## Energy management in production: A novel method to for improving energy efficiency

Applied Energy 149, 46-61 DOI: 10.1016/j.apenergy.2015.03.065

**Citation Report** 

#	Article	IF	CITATIONS
1	Suitable organization forms for knowledge management to attain sustainable competitive advantage in the renewable energy industry. Energy, 2015, 89, 1057-1064.	8.8	21
2	Key performance indicators in thermal energy storage: Survey and assessment. Renewable Energy, 2015, 83, 820-827.	8.9	62
3	The Evaluation of Energy Conservation Performance on Electricity: A Case Study of the TFT-LCD Optronics Industry. Energies, 2016, 9, 206.	3.1	6
4	Graphical Analysis for Operation Management: A Graphical Method to Support Operation Decision Making. Quality and Reliability Engineering International, 2016, 32, 2299-2311.	2.3	5
5	On the optimization of energy systems: Results utilization in the design process. Applied Energy, 2016, 178, 587-599.	10.1	19
6	Enabling Effective Operational Decision Making on a Combined Heat and Power System Using the 5C Architecture. Procedia CIRP, 2016, 55, 296-301.	1.9	4
7	Implementing Key Performance Indicators for Energy Efficiency in Manufacturing. Procedia CIRP, 2016, 57, 758-763.	1.9	40
8	Digital manufacturing tools applied to energy analysis and decision in manufacturing systems. , 2016, , $\cdot$		2
9	FUSE-IT: Enhancing critical site supervision with cross-domain key performance indicators. , 2016, , .		1
10	Energy-Performance as a driver for optimal production planning. Applied Energy, 2016, 174, 88-100.	10.1	40
11	A design of experiments approach for the optimisation of energy and waste during the production of parts manufactured by 3D printing. Journal of Cleaner Production, 2016, 139, 74-85.	9.3	106
12	Method to evaluate solutions for complex systems: rail energy. Proceedings of the Institution of Civil Engineers: Transport, 2016, 169, 283-297.	0.6	1
13	A Lean-Based Key Performance Analysis for a Resource Efficient Soldering Oven in Electronics Production. Applied Mechanics and Materials, 0, 856, 91-98.	0.2	0
14	Energy Efficiency and Energy Management Nexus. Energy Procedia, 2016, 95, 71-75.	1.8	14
15	Understanding drivers of energy efficiency changes in China. Applied Energy, 2016, 184, 1196-1206.	10.1	57
16	Energy efficiency and natural gas consumption in the context of economic development in the European Union. Renewable and Sustainable Energy Reviews, 2016, 55, 156-168.	16.4	85
17	Energy management in manufacturing: Toward eco-factories of the future – A focus group study. Applied Energy, 2016, 164, 628-638.	10.1	89
18	An IoT-based energy-management platform for industrial facilities. Applied Energy, 2016, 164, 607-619.	10.1	93

