

# Rajeev Agrawal

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

798  
citations

759233

12  
h-index

552781

26  
g-index

58  
all docs

58  
docs citations

58  
times ranked

418  
citing authors

#	ARTICLE	IF	CITATIONS
1	Industry 4.0 Technologies for Manufacturing Sustainability: A Systematic Review and Future Research Directions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5725.	2.5	152
2	Review on multi-criteria decision analysis in sustainable manufacturing decision making. <i>International Journal of Sustainable Engineering</i> , 2021, 14, 202-225.	3.5	85
3	Towards sustainable copper matrix composites: Manufacturing routes with structural, mechanical, electrical and corrosion behaviour. <i>Journal of Composite Materials</i> , 2020, 54, 2635-2649.	2.4	78
4	Developing A sustainability framework for Industry 4.0. <i>Procedia CIRP</i> , 2021, 98, 430-435.	1.9	76
5	Microstructural, tribological and compression behaviour of Copper matrix reinforced with Graphite-SiC hybrid composites. <i>Materials Chemistry and Physics</i> , 2020, 251, 123090.	4.0	70
6	Machine learning applications for sustainable manufacturing: a bibliometric-based review for future research. <i>Journal of Enterprise Information Management</i> , 2022, 35, 566-596.	7.5	45
7	Fabrication, microstructural and mechanical behavior of Al-Al <sub>2</sub> O <sub>3</sub> -SiC hybrid metal matrix composites. <i>Materials Today: Proceedings</i> , 2020, 21, 1458-1461.	1.8	39
8	Investigation of reconfiguration effect on makespan with social network method for flexible job shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2017, 110, 231-241.	6.3	26
9	Optimal sequence planning for multi-model reconfigurable assembly systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 1719-1730.	3.0	21
10	Multi-agent system for distributed computer-aided process planning problem in e-manufacturing environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 44, 579-594.	3.0	18
11	Application of Lean Six Sigma for cost-optimised solution of a field quality problem: A case study. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2017, 231, 713-729.	2.4	13
12	Adoption of smart and sustainable manufacturing practices: An exploratory study of Indian manufacturing companies. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2022, 236, 586-602.	2.4	13
13	Two decades of research trends and transformations in manufacturing sustainability: a systematic literature review and future research agenda. <i>Production Engineering</i> , 2022, 16, 109-133.	2.3	13
14	Application of optimization techniques in metal cutting operations: A bibliometric analysis. <i>Materials Today: Proceedings</i> , 2021, 38, 365-370.	1.8	12
15	Environmental impacts assessment during sand casting of Aluminium LM04 product: A case of Indian manufacturing industry. <i>Procedia CIRP</i> , 2021, 98, 181-186.	1.9	10
16	Prioritizing drivers to creating traceability in the food supply chain. <i>Procedia CIRP</i> , 2021, 98, 690-695.	1.9	10
17	Renewable Energy in Bangladesh: Current Status and Future Potentials. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 353-363.	0.6	10
18	Development of cyber physical system based manufacturing system design for process optimization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 997, 012048.	0.6	10

