

# Debasis Sarkar

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

199  
citations

1162367

8  
h-index

1199166

12  
g-index

27  
all docs

27  
docs citations

27  
times ranked

141  
citing authors

#	ARTICLE	IF	CITATIONS
1	Life Cycle Cost Analysis for Electric vs. Diesel Bus Transit in an Indian Scenario. International Journal of Technology, 2019, 10, 105.	0.4	29
2	Application of integrated fuzzy FCM-BIM-IoT for sustainable material selection and energy management of metro rail station box project in western India. Innovative Infrastructure Solutions, 2021, 6, 1.	1.1	18
3	Development of integrated cloud-based Internet of Things (IoT) platform for asset management of elevated metro rail projects. International Journal of Construction Management, 2022, 22, 1993-2002.	2.2	17
4	Application of fuzzy TOPSIS method for risk evaluation in development and implementation of solar park in India. International Journal of Construction Management, 2022, 22, 2764-2774.	2.2	15
5	Critical chain project management for a highway construction project with a focus on theory of constraints. International Journal of Construction Management, 2021, 21, 194-207.	2.2	12
6	Risk analysis by integrated fuzzy expected value method and fuzzy failure mode and effect analysis for an elevated metro rail project of Ahmedabad, India. International Journal of Construction Management, 2022, 22, 1818-1829.	2.2	9
7	Social benefit cost and life cycle cost analysis of sustainable biodiesel bus transport in India. International Journal of Sustainable Engineering, 2021, 14, 123-136.	1.9	9
8	Development of risk index for mass rapid transit system project in Western India through application of fuzzy analytical hierarchy process (FAHP). International Journal of Construction Management, 2021, 21, 439-451.	2.2	9
9	Comparative Study of Risk Indices for Infrastructure Transportation Project Using Different Methods. Journal of the Institution of Engineers (India): Series A, 2019, 100, 275-286.	0.6	7
10	Socio-Economic Feasibility Analysis for Sustainable Mass Rapid Transit Project in Western India. Journal of Construction in Developing Countries, 2020, 25, 129-151.	0.3	7
11	Life Cycle Costing Analysis of Solar Photo Voltaic Generation System in Indian Scenario. International Journal of Sustainable Engineering, 2021, 14, 1698-1713.	1.9	7
12	Design and Application of Risk Adjusted Cumulative Sum for Strength Monitoring of Ready Mixed Concrete. Journal of Construction Engineering and Management - ASCE, 2010, 136, 623-631.	2.0	6
13	Evaluation of success and risk factors for highway project performance through integrated analytical hierarchy process and fuzzy interpretive structural modelling. International Journal of Construction Management, 2020, 20, 653-665.	2.2	6
14	Evaluation of Key Performance Indicators of Integrated Project Delivery and BIM Model for Infrastructure Transportation Project in Ahmedabad, India through Decision-Making Approach. Journal of the Institution of Engineers (India): Series A, 2021, 102, 995-1011.	0.6	6
15	Decision tree analysis for project risk mitigation options for underground metro rail project. International Journal of Decision Sciences, Risk and Management, 2012, 4, 25.	0.1	5
16	Development of an integrated BIM-ERP-IoT module for construction projects in Ahmedabad. Innovative Infrastructure Solutions, 2022, 7, 1.	1.1	5
17	Simulation application in project risk management for infrastructure transportation project. International Journal of Project Organisation and Management, 2011, 3, 374.	0.0	4
18	Design and application of multivariate CUSUM for quality monitoring of ready mixed concrete. International Journal of Quality Engineering and Technology, 2014, 4, 161.	0.0	4

#	ARTICLE	IF	CITATIONS
19	Hybrid approach for resource optimization and management of bridge projects using bootstrap technique and genetic algorithm. <i>International Journal of Construction Management</i> , 2018, 18, 207-220.	2.2	4
20	Social Benefit Cost Analysis of Electric Bus Transit for Ahmedabad. <i>Transportation in Developing Economies</i> , 2021, 7, 1.	0.9	4
21	Application of multi-criteria decision making for evaluation of key performance indicators of integrated project delivery and BIM model for an infrastructure transportation project in Western India. <i>International Journal of Construction Management</i> , 2023, 23, 2077-2086.	2.2	4
22	A Sustainable approach to reduce Embodied and Operational Cooling Energy for an Elevated Metro Rail Station of Ahmedabad, India, using Building Information Modelling (BIM) and Factor Comparison Method. <i>Journal of the Institution of Engineers (India): Series A</i> , 2022, 103, 115-128.	0.6	3
23	Statistical process control and strength monitoring of ready-mixed concrete through the application of CUSUM and EWMA control charts: a case study of Ahmedabad and Gandhinagar RMC plants. <i>International Journal of Quality Engineering and Technology</i> , 2018, 7, 178.	0.0	2
24	Public private partnership model for sustainable bus rapid transit system in Ahmedabad, India. <i>International Journal of Construction Management</i> , 2023, 23, 1233-1243.	2.2	2
25	Development of sustainable public-private partnership model for bus rapid transit system in Western India: a case study approach. <i>Innovative Infrastructure Solutions</i> , 2022, 7, 1.	1.1	2
26	Advanced materials management for Indian construction industry by application of statistical process control tools. <i>Materials Today: Proceedings</i> , 2022, 62, 6934-6939.	0.9	2
27	Optimization of ready mixed concrete delivery for commercial batching plants of Ahmedabad, India. <i>International Journal of Construction Management</i> , 2021, 21, 1024-1043.	2.2	1