#	Article	IF	CITATIONS
19	Comparing the statistical distributions of energy efficiency in manufacturing: meta-analysis of 24 Case studies to develop industry-specific energy performance indicators (EPI). Energy Efficiency, 2017, 10, 217-238.	2.8	19
21	Optimized energy use through systematic short-term management of industrial waste incineration. Computers and Chemical Engineering, 2017, 104, 241-258.	3.8	15
22	Study of energy efficiency in industry. , 2017, , .		5
23	A hierarchical energy efficiency evaluation model of numerical control workshop. Modern Physics Letters B, 2017, 31, 1740058.	1.9	1
24	Genetic algorithm for optimization of energy systems: Solution uniqueness, accuracy, Pareto convergence and dimension reduction. Energy, 2017, 119, 167-177.	8.8	38
25	Identifying stakeholders and key performance indicators for district and building energy performance analysis. Energy and Buildings, 2017, 155, 1-15.	6.7	56
26	Business Model for Energy Efficiency in Manufacturing. Procedia CIRP, 2017, 61, 410-415.	1.9	12
27	Therblig-embedded value stream mapping method for lean energy machining. Energy, 2017, 138, 1081-1098.	8.8	61
28	How energy price changes can affect production- and supply chain planning – A case study at a pulp company. Applied Energy, 2017, 203, 333-347.	10.1	2
29	Improving environmental management accounting: how to use statistics to better determine energy consumption. Journal of Management Control, 2017, 28, 227-243.	2.1	7
30	Overcoming internal barriers to industrial energy efficiency through energy audit: a case study of a large manufacturing company in the home appliances industry. Clean Technologies and Environmental Policy, 2017, 19, 1031-1046.	4.1	35
31	Multi-level awareness of energy used in production processes. Journal of Cleaner Production, 2017, 142, 2570-2585.	9.3	27
32	Energy efficiency performance-based prognostics for aided maintenance decision-making: Application to a manufacturing platform. Journal of Cleaner Production, 2017, 142, 2838-2857.	9.3	39
33	From energy targets setting to energy-aware operations control and back: An advanced methodology for energy efficient manufacturing. Journal of Cleaner Production, 2017, 167, 1518-1533.	9.3	31
34	Energy management in manufacturing: From literature review to a conceptual framework. Journal of Cleaner Production, 2017, 167, 1464-1489.	9.3	178
35	Creating a New Energy Efficiency Tool for Manufacturing Automation to Support Next Generation Sustainable Eco-Factories. , 2017, , .		0
36	Key performance indicators for manufacturing operations management in the process industry. , 2017, , .		16
37	Energy saving potential for industrial steam boiler. Contemporary Engineering Sciences, 0, 10, 901-909.	0.2	Ο

#	Article	IF	CITATIONS
38	Inter-sectorial benchmarking of compressed air generation energy performance: Methodology based on real data gathering in large and energy-intensive industrial firms. Applied Energy, 2018, 217, 266-280.	10.1	16
39	Energy efficiency evaluation of key energy consumption sectors in China based on a macro-evaluating system. Energy, 2018, 153, 65-79.	8.8	12
40	Measuring energy performance: A process based approach. Applied Energy, 2018, 222, 540-553.	10.1	11
43	Benchmarking energy performance of industrial small and medium-sized enterprises using an energy efficiency index: Results based on an energy audit policy program. Journal of Cleaner Production, 2018, 182, 883-895.	9.3	42
44	A collaborative detection approach for internal steam leakage of tyre vulcanization workshop with artificial immune algorithm. Computational and Applied Mathematics, 2018, 37, 4219-4236.	1.3	1
45	Energy audit model based on a performance evaluation system. Energy, 2018, 154, 544-552.	8.8	24
46	Design and development of a software tool to assist ISO 50001 implementation in the manufacturing sector. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 1741-1752.	2.4	4
47	Development of a framework of key performance indicators to identify reductions in energy consumption in a medical devices production facility. International Journal of Ambient Energy, 2018, 39, 202-210.	2.5	7
48	Planning a sustainable urban electric power system with considering effects of new energy resources and clean production levels under uncertainty: A case study of Tianjin, China. Journal of Cleaner Production, 2018, 173, 67-81.	9.3	19
49	Advanced Maintenance Modelling for Asset Management. , 2018, , .		14
50	Modelling and simulation of energy consumption of ceramic production chains with mixed flows using hybrid Petri nets. International Journal of Production Research, 2018, 56, 3007-3024.	7.5	25
51	Technology assessment model for sustainable development of LNG terminals. Journal of Cleaner Production, 2018, 172, 927-937.	9.3	24
52	Overall material usage effectiveness (OME): a structured indicator to measure the effective material usage within manufacturing processes. Production Planning and Control, 2018, 29, 143-157.	8.8	20
53	Ten systemic steps for sustainable energy savings in small and medium enterprises. Journal of Physics: Conference Series, 2018, 1126, 012039.	0.4	0
54	Enhancing Sustainability and Energy Efficiency in Smart Factories: A Review. Sustainability, 2018, 10, 4779.	3.2	90
55	Energy consumption assessment and optimisation of manufacturing sectors by clustered stochastic data envelopment analysis. International Journal of Services and Operations Management, 2018, 30, 151.	0.2	1
56	Assessing Swedish Foundries Energy Management Program. Energies, 2018, 11, 2780.	3.1	7
57	Process integration of thermal energy storage systems – Evaluation methodology and case studies. Applied Energy, 2018, 230, 750-760.	10.1	47

