

Arooran Sounthararajah

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7582719/publications.pdf>

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