacturing Digitalization: critical literature review and future research agenda. <i>Procedia CIRP</i> , 2019, 81, 1354-1359.	1.0	20
71	Multi-Objective Optimization of Energy Consumption and Surface Quality in Nanofluid SQCL Assisted Face Milling. <i>Energies</i> , 2019, 12, 710.	1.6	63
72	Characterisation of Lead Sheet Manufactured Using Traditional Sand-Casting Technique. <i>Minerals, Metals and Materials Series</i> , 2019, , 283-292.	0.3	3

#	ARTICLE	IF	CITATIONS
73	The application of a hybrid simulation modelling framework as a decision-making tool for TPM improvement. <i>Journal of Quality in Maintenance Engineering</i> , 2019, 25, 476-498.	1.0	11
74	A framework for implementing lean principles in the supply chain management at health-care organizations. <i>International Journal of Lean Six Sigma</i> , 2019, 11, 463-492.	2.4	10
75	Analysis of lean manufacturing strategy using system dynamics modelling of a business model. <i>International Journal of Lean Six Sigma</i> , 2019, ahead-of-print, .	2.4	9
76	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
77	Large-Scale Molecular Dynamics Simulations of Homogeneous Nucleation of Pure Aluminium. <i>Metals</i> , 2019, 9, 1217.	1.0	21
78	Hybrid simulation modelling of the human-production process interface in lean manufacturing systems. <i>International Journal of Lean Six Sigma</i> , 2019, 10, 665-690.	2.4	17
79	Fractal roughness effects on nanoscale grinding. <i>Applied Surface Science</i> , 2019, 467-468, 309-319.	3.1	26
80	Assessing the leanness of a supply chain using multi-grade fuzzy logic: a health-care case study. <i>International Journal of Lean Six Sigma</i> , 2019, 10, 81-105.	2.4	48
81	Energy-Efficient Casting Processes. <i>Materials Forming, Machining and Tribology</i> , 2019, , 77-98.	0.7	6
82	A Computational Framework Towards Energy Efficient Casting Processes. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 263-276.	0.5	0
83	Manufacturing Data for the Implementation of Data-Driven Remanufacturing for the Rechargeable Energy Storage System in Electric Vehicles. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 277-289.	0.5	0
84	Grind-Hardening. , 2019, , 792-795.		0
85	Specific Energy. , 2019, , 1583-1586.		0
86	Roll-Forming. , 2019, , 1484-1489.		0
87	Resource Efficiency Analysis of High Pressure Die Casting Process. <i>Minerals, Metals and Materials Series</i> , 2018, , 1041-1047.	0.3	4
88	Leanness Assessment Tools and Frameworks. <i>Management and Industrial Engineering</i> , 2018, , 1-37.	0.3	7
89	Energy and material efficiency metrics in foundries. <i>Procedia Manufacturing</i> , 2018, 21, 421-428.	1.9	21
90	Socio-economic and demographic factors that contribute to the growth of the civil aviation industry. <i>Procedia Manufacturing</i> , 2018, 19, 2-9.	1.9	14

