

# Rakesh Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

430  
citations

1040056

9  
h-index

752698

20  
g-index

29  
all docs

29  
docs citations

29  
times ranked

396  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation and energy conservation potential of earth-to-air tunnel system coupled with non-air-conditioned building. <i>Building and Environment</i> , 2003, 38, 807-813.	6.9	85
2	Heating and cooling potential of an earth-to-air heat exchanger using artificial neural network. <i>Renewable Energy</i> , 2006, 31, 1139-1155.	8.9	69
3	Influence of recycled coarse aggregate derived from construction and demolition waste (CDW) on abrasion resistance of pavement concrete. <i>Construction and Building Materials</i> , 2017, 142, 248-255.	7.2	63
4	Dynamic earth-contact building: A sustainable low-energy technology. <i>Building and Environment</i> , 2007, 42, 2450-2460.	6.9	42
5	A design optimization tool of earth-to-air heat exchanger using a genetic algorithm. <i>Renewable Energy</i> , 2008, 33, 2282-2288.	8.9	29
6	Introduction of public bus transit in Indian cities. <i>International Journal of Sustainable Built Environment</i> , 2014, 3, 27-34.	3.2	23
7	Impacts of Bus Rapid Transit Lanes on Traffic and Commuter Mobility. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2007, 133, 99-106.	1.7	21
8	Stiffness-Based Quality Control Evaluation of Modified Subgrade Soil Using Lightweight Deflectometer. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	2.9	21
9	Comparative studies of lightweight deflectometer and Benkelman beam deflectometer in low volume roads. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2016, 3, 438-447.	4.2	18
10	Suitability of EAF slag and GGBFS mix as cementitious base/subbase layer for low volume road construction. <i>International Journal of Geotechnical Engineering</i> , 2021, 15, 252-258.	2.0	13
11	Impact of Elderly Road Users Characteristics at Intersection. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 104, 1088-1094.	0.5	7
12	Experience of public private partnership in highway infrastructure development: an exploratory study of PPP mature countries and scenario in India. <i>International Journal of Procurement Management</i> , 2015, 8, 608.	0.2	5
13	Optimisation of construction resources using lean construction technique. <i>Journal of Evidence-Based Medicine</i> , 2014, 4, 213.	1.8	4
14	Comparative study of flexible pavement layers moduli backcalculation using approximate and static approach. <i>Materials Today: Proceedings</i> , 2017, 4, 9812-9816.	1.8	4
15	Using copper slag and fly ash stabilised with lime or cement as a road base material. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2022, 175, 198-212.	1.1	4
16	Evaluation of the Cooling Potential of Earth Air Heat Exchanger Using Concrete Pipes. <i>International Journal of Thermophysics</i> , 2021, 42, 1.	2.1	4
17	Recarpeting using cement grouted bituminous mix in urban flexible pavement: a laboratory and field evaluation. <i>Australian Journal of Civil Engineering</i> , 2021, 19, 235-246.	1.6	4
18	Structural Evaluation of Flexible Pavement Using Non-destructive Techniques in Low Volume Road. <i>Sustainable Civil Infrastructures</i> , 2018, , 168-184.	0.2	3

#	ARTICLE	IF	CITATIONS
19	Usage of Crushed EAF Slag in Granular Sub-base Layer Construction. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 257-266.	0.6	3
20	Laboratory Studies to Assess the Fatigue Behavior of Bituminous Concrete Mix. <i>Sustainable Civil Infrastructures</i> , 2019, , 124-134.	0.2	2
21	Impact of Green Shading on Urban Bus Stop Structure. , 2016, , .		1
22	Impact of para-transit travel time reliability on urban mobility: a case study. <i>World Review of Intermodal Transportation Research</i> , 2017, 6, 93.	0.4	1
23	A Study on the Application of Lightweight Deflectometer During the Construction of Low Volume Road in India. <i>Lecture Notes in Civil Engineering</i> , 2021, , 113-127.	0.4	1
24	Study to Assess the Behaviour of Cement Grouted Bituminous Mix Prepared Using Pozzolanic Grouting Material. <i>Journal of the Institution of Engineers (India): Series A</i> , 2021, 102, 591-601.	1.2	1
25	PROPOSED INTEGRATED BICYCLE FEEDER MODE SERVICE ANALYSIS FOR BUS RAPID TRANSIT SYSTEM- A MULTINOMIAL LOGIT MODEL APPROACH. <i>International Journal for Traffic and Transport Engineering</i> , 2017, 7, 108-116.	0.4	1
26	Laboratory investigation of modified subgrade clay soil mix with steel slag and lime using static and dynamic test approach. <i>International Journal of Geotechnical Engineering</i> , 0, , 1-10.	2.0	1
27	Decision model for performance evaluation of flexible pavement. <i>Journal of Evidence-Based Medicine</i> , 2015, 5, 290.	1.8	0
28	Feeder mode choice analysis for public bus transit system: a case study. <i>World Review of Intermodal Transportation Research</i> , 2017, 6, 177.	0.4	0
29	Commutersâ€™ Attitude Analysis of Feeder Public Transit Service: A Case Study. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019, 43, 313-321.	1.9	0