

Arooran Sounthararajah

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

272
citations

1163117

8
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

237
citing authors

#	ARTICLE	IF	CITATIONS
1	A state-of-the-art review of compaction control test methods and intelligent compaction technology for asphalt pavements. Road Materials and Pavement Design, 2023, 24, 1-30.	4.0	16
2	Prediction of average in-depth temperature of asphalt pavement using surface temperature measured during intelligent compaction. International Journal of Pavement Engineering, 2023, 24, .	4.4	4
3	Flexural behaviour evaluation on foamed bitumen stabilised pavement beams using fibre optic sensors. International Journal of Pavement Engineering, 2022, 23, 1675-1690.	4.4	2
4	Advanced characterisation of flexural fatigue performance of foamed bitumen stabilised pavement materials. Construction and Building Materials, 2022, 341, 127881.	7.2	2
5	Characterisation of Laboratory and Field Foamed Bitumen Stabilised Beams from Accelerated Pavement Testing Trial. Lecture Notes in Civil Engineering, 2020, , 118-126.	0.4	0
6	A discrete element modelling approach for fatigue damage growth in cemented materials. International Journal of Plasticity, 2019, 112, 68-88.	8.8	49
7	Discrete element method investigation of particle size distribution effects on the flexural properties of cement-treated base. Computers and Geotechnics, 2019, 113, 103096.	4.7	11
8	Experimental characterisation of fatigue damage in foamed bitumen stabilised materials using dissipated energy approach. Construction and Building Materials, 2019, 216, 1-10.	7.2	12
9	Experimental and Numerical Investigation of Flexural Behavior of Cemented Granular Materials. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	5
10	Early-Age Fatigue Damage Assessment of Cement-Treated Bases under Repetitive Heavy Traffic Loading. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	28
11	Review of soil compaction: History and recent developments. Transportation Geotechnics, 2018, 17, 24-34.	4.5	68
12	A thermodynamics-based cohesive model for discrete element modelling of fracture in cemented materials. International Journal of Solids and Structures, 2017, 117, 159-176.	2.7	42
13	Evaluation of flexural behaviour of cemented pavement material beams using distributed fibre optic sensors. Construction and Building Materials, 2017, 156, 965-975.	7.2	21
14	Numerical Study of Particle Size Distribution Effect on the Failure of Asphalt Mixtures Using Discrete Element Method. , 2017, , .		3
15	Flexural Properties of Cemented Granular Materials for Pavement Design. RILEM Bookseries, 2016, , 403-409.	0.4	3
16	Effect of Cement on the Engineering Properties of Pavement Materials. Materials Science Forum, 0, 866, 31-36.	0.3	5