#	ARTICLE	IF	CITATIONS
91	Assessment of an emerging aerospace manufacturing cluster and its dependence on the mature global clusters. <i>Procedia Manufacturing</i> , 2018, 19, 26-33.	1.9	4
92	On the energy efficiency of pre-heating methods in SLM/SLS processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 1325-1338.	1.5	34
93	A Systems Dynamics Enabled Real-Time Efficiency for Fuel Cell Data-Driven Remanufacturing. <i>Journal of Manufacturing and Materials Processing</i> , 2018, 2, 77.	1.0	7
94	APPLICATION OF HYBRID SIMULATION MODELLING FOR THE IMPLEMENTATION OF JOB ROTATION IN A FEEDMILL. , 2018, , .		0
95	A conceptual lean implementation framework based on change management theory. <i>Procedia CIRP</i> , 2018, 72, 1160-1165.	1.0	31
96	Modelling manufacturing employeesâ€™ performance based on a system dynamics approach. <i>Procedia CIRP</i> , 2018, 72, 438-443.	1.0	16
97	A Decision-Making Framework for the Implementation of Remanufacturing in Rechargeable Energy Storage System in Hybrid and Electric Vehicles. <i>Procedia Manufacturing</i> , 2018, 25, 142-153.	1.9	8
98	A comparative analysis of quantitative-based methods used for lean index assessment. <i>Journal of Evidence-Based Medicine</i> , 2018, 6, 186.	0.7	0
99	Digitisation and the Circular Economy: A Review of Current Research and Future Trends. <i>Energies</i> , 2018, 11, 3009.	1.6	143
100	Design Optimisation of the Feeding System of a Novel Counter-Gravity Casting Process. <i>Metals</i> , 2018, 8, 817.	1.0	9
101	Specific Energy. , 2018, , 1-4.		0
102	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
103	Theoretical Assessment of Different Ultrasonic Configurations for Delamination Defects Detection in Composite Components. <i>Procedia CIRP</i> , 2017, 59, 29-34.	1.0	13
104	The Implementation of 5S Lean Tool Using System Dynamics Approach. <i>Procedia CIRP</i> , 2017, 60, 380-385.	1.0	51
105	Simulation Based Energy and Resource Efficient Casting Process Chain Selection: A Case Study. <i>Procedia Manufacturing</i> , 2017, 8, 67-74.	1.9	11
106	Factory Eco-Efficiency Modelling: Data Granularity and Performance Indicators. <i>Procedia Manufacturing</i> , 2017, 8, 479-486.	1.9	7
107	Improving the Curing Cycle Time through the Numerical Modeling of air Flow in Industrial Continuous Convection Ovens. <i>Procedia CIRP</i> , 2017, 63, 499-504.	1.0	6
108	Management Tool Design for Eco-efficiency Improvements in Manufacturing â€” A Case Study. <i>Procedia CIRP</i> , 2017, 60, 500-505.	1.0	13

#	ARTICLE	IF	CITATIONS
109	Lean Implementation Frameworks: The Challenges for SMEs. Procedia CIRP, 2017, 63, 750-755.	1.0	70
110	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
111	The Role of Leadership in Implementing Lean Manufacturing. Procedia CIRP, 2017, 63, 756-761.	1.0	78
112	Lean Assessment Tool for Workstation Design of Assembly Lines. Procedia CIRP, 2017, 60, 386-391.	1.0	23
113	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
114	Evaluating state of information systems failure in developing countries using ITPOSMO model. , 2017, ,		2
115	Grind-Hardening. , 2017, , 1-5.		0
116	A Comparative Study of Multiple-Criteria Decision-Making Methods under Stochastic Inputs. Energies, 2016, 9, 566.	1.6	191
117	Operational Excellence Assessment Framework for Manufacturing Companies. Procedia CIRP, 2016, 55, 272-277.	1.0	19
118	The Development of a Tool to Promote Sustainability in Casting Processes. Procedia CIRP, 2016, 55, 53-58.	1.0	18
119	Drivers and Barriers of Lean Implementation in the Greek Manufacturing Sector. Procedia CIRP, 2016, 57, 189-194.	1.0	80
120	Manufacturing System Lean Improvement Design Using Discrete Event Simulation. Procedia CIRP, 2016, 57, 195-200.	1.0	27
121	The Challenges for Energy Efficient Casting Processes. Procedia CIRP, 2016, 40, 24-29.	1.0	52
122	Energy Efficiency of Metallic Powder Bed Additive Manufacturing Processes. Environmental Footprints and Eco-design of Products and Processes, 2016, , 1-29.	0.7	4
123	Road-Mapping Towards a Sustainable Lower Energy Foundry. Smart Innovation, Systems and Technologies, 2016, , 251-260.	0.5	2
124	A Lean Assessment Tool Based on Systems Dynamics. Procedia CIRP, 2016, 50, 106-111.	1.0	25
125	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
126	Factory Eco-Efficiency Modelling: Framework Application and Analysis. Procedia CIRP, 2016, 40, 214-219.	1.0	12