#	Article	IF	CITATIONS
58	Energy efficiency evaluation for machining systems through virtual part. Energy, 2018, 159, 172-183.	8.8	33
59	Equipment energy consumption management in digital twin shop-floor: A framework and potential applications. , 2018, , .		42
60	A big data driven analytical framework for energy-intensive manufacturing industries. Journal of Cleaner Production, 2018, 197, 57-72.	9.3	149
61	Developing a new energy performance indicator for the spindle system based on power flow analysis. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1687-1699.	2.4	1
62	Analysis and Prediction Methods for Energy Efficiency and Media Demand in the Beverage Industry. Food Engineering Reviews, 2019, 11, 200-217.	5.9	9
63	Integrated Ecosystem Design: An Evaluation Model to Support the Choice of Eco-Compatible Technological Solutions for Residential Building. Energies, 2019, 12, 2659.	3.1	16
64	Energy efficiency assessment: Process modelling and waste heat recovery analysis. Energy Conversion and Management, 2019, 196, 1180-1192.	9.2	19
65	ENERGY OPTIMIZATION OF INDUSTRIAL STEAM BOILER USING ENERGY PERFORMANCE INDICATOR. International Journal of Energy Economics and Policy, 2019, 9, 109-117.	1.2	3
66	Energy efficiency of manufacturing systems: A review of energy assessment methods and tools. Journal of Cleaner Production, 2019, 240, 118276.	9.3	76
67	Framework for energy efficiency optimization of industrial systems based on the Control Layer Model. Procedia Manufacturing, 2019, 33, 414-421.	1.9	7
68	A Framework for Quantifying Energy and Productivity Benefits of Smart Manufacturing Technologies. Procedia CIRP, 2019, 80, 699-704.	1.9	13
69	A modular, holistic optimization approach for industrial appliances. Procedia CIRP, 2019, 79, 551-556.	1.9	1
70	A framework to predict energy related key performance indicators of manufacturing systems at early design phase. Procedia CIRP, 2019, 81, 145-150.	1.9	14
71	Strategic energy management in mechanical series production: An industrial use-case. Procedia Manufacturing, 2019, 33, 59-66.	1.9	7
72	Energy autarky of small scale wastewater treatment plants by enhanced carbon capture and codigestion – A quantitative analysis. Energy Conversion and Management, 2019, 199, 111999.	9.2	21
73	Regulatory risk and the resilience of new sustainable business models in the energy sector. Journal of Cleaner Production, 2019, 219, 865-878.	9.3	50
74	ANALYSIS OF ENERGY MANAGEMENT AND FINANCIAL PLANNING IN THE IMPLEMENTATION OF PV SYSTEMS. International Journal of Energy Economics and Policy, 2019, 9, 1-11.	1.2	2
75	Mind the gap: A social sciences review of energy efficiency. Energy Research and Social Science, 2019, 56, 101216.	6.4	66

