

# Rajeev Agrawal

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

798  
citations

858243

12  
h-index

620720

26  
g-index

58  
all docs

58  
docs citations

58  
times ranked

465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decision Making Models for Sustainable Supply Chain in Industry 4.0: Opportunities and Future Research Agenda. Lecture Notes in Mechanical Engineering, 2023, , 175-185.	0.3	5
2	Machine learning applications for sustainable manufacturing: a bibliometric-based review for future research. Journal of Enterprise Information Management, 2022, 35, 566-596.	4.4	45
3	Sustainable Supply Chain Research and Key Enabling Technologies: A Systematic Literature Review and Future Research Implications. Lecture Notes in Mechanical Engineering, 2022, , 305-319.	0.3	2
4	Sustainable Material Selection for Indian Manufacturing Industries: A Hybrid Multi-criteria Decision-Making Approach. Lecture Notes on Multidisciplinary Industrial Engineering, 2022, , 31-43.	0.4	4
5	Adoption of smart and sustainable manufacturing practices: An exploratory study of Indian manufacturing companies. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2022, 236, 586-602.	1.5	13
6	Two decades of research trends and transformations in manufacturing sustainability: a systematic literature review and future research agenda. Production Engineering, 2022, 16, 109-133.	1.1	13
7	Experiencing Life Cycle Assessment in Indian Additive Manufacturing Industries: Needs, Challenges and Solutions. Lecture Notes in Mechanical Engineering, 2022, , 67-77.	0.3	0
8	Analysis of Barriers in Sustainable Supply Chain Management for Indian Automobile Industries. Lecture Notes in Mechanical Engineering, 2022, , 79-89.	0.3	2
9	Machine Learning in CAD/CAM: What We Think We Know So Far and What We Don't. Lecture Notes in Mechanical Engineering, 2022, , 495-507.	0.3	1
10	Development of a Mathematical Model for the Software Defect Rework Process to Optimize Defect Rework—A Six-Sigma Case Study. Lecture Notes in Mechanical Engineering, 2022, , 403-410.	0.3	0
11	A Bibliometric Analysis of Sustainable Supply Chain Management: Research Implications and Future Perspectives. Lecture Notes in Mechanical Engineering, 2022, , 167-187.	0.3	1
12	Application of optimization techniques in metal cutting operations: A bibliometric analysis. Materials Today: Proceedings, 2021, 38, 365-370.	0.9	12
13	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.	0.7	4
14	Analysis of the Challenges of Industry 4.0-Enabled Sustainable Manufacturing Through DEMATEL Approach. Lecture Notes in Mechanical Engineering, 2021, , 579-587.	0.3	2
15	Multiresponse Regression Modeling in Face Milling of Al6061 Using Design of Experiments. Lecture Notes in Mechanical Engineering, 2021, , 103-114.	0.3	0
16	Assessment of Key Barriers of Sustainable Additive Manufacturing in Indian Automotive Company. Lecture Notes in Mechanical Engineering, 2021, , 245-253.	0.3	3
17	Advancement in Carbon Nanotubes: Processing Techniques, Purification and Industrial Applications. , 2021, , 309-337.		0
18	Effect of Process Parameters on Weld Bead Geometry, Microstructure, and Mechanical Properties in Submerged Arc Welding. Lecture Notes in Mechanical Engineering, 2021, , 403-412.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Biocompatibility Enhancement of Magnesium Alloys via Surface Modification Method: A Review. Lecture Notes in Mechanical Engineering, 2021, , 423-431.	0.3	1
20	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.	0.3	3
21	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.	0.2	0
22	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.	0.2	2
23	Environmental impacts assessment during sand casting of Aluminium LM04 product: A case of Indian manufacturing industry. Procedia CIRP, 2021, 98, 181-186.	1.0	10
24	Developing A sustainability framework for Industry 4.0. Procedia CIRP, 2021, 98, 430-435.	1.0	76
25	Industry 4.0 Technologies for Manufacturing Sustainability: A Systematic Review and Future Research Directions. Applied Sciences (Switzerland), 2021, 11, 5725.	1.3	152
26	Life cycle engineering: past, present, and future. , 2021, , 313-338.		7
27	Industry 4.0: An Indian Perspective. IFIP Advances in Information and Communication Technology, 2021, , 113-123.	0.5	3
28	Prioritizing drivers to creating traceability in the food supply chain. Procedia CIRP, 2021, 98, 690-695.	1.0	10
29	Opportunities and Issues with Clean Renewable Energy Development in India: A Review. Lecture Notes in Mechanical Engineering, 2021, , 527-537.	0.3	4
30	Review on multi-criteria decision analysis in sustainable manufacturing decision making. International Journal of Sustainable Engineering, 2021, 14, 202-225.	1.9	85
31	Life Cycle Assessment in Sustainable Manufacturing: A Review and Further Direction. Lecture Notes on Multidisciplinary Industrial Engineering, 2021, , 191-203.	0.4	2
32	Sustainability Assessment of Organization Performance: A Review and Case Study. Lecture Notes on Multidisciplinary Industrial Engineering, 2021, , 205-219.	0.4	0
33	Fabrication, microstructural and mechanical behavior of Al-Al <sub>2</sub> O <sub>3</sub> -SiC hybrid metal matrix composites. Materials Today: Proceedings, 2020, 21, 1458-1461.	0.9	39
34	Towards sustainable copper matrix composites: Manufacturing routes with structural, mechanical, electrical and corrosion behaviour. Journal of Composite Materials, 2020, 54, 2635-2649.	1.2	78
35	Microstructural, tribological and compression behaviour of Copper matrix reinforced with Graphite-SiC hybrid composites. Materials Chemistry and Physics, 2020, 251, 123090.	2.0	70
36	Modelling of Sustainable Manufacturing Barriers in Pharmaceutical Industries of Himachal Pradesh: An ISM-Fuzzy Approach. Smart Innovation, Systems and Technologies, 2020, , 157-167.	0.5	9

