Chris Turner

List of Publications by Year
in descending order

65	1,905	535685	299063
papers	citations	17	42
		h-index	g-index

67	67	67	1842
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Circular production and maintenance of automotive parts: An Internet of Things (IoT) data framework and practice review. Computers in Industry, 2022, 136, 103593.	5.7	21
2	Utilizing Industry 4.0 on the Construction Site: Challenges and Opportunities. IEEE Transactions on Industrial Informatics, 2021, 17, 746-756.	7.2	114
3	Human in the Loop: Industry 4.0 Technologies and Scenarios for Worker Mediation of Automated Manufacturing. IEEE Access, 2021, 9, 103950-103966.	2.6	20
4	Distributed Manufacturing: A New Digital Framework for Sustainable Modular Construction. Sustainability, 2021, 13, 1515.	1.6	20
5	A Knowledge-Based Cognitive Architecture Supported by Machine Learning Algorithms for Interpretable Monitoring of Large-Scale Satellite Networks. Sensors, 2021, 21, 4267.	2.1	2
6	A Normal Electrocardiogram Does Not Exclude Infra-Hisian Conduction DiseaseÂin Patients With Myotonic Dystrophy Type 1. JACC: Clinical Electrophysiology, 2021, 7, 1038-1048.	1.3	8
7	Applying a fusion of wearable sensors and a cognitive inspired architecture to real-time ergonomics analysis of manual assembly tasks. Journal of Manufacturing Systems, 2021, 61, 391-405.	7.6	16
8	Using Therbligs to embed intelligence in workpieces for digital assistive assembly. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2489-2503.	3.3	11
9	Real-time discrete event simulation: a framework for an intelligent expert system approach utilising decision trees. International Journal of Advanced Manufacturing Technology, 2020, 110, 2893-2911.	1.5	9
10	A Digital Maintenance Practice Framework for Circular Production of Automotive Parts. IFAC-PapersOnLine, 2020, 53, 19-24.	0.5	9
11	Sustainable Production in a Circular Economy: A Business Model for Re-Distributed Manufacturing. Sustainability, 2019, 11, 4291.	1.6	57
12	Intelligent decision support for maintenance: an overview and future trends. International Journal of Computer Integrated Manufacturing, 2019, 32, 936-959.	2.9	45
13	Utilising low cost RGB-D cameras to track the real time progress of a manual assembly sequence. Assembly Automation, 2019, 40, 925-939.	1.0	8
14	A Framework for Next Generation Interactive and Immersive DES Models. , 2019, , .		4
15	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
16	Automatic Extraction of Legal Citations using Natural Language Processing. , 2019, , .		0
17	Automatic Extraction of Legal Citations using Natural Language Processing. , 2019, , .		0
18	An autonomous system for maintenance scheduling data-rich complex infrastructure: Fusing the railwaysâ€™ condition, planning and cost. Transportation Research Part C: Emerging Technologies, 2018, 89, 234-253.	3.9	44

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19	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
20	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
21	Digitisation and the Circular Economy: A Review of Current Research and Future Trends. Energies, 2018, 11, 3009.	1.6	143
22	A framework for innovation outsourcing. International Journal of Business Innovation and Research, 2018, 16, 79.	0.1	3
23	A design algorithm to model fibre paths for manufacturing of structurally optimised composite laminates. Composite Structures, 2018, 204, 882-895.	3.1	13
24	Development of a validation and qualification process for the manufacturing of medical devices: a case study based on cross-sector benchmarking. International Journal of Process Management and Benchmarking, 2018, 8, 79.	0.1	8
25	Adapting Petri Nets to DES: Stochastic Modelling of Manufacturing Systems. International Journal of Simulation Modelling, 2018, 17, 5-17.	0.6	9
26	A framework for innovation outsourcing. International Journal of Business Innovation and Research, 2018, 16, 79.	0.1	1
27	The Internet Connected Production Line: Realising the Ambition of Cloud Manufacturing. , 2018, , .		1
28	Digital Redistributed Manufacturing (RdM) Studio: A Data-Driven Approach to Business Model Development. Smart Innovation, Systems and Technologies, 2017, , 515-524.	0.5	1
29	A new knowledge sourcing framework for knowledge-based engineering: An aerospace industry case study. Computers and Industrial Engineering, 2017, 104, 35-50.	3.4	23
30	Re-distributed Manufacturing to Achieve a Circular Economy: A Case Study Utilizing IDEF0 Modeling. Procedia CIRP, 2017, 63, 686-691.	1.0	32
31	A software architecture for autonomous maintenance scheduling: Scenarios for uk and european rail. International Journal of Transport Development and Integration, 2017, 1, 371-381.	0.6	4
32	Improving root cause analysis through the integration of PLM systems with cross supply chain maintenance data. International Journal of Advanced Manufacturing Technology, 2016, 84, 1679.	1.5	7
33	Design practices used in the development of microfluidic devices: a services-based view. International Journal of Manufacturing Technology and Management, 2016, 30, 422.	0.1	1
34	Combining virtual reality enabled simulation with 3D scanning technologies towards smart manufacturing. , 2016, , .		13
35	Discrete Event Simulation and Virtual Reality Use in Industry: New Opportunities and Future Trends. IEEE Transactions on Human-Machine Systems, 2016, 46, 882-894.	2.5	141
36	A review of key planning and scheduling in the rail industry in Europe and UK. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2016, 230, 984-998.	1.3	20