#	ARTICLE	IF	CITATIONS
127	Design for additive manufacturing based on the axiomatic design method. International Journal of Advanced Manufacturing Technology, 2016, 87, 989-996.	1.5	58
128	Variation Modeling of Lean Manufacturing Performance Using Fuzzy Logic Based Quantitative Lean Index. Procedia CIRP, 2016, 41, 608-613.	1.0	34
129	Additive manufacturing and post-processing simulation: laser cladding followed by high speed machining. International Journal of Advanced Manufacturing Technology, 2016, 85, 2401-2411.	1.5	79
130	Quantitative reliability assessment based design of a medical fluid management system. International Journal of Design Engineering, 2015, 6, 91.	0.3	0
131	A decision support tool for the energy efficient selection of process plans. International Journal of Mechatronics and Manufacturing Systems, 2015, 8, 63.	0.1	5
132	Grind-Hardening State-of-the-Art. SpringerBriefs in Applied Sciences and Technology, 2015, , 13-31.	0.2	4
133	Grind-Hardening Process Modelling. SpringerBriefs in Applied Sciences and Technology, 2015, , 33-80.	0.2	1
134	Hybrid Processes for Surface Modification and the Grind-Hardening Process. SpringerBriefs in Applied Sciences and Technology, 2015, , 1-11.	0.2	0
135	Concluding Remarks and Outlook. SpringerBriefs in Applied Sciences and Technology, 2015, , 93-95.	0.2	0
136	Redesign Optimization for Manufacturing Using Additive Layer Techniques. Procedia CIRP, 2015, 36, 193-198.	1.0	57
137	Modelling of Part Distortion Due to Residual Stresses Relaxation: An aeronautical Case Study. Procedia CIRP, 2015, 31, 447-452.	1.0	37
138	Direct digital manufacturing: definition, evolution, and sustainability implications. Journal of Cleaner Production, 2015, 107, 615-625.	4.6	349
139	Energy efficiency assessment of grinding strategy. International Journal of Energy Sector Management, 2015, 9, 20-37.	1.2	28
140	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
141	Improving the Efficacy of the Lean Index through the Quantification of Qualitative Lean Metrics. Procedia CIRP, 2015, 37, 42-47.	1.0	18
142	Process of Laser Machining. , 2015, , 1601-1628.		6
143	Stereolithography. , 2014, , 19-67.		30
144	Modular design for increasing assembly automation. CIRP Annals - Manufacturing Technology, 2014, 63, 189-192.	1.7	21

#	ARTICLE	IF	CITATIONS
145	Reliability assessment of cutting tool life based on surrogate approximation methods. International Journal of Advanced Manufacturing Technology, 2014, 71, 1197-1208.	1.5	60
146	External grind-hardening forces modelling and experimentation. International Journal of Advanced Manufacturing Technology, 2014, 70, 523-530.	1.5	34
147	On Surface Grind Hardening Induced Residual Stresses. Procedia CIRP, 2014, 13, 264-269.	1.0	16
148	Numerical Simulation of Material Strength Deterioration due to Pitting Corrosion. Procedia CIRP, 2014, 13, 230-236.	1.0	41
149	Schedule performance measurement based on statistical process control charts. Journal of Evidence-Based Medicine, 2014, 4, 194.	0.7	0
150	Roll Forming. , 2014, , 1076-1079.		0
151	Specific Energy. , 2014, , 1124-1128.		0
152	Empirical Estimation of Grinding Specific Forces and Energy Based on a Modified Werner Grinding Model. Procedia CIRP, 2013, 8, 287-292.	1.0	51
153	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
154	CO2 laser butt-welding of steel sandwich sheet composites. International Journal of Advanced Manufacturing Technology, 2013, 69, 245-256.	1.5	28
155	Reliability Assessment of Cutting Tools Life based on Advanced Approximation Methods. Procedia CIRP, 2013, 8, 397-402.	1.0	22
156	Improving Changeover Time: A Tailored SMED Approach for Welding Cells. Procedia CIRP, 2013, 7, 598-603.	1.0	50
157	On the Integration of the CAx Systems Towards Sustainable Production. Procedia CIRP, 2013, 9, 115-120.	1.0	24
158	Energy Efficient Manufacturing from Machine Tools to Manufacturing Systems. Procedia CIRP, 2013, 7, 634-639.	1.0	133
159	Energy efficiency of cold roll forming process. International Journal of Advanced Manufacturing Technology, 2013, 66, 1271-1284.	1.5	30
160	Process of Laser Machining. , 2013, , 1-25.		6
161	Energy Efficiency Assessment of Laser Drilling Process. Physics Procedia, 2012, 39, 776-783.	1.2	49
162	Experimental Investigation of the Plasma Arc Cutting Process. Procedia CIRP, 2012, 3, 287-292.	1.0	73