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37	Renewable Energy in Bangladesh: Current Status and Future Potentials. Smart Innovation, Systems and Technologies, 2020, , 353-363.	0.5	10
38	Development of cyber physical system based manufacturing system design for process optimization. IOP Conference Series: Materials Science and Engineering, 2020, 997, 012048.	0.3	10
39	A Fuzzy Multicriteria Methodology for Selection Among Solar PV Adoption Barriers in India. Lecture Notes in Electrical Engineering, 2020, , 521-531.	0.3	3
40	Multi-objective Scheduling Model for Reconfigurable Assembly Systems. , 2019, , 209-217.		4
41	Optimal sequence planning for multi-model reconfigurable assembly systems. International Journal of Advanced Manufacturing Technology, 2019, 100, 1719-1730.	1.5	21
42	Smart Actuators for Innovative Biomedical Applications: An Interactive Overview. , 2019, , 101-119.		3
43	Investigation of Microgripper Using Thermal Actuator. Lecture Notes in Electrical Engineering, 2018, , 259-269.	0.3	1
44	Investigation of reconfiguration effect on makespan with social network method for flexible job shop scheduling problem. Computers and Industrial Engineering, 2017, 110, 231-241.	3.4	26
45	Application of Lean Six Sigma for cost-optimised solution of a field quality problem: A case study. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 713-729.	1.5	13
46	Process excellence in IT sector in an emerging economic scenario. , 2016, , .		2
47	Model of a fuzzy automation system for a steel wire roll mill. , 2016, , .		0
48	Performance Analysis of Centralized RAN Deployment with Non-Ideal Fronthaul in LTE-Advanced Networks. , 2016, , .		8
49	Parallelization of industrial process control program based on the technique of differential evolution using multi-threading. , 2014, , .		1
50	Scheduling of a flexible jobâ€shop using a multiâ€objective genetic algorithm. Journal of Advances in Management Research, 2012, 9, 178-188.	1.6	9
51	Multi-agent system for distributed computer-aided process planning problem in e-manufacturing environment. International Journal of Advanced Manufacturing Technology, 2009, 44, 579-594.	1.5	18