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37	A product-service system approach to telehealth application design. Health Informatics Journal, 2016, 22, 321-332.	1.1	6
38	A review on design for manufacture of variable stiffness composite laminates. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 981-992.	1.5	92
39	Guidelines for the service-oriented design of microfluidic devices. International Journal of Design Engineering, 2016, 6, 281.	0.3	0
40	A 3D Immersive Discrete Event Simulator for Enabling Prototyping of Factory Layouts. Procedia CIRP, 2015, 38, 63-67.	1.0	10
41	Factory eco-efficiency modelling. International Journal of Energy Sector Management, 2015, 9, 547-564.	1.2	5
42	Capture, digitisation and segmentation of human-workpiece interactions in a manual assembly operation using Kinect™. International Journal of Design Engineering, 2015, 6, 61.	0.3	3
43	Innovation outsourcing: a review of literature. International Journal of Technology, Policy and Management, 2015, 15, 333.	0.1	1
44	Survey on the use of computational optimisation in UK engineering companies. CIRP Journal of Manufacturing Science and Technology, 2015, 9, 57-68.	2.3	8
45	An automated optimisation framework for the development of re-configurable business processes: a web services approach. International Journal of Computer Integrated Manufacturing, 2015, 28, 41-58.	2.9	18
46	An analysis of supply chain issues relating to information flow during the automotive product development. Journal of Manufacturing Technology Management, 2015, 26, 1158-1176.	3.3	16
47	An Intelligent Framework and Prototype for Autonomous Maintenance Planning in the Rail Industry. , 2015, , .		2
48	Dynamic Alignment Control Using Depth Imagery for Automated Wheel Assembly. Procedia CIRP, 2014, 25, 161-168.	1.0	12
49	Socially responsible purchasing in the automotive industry. Social Responsibility Journal, 2014, 10, 620-645.	1.6	9
50	Information flow in supply chain management: A review across the product lifecycle. CIRP Journal of Manufacturing Science and Technology, 2014, 7, 335-346.	2.3	48
51	Improving product lifecycle management implementations by applying 'lean' principles. International Journal of Product Lifecycle Management, 2013, 6, 357.	0.1	8
52	Inventory reduction and management: a partner selection and inventory reduction study. International Journal of Integrated Supply Management, 2013, 8, 210.	0.2	2
53	Process mining: from theory to practice. Business Process Management Journal, 2012, 18, 493-512.	2.4	43
54	Process Mining Manifesto. Lecture Notes in Business Information Processing, 2012, , 169-194.	0.8	546

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55	Capturing and evaluating process information for high‐performance complex manufacturing operations. Journal of Manufacturing Technology Management, 2010, 21, 585-603.	3.3	6
56	A New Neural Network Based Customer Profiling Methodology for Churn Prediction. Lecture Notes in Computer Science, 2010, , 358-369.	1.0	6
57	Evolutionary Multi-objective Optimisation of Business Processes. Advances in Intelligent and Soft Computing, 2010, , 293-301.	0.2	10
58	Multi-Objective Optimisation of Web Business Processes. Lecture Notes in Computer Science, 2010, , 573-577.	1.0	2
59	Business process perspectives: Theoretical developments vs. real-world practice. International Journal of Production Economics, 2008, 114, 91-104.	5.1	72
60	A review of business process mining: state‐of‐the‐art and future trends. Business Process Management Journal, 2008, 14, 5-22.	2.4	116
61	A framework for implementing cost and quality practices within manufacturing. Journal of Manufacturing Technology Management, 2007, 18, 731-760.	3.3	28
62	An experimental evaluation of genetic process mining. , 2007, , .		0
63	An experimental evaluation of feedback loops in a business process mining genetic algorithm. , 2007, , .		0
64	Monitoring and Digitising Human-Workpiece Interactions during a Manual Manufacturing Assembly Operation Using Kinect<sup>TM</sup>. Key Engineering Materials, 0, 572, 609-612.	0.4	5
65	An Exploration of Genetic Process Mining. Advances in Soft Computing, 0, , 199-208.	0.4	0