#	ARTICLE	IF	CITATIONS
163	An Empirical Study of the Energy Consumption in Automotive Assembly. <i>Procedia CIRP</i> , 2012, 3, 477-482.	1.0	59
164	Investigation of the effect of roll forming pass design on main redundant deformations on profiles from AHSS. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 56, 475-491.	1.5	52
165	Experimental and theoretical investigation of the ablation mechanisms during femtosecond laser machining. <i>International Journal of Nanomanufacturing</i> , 2010, 6, 55.	0.3	24
166	Nanotechnology for the needs of the automotive industry. <i>International Journal of Nanomanufacturing</i> , 2010, 6, 99.	0.3	4
167	Optical emissions for monitoring of the percussion laser drilling process. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 46, 589-603.	1.5	20
168	Optimization of roll forming process parameters a semi-empirical approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 47, 1041-1052.	1.5	61
169	Multifunctional materials: engineering applications and processing challenges. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 49, 803-826.	1.5	100
170	Finite element modeling of penetration laser welding of sandwich materials. <i>Physics Procedia</i> , 2010, 5, 327-335.	1.2	15
171	Acoustic and optical sensing for monitoring of blind laser drilling geometrical features. , 2009, , .		0
172	Energy efficiency of laser based manufacturing processes. , 2009, , .		2
173	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
174	Theoretical and experimental investigation of pulsed laser grooving process. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 44, 114-124.	1.5	26
175	Investigation of the effects of main roll-forming process parameters on quality for a V-section profile from AHSS. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 44, 223-237.	1.5	75
176	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
177	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
178	Multifunctional Materials Used in Automotive Industry: A Critical Review. , 2009, , 59-70.		15
179	Environmental impact of ship hull repair. <i>International Journal of Sustainable Manufacturing</i> , 2009, 1, 361.	0.3	12
180	Roll Forming of AHSS: Numerical Simulation and Investigation of Effects of Main Process Parameters on Quality. , 2009, , 327-336.		5

#	ARTICLE	IF	CITATIONS
181	Design of Sustainable Product Life Cycles. , 2009, , .		49
182	CO2 laser welding of AHSS. , 2009, , .		2
183	Grinding wheel effect in the grind-hardening process. International Journal of Advanced Manufacturing Technology, 2008, 38, 48-58.	1.5	46
184	Thermal analysis of grind-hardening process. International Journal of Manufacturing Technology and Management, 2007, 12, 72.	0.1	21
185	A theoretical and experimental investigation on limitations of pulsed laser drilling. Journal of Materials Processing Technology, 2007, 183, 96-103.	3.1	100
186	An analytical model of the laser clad geometry. International Journal of Advanced Manufacturing Technology, 2007, 32, 34-41.	1.5	75
187	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
188	Cooling in grind-hardening operations. International Journal of Advanced Manufacturing Technology, 2007, 33, 285-297.	1.5	35
189	An Analytical, Numerical, and Experimental Approach to Grind Hardening. Journal of Manufacturing Processes, 2005, 7, 1-9.	2.8	35
190	Nanomanufacturing processes: a critical review. International Journal of Materials and Product Technology, 2004, 21, 331.	0.1	29
191	Overview of 3D laser materials processing concepts. , 2003, 5131, 224.		11
192	Laser machining modeling and experimentation: an overview. , 2003, 5131, 158.		4
193	Towards a simulation-based understanding of smart remanufacturing operations: a comparative analysis. Journal of Remanufacturing, 0, , 1.	1.6	9
194	Key Enablers for the Evolution of Aerospace Ecosystems. Journal of Aerospace Technology and Management, 0, 13, .	0.3	0
195	Scheduling Challenges within Maintenance Repair and Overhaul Operations in the Civil Aviation Sector. SSRN Electronic Journal, 0, , .	0.4	1
196	Carbon Nanotubes and Graphene Radiant Heater Printed on a Cementitious Flooring Substrate: A Feasibility Study. SSRN Electronic Journal, 0, , .	0.4	1
197	A Multi-Level Analysis of the Implementation of Industrial Internet of Things: Challenges and Future Prospects. SSRN Electronic Journal, 0, , .	0.4	1
198	Methodology to Identify and Quantify Sources of Process Scrap on Shop Floor. SSRN Electronic Journal, 0, , .	0.4	0