#	Article	IF	CITATIONS
76	Resources value mapping: A method to assess the resource efficiency of manufacturing systems. Applied Energy, 2019, 249, 326-342.	10.1	47
77	Application of system dynamics modelling for a sustainable manufacturing system of an Indian automotive component manufacturing organisation: a case study. Clean Technologies and Environmental Policy, 2019, 21, 1055-1071.	4.1	22
78	Key performance indicators for energy management in the Swedish pulp and paper industry. Energy Strategy Reviews, 2019, 24, 229-235.	7.3	42
79	Energy-cyber-physical system enabled management for energy-intensive manufacturing industries. Journal of Cleaner Production, 2019, 226, 892-903.	9.3	90
80	Modeling and discrete event simulation in industrial systems considering consumption and electrical energy generation. Journal of Cleaner Production, 2019, 224, 864-880.	9.3	13
81	Assessing the energy productivity of China's textile industry under carbon emission constraints. Journal of Cleaner Production, 2019, 228, 197-207.	9.3	23
82	ENERWATER – A standard method for assessing and improving the energy efficiency of wastewater treatment plants. Applied Energy, 2019, 242, 897-910.	10.1	53
83	Equipment Energy Consumption Management in Digital Twin Shop-Floor. , 2019, , 111-124.		1
84	A Comparative Study of LQR and Integral Sliding Mode Control Strategies for Position Tracking Control of Robotic Manipulators. International Journal of Electrical and Computer Engineering Systems, 2019, 10, 73-83.	0.6	0
85	Application of the Non-Linear Optimization Algorithm Differential Evolution for Optimization of Manufacturing Systems Regarding Their Energy Efficiency. , 2019, , .		1
86	Application of MCDM Method for Technologies Selection to Support Energy Management. Procedia Manufacturing, 2019, 39, 1289-1296.	1.9	2
87	Application of the Proknow-C Methodology in the Search of Literature on Performance Indicators for Energy Management in Manufacturing and Industry 4.0. Procedia Manufacturing, 2019, 39, 1259-1269.	1.9	11
88	Towards Energy Efficient Scheduling of Manufacturing Systems through Collaboration between Cyber Physical Production and Energy Systems. Energies, 2019, 12, 4448.	3.1	22
89	Development of energy efficiency principal component analysis model for factor extraction and efficiency evaluation in large-scale chemical processes. International Journal of Energy Research, 2019, 43, 814-828.	4.5	12
90	Evaluation of energy density as performance indicator for thermal energy storage at material and system levels. Applied Energy, 2019, 235, 954-962.	10.1	40
91	Comparative analysis of thermal energy storage technologies through the definition of suitable key performance indicators. Energy and Buildings, 2019, 185, 88-102.	6.7	28
92	Local benchmarking in mines to locate inefficient compressed air usage. Sustainable Production and Consumption, 2019, 17, 126-135.	11.0	4
94	Fostering the transition to sustainable electricity systems: A hierarchical analysis framework. Journal of Cleaner Production, 2019, 206, 51-65.	9.3	9

#	Article	IF	CITATIONS
95	A framework for operative and social sustainability functionalities in Human-Centric Cyber-Physical Production Systems. Computers and Industrial Engineering, 2020, 139, 105132.	6.3	92
96	Multi-domain, Advisory Computing System in Continuous Manufacturing Processes. Advances in Intelligent Systems and Computing, 2020, , 376-385.	0.6	0
97	Systems dynamic modeling to analyze the systemic viability of the combined use of regenerative converters and energy storage in a UPS manufacturer. Journal of Cleaner Production, 2020, 246, 118950.	9.3	11
98	A review of the current automotive manufacturing practice from an energy perspective. Applied Energy, 2020, 261, 114074.	10.1	107
99	Proactive preventive maintenance policy for buffered serial production systems based on energy saving opportunistic windows. Journal of Cleaner Production, 2020, 253, 119791.	9.3	30
100	Energy Cost Deployment (ECD): A novel lean approach to tackling energy losses. Journal of Cleaner Production, 2020, 246, 119056.	9.3	17
101	Harnessing smart meter data for a Multitiered Energy Management Performance Indicators (MEMPI) framework: A facility manager informed approach. Applied Energy, 2020, 276, 115435.	10.1	7
102	Energy performance measurement, monitoring and control for buildings of public organizations: Standardized practises compliant with the ISO 50001 and ISO 50006. Developments in the Built Environment, 2020, 4, 100024.	4.0	14
103	Energy Optimization for Motorized Spindle System of Machine Tools under Minimum Thermal Effects and Maximum Productivity Constraints. Energies, 2020, 13, 6032.	3.1	3
104	Representation of energy efficiency interdependencies of manufacturing processes on the shop floor level. Procedia CIRP, 2020, 88, 252-257.	1.9	1
105	Energy optimal set-points for coupled systems using their topology*. , 2020, , .		2
106	A Generalized Chart-Based Decision-Making Tool for Optimal Preventive Maintenance Time under Perfect Renewal Process Modeling. Mathematical Problems in Engineering, 2020, 2020, 1-28.	1.1	1
107	The Influence of Smart Manufacturing towards Energy Conservation: A Review. Technologies, 2020, 8, 31.	5.1	30
108	An improved optimal integral sliding mode control for uncertain robotic manipulators with reduced tracking error, chattering, and energy consumption. Mechanical Systems and Signal Processing, 2020, 142, 106747.	8.0	37
109	Revised overall labour effectiveness. International Journal of Productivity and Performance Management, 2021, 70, 1317-1335.	3.7	8
110	Energy value mapping: A novel lean method to integrate energy efficiency into production management. Energy, 2021, 217, 119353.	8.8	34
111	Mathematical model for calculating the force field of loads in the magnetic liquefied layer of electromechanical dispersants. E3S Web of Conferences, 2021, 279, 03010.	0.5	0
112	A Job-Shop Scheduling Decision-Making Model for Sustainable Production Planning With Power Constraint. IEEE Transactions on Engineering Management, 2023, 70, 1923-1932.	3.5	8

