

Pengcheng Shangguan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5934961/publications.pdf>

Version: 2024-02-01

8
papers

265
citations

1307594
7
h-index

1588992
8
g-index

8
all docs

8
docs citations

8
times ranked

187
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithm development for the application of ground-penetrating radar on asphalt pavement compaction monitoring. <i>International Journal of Pavement Engineering</i> , 2016, 17, 189-200.	4.4	53
2	Application of regularized deconvolution technique for predicting pavement thin layer thicknesses from ground penetrating radar data. <i>NDT and E International</i> , 2015, 73, 1-7.	3.7	52
3	Innovative Approach for Asphalt Pavement Compaction Monitoring with Ground-Penetrating Radar. <i>Transportation Research Record</i> , 2013, 2347, 79-87.	1.9	40
4	Field Application of Ground-Penetrating Radar for Measurement of Asphalt Mixture Density: Case Study of Illinois Route 72 Overlay. <i>Transportation Research Record</i> , 2012, 2304, 133-141.	1.9	38
5	Pattern recognition algorithms for density estimation of asphalt pavement during compaction: a simulation study. <i>Journal of Applied Geophysics</i> , 2014, 107, 8-15.	2.1	37
6	Ground-Penetrating Radar Data to Develop Wavelet Technique for Quantifying Railroad Ballast Fouling Conditions. <i>Transportation Research Record</i> , 2012, 2289, 95-102.	1.9	25
7	Railway Ballast Fouling Detection Using GPR Data: Introducing a Combined Time-Frequency and Discrete Wavelet Techniques. <i>Near Surface Geophysics</i> , 2016, 14, 145-153.	1.2	13
8	Content-based image retrieval approaches to interpret ground penetrating radar data. <i>Construction and Building Materials</i> , 2014, 69, 10-17.	7.2	7