

# Debasis Sarkar

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

91

citations

6

h-index

8

g-index

27

ext. papers

131

ext. citations

1.6

avg, IF

3.92

L-index

#	Paper	IF	Citations
26	Life Cycle Cost Analysis for Electric vs. Diesel Bus Transit in an Indian Scenario <b>2019</b> , 10, 105		15
25	Application of fuzzy TOPSIS method for risk evaluation in development and implementation of solar park in India. <i>International Journal of Construction Management</i> , <b>2020</b> , 1-11	1.9	9
24	Application of integrated fuzzy FCM-BIM-IoT for sustainable material selection and energy management of metro rail station box project in western India. <i>Innovative Infrastructure Solutions</i> , <b>2021</b> , 6, 1	2.3	9
23	Critical chain project management for a highway construction project with a focus on theory of constraints. <i>International Journal of Construction Management</i> , <b>2021</b> , 21, 194-207	1.9	8
22	Development of risk index for mass rapid transit system project in Western India through application of fuzzy analytical hierarchy process (FAHP). <i>International Journal of Construction Management</i> , <b>2021</b> , 21, 439-451	1.9	7
21	Development of integrated cloud-based Internet of Things (IoT) platform for asset management of elevated metro rail projects. <i>International Journal of Construction Management</i> , <b>2020</b> , 1-10	1.9	6
20	Comparative Study of Risk Indices for Infrastructure Transportation Project Using Different Methods. <i>Journal of the Institution of Engineers (India): Series A</i> , <b>2019</b> , 100, 275-286	1	5
19	Design and Application of Risk Adjusted Cumulative Sum for Strength Monitoring of Ready Mixed Concrete. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2010</b> , 136, 623-631	4.2	5
18	Evaluation of success and risk factors for highway project performance through integrated analytical hierarchy process and fuzzy interpretive structural modelling. <i>International Journal of Construction Management</i> , <b>2020</b> , 20, 653-665	1.9	4
17	Socio-Economic Feasibility Analysis for Sustainable Mass Rapid Transit Project in Western India. <i>Journal of Construction in Developing Countries</i> , <b>2020</b> , 25, 129-151	0.9	4
16	Risk analysis by integrated fuzzy expected value method and fuzzy failure mode and effect analysis for an elevated metro rail project of Ahmedabad, India. <i>International Journal of Construction Management</i> , <b>2020</b> , 1-12	1.9	3
15	Hybrid approach for resource optimization and management of bridge projects using bootstrap technique and genetic algorithm. <i>International Journal of Construction Management</i> , <b>2018</b> , 18, 207-220	1.9	3
14	Decision tree analysis for project risk mitigation options for underground metro rail project. <i>International Journal of Decision Sciences, Risk and Management</i> , <b>2012</b> , 4, 25	0	3
13	Simulation application in project risk management for infrastructure transportation project. <i>International Journal of Project Organisation and Management</i> , <b>2011</b> , 3, 374	0.6	2
12	Social benefit cost and life cycle cost analysis of sustainable biodiesel bus transport in India. <i>International Journal of Sustainable Engineering</i> , <b>2021</b> , 14, 123-136	3.1	2
11	Optimization of ready mixed concrete delivery for commercial batching plants of Ahmedabad, India. <i>International Journal of Construction Management</i> , <b>2019</b> , 1-20	1.9	1
10	Design and application of multivariate CUSUM for quality monitoring of ready mixed concrete. <i>International Journal of Quality Engineering and Technology</i> , <b>2014</b> , 4, 161	0.1	1

9	Life Cycle Costing Analysis of Solar Photo Voltaic Generation System in Indian Scenario. <i>International Journal of Sustainable Engineering</i> ,1-16	3.1	1
8	Social Benefit Cost Analysis of Electric Bus Transit for Ahmedabad. <i>Transportation in Developing Economies</i> , 2021, 7, 1	1.2	1
7	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	0.1	1
6	Public private partnership model for sustainable bus rapid transit system in Ahmedabad, India. <i>International Journal of Construction Management</i> ,1-11	1.9	1
5	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	1	0
4	Development of an integrated BIM-ERP-IoT module for construction projects in Ahmedabad. <i>Innovative Infrastructure Solutions</i> , 2022, 7, 1	2.3	0
3	Evaluation of Key Performance Indicators of Integrated Project Delivery and BIM Model for Infrastructure Transportation Project in Ahmedabad, India through Decision-Making Approach. <i>Journal of the Institution of Engineers (India): Series A</i> ,1	1	0
2	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> ,1-10	1.9	0
1	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	2.3	