#	Article	IF	CITATIONS
113	Evaluation of sourcing contracts in wood supply procurement using simulation. International Transactions in Operational Research, 2022, 29, 396-416.	2.7	0
115	Safety audit analyse – A case study report in printing machinery firm. Materials Today: Proceedings, 2021, 37, 2623-2630.	1.8	0
116	State of Research. Sustainable Production, Life Cycle Engineering and Management, 2021, , 37-70.	0.3	0
117	Success Factors for the Foundation of Municipal Utilities in Germany. Energies, 2021, 14, 981.	3.1	6
118	Safety and quality measure audit in an organisation – A case study. Materials Today: Proceedings, 2021, , .	1.8	0
119	The Academic Landscapes of Manufacturing Enterprise Performance and Environmental Sustainability: A Study of Commonalities and Differences. International Journal of Environmental Research and Public Health, 2021, 18, 3370.	2.6	9
120	Energy-use Assessment and Energy-saving Potential Analysis in an Underground Coal Mine: A Case Study. , 2021, , .		2
121	A methodology for energy key performance indicators analysis. Energy Informatics, 2021, 4, .	2.3	8
122	A comprehensive investigation of energy management practices within energy intensive industries in Bangladesh. Energy, 2021, 232, 120932.	8.8	19
123	Fabrication of Smart-Meter for Power Consumption Measurements of Machine Tools. , 2021, , 227-247.		0
124	Energy Performance Evaluation Method for Machining Systems Towards Energy Saving and Emission Reduction. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 633-644.	4.9	2
125	Pipe-lining dynamic programming processes to synchronize both the production and the consumption of energy. RAIRO - Operations Research, 2021, 55, 2359-2383.	1.8	0
126	An interactive resource value mapping tool to support the reduction of inefficiencies in smart manufacturing processes. International Journal on Interactive Design and Manufacturing, 2021, 15, 211-224.	2.2	3
127	Multi-level energy efficiency evaluation for die casting workshop based on fog-cloud computing. Energy, 2021, 226, 120397.	8.8	9
128	Could focusing on barriers to industrial energy efficiency create a new barrier to energy efficiency?. Journal of Cleaner Production, 2021, 310, 127387.	9.3	10
129	Energy strategies in the pulp and paper industry in Sweden:ÂInteractions between efficient resource utilisation and increased product diversification. Journal of Cleaner Production, 2021, 311, 127681.	9.3	14
130	Performance indicators-based energy sustainability in urban water distribution networks: A state-of-art review and conceptual framework. Sustainable Cities and Society, 2021, 72, 103036.	10.4	12
131	Decarbonization of industry: Implementation of energy performance indicators for successful energy management practices in kraft pulp mills. Energy Reports, 2021, 7, 1808-1817.	5.1	18