#	ARTICLE	IF	CITATIONS
19	Scheduling of a flexible jobâ€shop using a multiâ€objective genetic algorithm. Journal of Advances in Management Research, 2012, 9, 178-188.	3.0	9
20	Modelling of Sustainable Manufacturing Barriers in Pharmaceutical Industries of Himachal Pradesh: An ISM-Fuzzy Approach. Smart Innovation, Systems and Technologies, 2020, , 157-167.	0.6	9
21	Performance Analysis of Centralized RAN Deployment with Non-Ideal Fronthaul in LTE-Advanced Networks. , 2016, , .		8
22	Life cycle engineering: past, present, and future. , 2021, , 313-338.		7
23	Decision Making Models for Sustainable Supply Chain in Industry 4.0: Opportunities and Future Research Agenda. Lecture Notes in Mechanical Engineering, 2023, , 175-185.	0.4	5
24	Multi-objective Scheduling Model for Reconfigurable Assembly Systems. , 2019, , 209-217.		4
25	Application of Multi-Criteria Decision-Making Techniques in the Optimization of Mechano-Tribological Properties of Copper-SiC-Graphite Hybrid Metal Matrix Composites. Materials Forming, Machining and Tribology, 2021, , 149-172.	1.1	4
26	Sustainable Material Selection for Indian Manufacturing Industries: A Hybrid Multi-criteria Decision-Making Approach. Lecture Notes on Multidisciplinary Industrial Engineering, 2022, , 31-43.	0.6	4
27	Opportunities and Issues with Clean Renewable Energy Development in India: A Review. Lecture Notes in Mechanical Engineering, 2021, , 527-537.	0.4	4
28	Smart Actuators for Innovative Biomedical Applications: An Interactive Overview. , 2019, , 101-119.		3
29	Assessment of Key Barriers of Sustainable Additive Manufacturing in Indian Automotive Company. Lecture Notes in Mechanical Engineering, 2021, , 245-253.	0.4	3
30	An Analysis of Critical Success Factors Using Analytical Hierarchy Process for Implementation of Lean with Industry 4.0 in SMEs. Lecture Notes in Mechanical Engineering, 2021, , 255-262.	0.4	3
31	Industry 4.0: An Indian Perspective. IFIP Advances in Information and Communication Technology, 2021, , 113-123.	0.7	3
32	A Fuzzy Multicriteria Methodology for Selection Among Solar PV Adoption Barriers in India. Lecture Notes in Electrical Engineering, 2020, , 521-531.	0.4	3
33	Process excellence in IT sector in an emerging economic scenario. , 2016, , .		2
34	Analysis of the Challenges of Industry 4.0-Enabled Sustainable Manufacturing Through DEMATEL Approach. Lecture Notes in Mechanical Engineering, 2021, , 579-587.	0.4	2
35	Assessment of barriers in lead time improvement: an exploratory study of electronics manufacturing companies in Himachal Pradesh (India). International Journal of Business and Systems Research, 2021, 15, 182.	0.3	2
36	Sustainable Supply Chain Research and Key Enabling Technologies: A Systematic Literature Review and Future Research Implications. Lecture Notes in Mechanical Engineering, 2022, , 305-319.	0.4	2

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37	Life Cycle Assessment in Sustainable Manufacturing: A Review and Further Direction. Lecture Notes on Multidisciplinary Industrial Engineering, 2021, , 191-203.	0.6	2
38	Analysis of Barriers in Sustainable Supply Chain Management for Indian Automobile Industries. Lecture Notes in Mechanical Engineering, 2022, , 79-89.	0.4	2
39	Parallelization of industrial process control program based on the technique of differential evolution using multi-threading. , 2014, , .		1
40	Biocompatibility Enhancement of Magnesium Alloys via Surface Modification Method: A Review. Lecture Notes in Mechanical Engineering, 2021, , 423-431.	0.4	1
41	Investigation of Microgripper Using Thermal Actuator. Lecture Notes in Electrical Engineering, 2018, , 259-269.	0.4	1
42	Machine Learning in CAD/CAM: What We Think We Know So Far and What We Donâ€™t. Lecture Notes in Mechanical Engineering, 2022, , 495-507.	0.4	1
43	A Bibliometric Analysis of Sustainable Supply Chain Management: Research Implications and Future Perspectives. Lecture Notes in Mechanical Engineering, 2022, , 167-187.	0.4	1
44	Model of a fuzzy automation system for a steel wire roll mill. , 2016, , .		0
45	Multiresponse Regression Modeling in Face Milling of Al6061 Using Design of Experiments. Lecture Notes in Mechanical Engineering, 2021, , 103-114.	0.4	0
46	Advancement in Carbon Nanotubes: Processing Techniques, Purification and Industrial Applications. , 2021, , 309-337.		0
47	Effect of Process Parameters on Weld Bead Geometry, Microstructure, and Mechanical Properties in Submerged Arc Welding. Lecture Notes in Mechanical Engineering, 2021, , 403-412.	0.4	0
48	Assessment of barriers in Lead time improvement: An exploratory study of Electronics Manufacturing Companies in Himachal Pradesh (India). International Journal of Business and Systems Research, 2021, 15, 1.	0.3	0
49	Sustainability Assessment of Organization Performance: A Review and Case Study. Lecture Notes on Multidisciplinary Industrial Engineering, 2021, , 205-219.	0.6	0
50	Experiencing Life Cycle Assessment in Indian Additive Manufacturing Industries: Needs, Challenges and Solutions. Lecture Notes in Mechanical Engineering, 2022, , 67-77.	0.4	0
51	Development of a Mathematical Model for the Software Defect Rework Process to Optimize Defect Reworkâ€™A Six-Sigma Case Study. Lecture Notes in Mechanical Engineering, 2022, , 403-410.	0.4	0