#	Article	IF	CITATIONS
132	Emerging Key Requirements for Future Energy-Aware Production Scheduling Systems: A Multi-agent and Holonic Perspective. Studies in Computational Intelligence, 2017, , 127-141.	0.9	4
133	How to boost energy productivity in China's industrial sector: An integrated decomposition framework based on multi-dimensional factors. Journal of Cleaner Production, 2020, 259, 120902.	9.3	14
134	Industrial System Energy Efficiency Assessment Using System Dynamics. , 0, , .		1
135	Manufacturing System Real-Time Energy Flexibility Control and Improvement. Sustainable Production, Life Cycle Engineering and Management, 2017, , 103-171.	0.3	0
136	Application of an energy management system to develop an energy planning in a pickling line. Contemporary Engineering Sciences, 0, 10, 785-794.	0.2	2
138	Cooperation Between Smart Manufacturing Scheduling Systems and Energy Providers: A Multi-agent Perspective. Studies in Computational Intelligence, 2019, , 197-210.	0.9	1
139	Sustainable Supply Chain Development. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 81-102.	0.4	0
140	Risky Energy Aspects – Identification, Evaluation, Acceptability Assessment and Improvement Aims. Quality Production Improvement - QPI, 2019, 1, 131-138.	0.2	0
141	Demand-side management strategies based on energy key perfomance indicators in real-time: Case study. CTyF - Ciencia, Tecnologia Y Futuro, 2020, 10, 5-16.	0.5	1
142	Linear Theory of Formation of Grinding Loads in Apparatus with a Magnetic Liquefied Layer. Lecture Notes in Networks and Systems, 2022, , 52-59.	0.7	0
143	Increasing Eco-Efficiency Awareness for Ship Loading Process Using Virtual Reality and Gamification. Advances in Transdisciplinary Engineering, 2020, , .	0.1	0
144	From Big Data to Smart Data-centric Software Architectures for City Analytics: the case of the PELL Smart City Platform. , 2021, , .		4
145	State of Research. Sustainable Production, Life Cycle Engineering and Management, 2021, , 37-70.	0.3	0
146	The Evolution of Efficiency Indicators in the Economies of European Countries. , 2021, , .		0
147	Energy-Saving Control in Multistage Production Systems Using a State-Based Method. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3324-3337.	5.2	5
148	Digital Transformation of a Production Line: Network Design, Online Data Collection and Energy Monitoring. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 46-59.	4.6	18
149	Cost-benefit assessment of manufacturing system using comprehensive value flow analysis. Applied Energy, 2022, 310, 118604.	10.1	6
150	From Energy Audit to Energy Performance Indicators (EnPI): A Methodology to Characterize Productive Sectors. The Italian Cement Industry Case Study. Energies, 2021, 14, 8436.	3.1	10

#	Article	IF	CITATIONS
152	Energy Key Performance Indicators for Mobile Machinery. Energies, 2022, 15, 1364.	3.1	3
153	Optimization of Energy Efficiency in Smart Manufacturing Through the Application of Cyber–Physical Systems and Industry 4.0 Technologies. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	2.3	27
154	Steigerung der Energieeffizienz mittels Energiekennzahlen am Beispiel der Metallverarbeitung. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2022, 117, 139-143.	0.3	0
155	Sustainable life cycle and energy management of discrete manufacturing plants in the industry 4.0 framework. Applied Energy, 2022, 312, 118671.	10.1	17
156	Importance of Machine Modernization in Energy Efficiency Management of Manufacturing Companies. Energies, 2021, 14, 8383.	3.1	4
157	Energy efficiency decision-making in non-energy intensive industries: content and social network analysis. Production, 0, 32, .	1.3	2
158	Explorative study on waste heat production intensity and recovery practices in the textile sector: First steps towards the creation of a decision support tool based on real data. Journal of Cleaner Production, 2022, 359, 131928.	9.3	4
159	Energy and Productivity Analysis in Serial Production Lines With Setups. IEEE Robotics and Automation Letters, 2022, 7, 7108-7115.	5.1	2
160	Capturing Consumers' Awareness and the Intention to Support Carbon Neutrality through Energy Efficient Consumption. Energies, 2022, 15, 4022.	3.1	3
161	A dual energy benchmarking methodology for energy-efficient production planning and operation of discrete manufacturing systems using data mining techniques. Energy, 2022, 255, 124542.	8.8	5
162	Modeling energy management sustainability: Smart integrated framework for future trends. Energy Reports, 2022, 8, 8027-8045.	5.1	5
163	Silicon solar cell production line and key performance indicators: A case of study at front size serigraphy stage. Solar Energy, 2022, 242, 267-275.	6.1	0
164	Sustainable Strategic Operations Supported by I4.0 Digital Technologies. Journal of Industrial Integration and Management, 2023, 08, 39-64.	4.8	2
165	Bi-objective Optimization of RCPSP under Time-of-use Electricity Tariffs. KSCE Journal of Civil Engineering, 2022, 26, 4971-4983.	1.9	1
166	Energy-carbon neutrality optimization in production scheduling via solar net metering. Journal of Cleaner Production, 2022, 380, 134627.	9.3	5
167	A systematic review of non-thermal plasma (NTP) technologies for synthetic organic pollutants (SOPs) removal from water: Recent advances in energy yield aspects as their key limiting factor. Journal of Water Process Engineering, 2023, 51, 103371.	5.6	12
168	Multi-feature driven carbon emission time series coupling model for laser welding system. Journal of Manufacturing Systems, 2022, 65, 767-784.	13.9	1
169	Resource Overall Equipment Cost Loss indicator to assess equipment performance and product cost. International Journal of Productivity and Performance Management, 2022, 73, 20-45.	3.7	2

#	Article	IF	Citations
170	A methodological framework to benchmark and monitor energy performance in textile wet processing small and medium enterprises: Proposal and evaluation. Energy for Sustainable Development, 2022, 71, 585-599.	4.5	3
171	Improved Energy Efficiency of Laser-Enhanced Nanoparticle Deposition System Analyzed with a Smart Power Monitoring Device. International Journal of Precision Engineering and Manufacturing - Green Technology, 2023, 10, 747-756.	4.9	1
172	Energy Indicators for Enabling Energy Transition in Industry. Energies, 2023, 16, 581.	3.1	8
173	Adaptive optimal process control with actor-critic design for energy-efficient batch machining subject to time-varying tool wear. Journal of Manufacturing Systems, 2023, 67, 80-96.	13.9	6
174	Achieving Sustainable Manufacturing by Embedding Sustainability KPIs in Digital Twins. , 2022, , .		0
175	"ls Energy That Different from Labor?―Similarity in Determinants of Intensity for Auto Assembly Plants. Energies, 2023, 16, 1776.	3.1	0
176	A clustering-based energy consumption evaluation method for process industries with multiple energy consumption patterns. International Journal of Computer Integrated Manufacturing, 2023, 36, 1526-1554.	4.6	0
181	Operational space efficiency (OpSE): a structured metric to evaluate the efficient use of space in industrial workstations. International Journal of Productivity and Performance Management, 0, , .	3.7	2
182	Maximizing Energy Efficiency in Additive Manufacturing: A Review and Framework for Future Research. Energies, 2023, 16, 4179.	3.1	2
183	Literature Survey on Manufacturing Shop Floor Performance Measurements: Frameworks, Models, and Categorizations. , 2023, , .		0
184	Relationships between Selected Quality Tools and Energy Efficiency in Production Processes. Energies, 2023, 16, 4901.	3.1	0
185	Operation state-based adaptive control in response to production disturbances of energy-efficient serial production lines. Applied Energy, 2023, 347, 121467.	10.1	0
186	Welding parameters and sequences integrated decision-making considering carbon emission and processing time for multi-characteristic laser welding cell. Journal of Manufacturing Systems, 2023, 70, 1-17.	13.9	1
187	Systematic Literature Review of Multi-criteria Decision-Making Applied to Energy Management. , 2023, , 927-939.		0
188	Implementation of position adjustment means quantities of heat consumption. , 2023, 2023, 15-24.		0
189	Synergy Management of a Complex Industrial Production System from the Perspective of Flow Structure. Systems, 2023, 11, 453.	2.3	0
190	Hard-to-reach energy users: An ex-post cross-country assessment of behavioural-oriented interventions. Energy Research and Social Science, 2023, 104, 103205.	6.4	3
191	Manufacturing system reconfiguration towards sustainable production: a novel hybrid optimization methodology. Environmental Science and Pollution Research, 2023, 30, 110687-110714.	5.3	1

#	Article	IF	CITATIONS
192	Application of wireless sensor network and Internet of things in building heating energy saving design. Optical and Quantum Electronics, 2024, 56, .	3.3	0
193	A new set of Lean indicators to assess Greenhouse Gas emissions related to industrial losses. International Journal of Productivity and Performance Management, 2024, 73, 243-269.	3.7	0
194	A Critical Review on Methodologies for the Energy Benchmarking of Wastewater Treatment Plants. Sustainability, 2024, 16, 1922.	3.2	0