

Sungho Mun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4829424/publications.pdf>

Version: 2024-02-01

33
papers

462
citations

623734

14
h-index

713466

21
g-index

33
all docs

33
docs citations

33
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Time-domain Viscoelastic Functions using Optimized Interconversion Techniques. Road Materials and Pavement Design, 2007, 8, 351-365.	4.0	54
2	Determination of viscoelastic and damage properties of hot mix asphalt concrete using a harmony search algorithm. Mechanics of Materials, 2009, 41, 339-353.	3.2	44
3	Material and Structural Performance Evaluations of Hwangtoh Admixtures and Recycled PET Fiber-Added Eco-Friendly Concrete for CO2 Emission Reduction. Materials, 2014, 7, 5959-5981.	2.9	42
4	Determination of the sound power levels emitted by various vehicles using a novel testing method. Applied Acoustics, 2008, 69, 185-195.	3.3	33
5	Determination of individual sound power levels of noise sources using a harmony search algorithm. International Journal of Industrial Ergonomics, 2009, 39, 366-370.	2.6	32
6	Modified harmony search optimization for constrained design problems. Expert Systems With Applications, 2012, 39, 419-423.	7.6	28
7	Modeling the viscoelastic function of asphalt concrete using a spectrum method. Mechanics of Time-Dependent Materials, 2010, 14, 191-202.	4.4	27
8	Fatigue Cracking Mechanisms in Asphalt Pavements with Viscoelastic Continuum Damage Finite-Element Program. Transportation Research Record, 2004, 1896, 96-106.	1.9	24
9	Influence of pavement surface noise: the Korea Highway Corporation test road. Canadian Journal of Civil Engineering, 2007, 34, 809-816.	1.3	21
10	Improving a model for the dynamic modulus of asphalt using the modified harmony search algorithm. Expert Systems With Applications, 2014, 41, 3856-3860.	7.6	20
11	Identification of Viscoelastic Functions for Hot-Mix Asphalt Mixtures Using a Modified Harmony Search Algorithm. Journal of Computing in Civil Engineering, 2011, 25, 139-148.	4.7	19
12	Development of a remaining fatigue life model for asphalt black base through accelerated pavement testing. Construction and Building Materials, 2008, 22, 1881-1886.	7.2	18
13	Design speed based reliability index model for roadway safety evaluation. KSCE Journal of Civil Engineering, 2012, 16, 845-854.	1.9	15
14	Fatigue life prediction of asphalt concrete pavement using a harmony search algorithm. KSCE Journal of Civil Engineering, 2010, 14, 725-730.	1.9	14
15	Fatigue and rutting performance of lime-modified hot-mix asphalt mixtures. Construction and Building Materials, 2011, 25, 4202-4209.	7.2	14
16	Modeling Viscoelastic Crack Growth in Hot-Mix Asphalt Concrete Mixtures Using a Disk-Shaped Compact Tension Test. Journal of Engineering Mechanics - ASCE, 2011, 137, 431-438.	2.9	9
17	Determining the Dynamic Modulus of a Viscoelastic Asphalt Mixture Using an Impact Resonance Test With Damping Effect. Research in Nondestructive Evaluation, 2015, 26, 189-207.	1.1	9
18	Modification of asphalt using polymer-forming monomer. Polymer Engineering and Science, 2015, 55, 1128-1132.	3.1	6

#	ARTICLE	IF	CITATIONS
19	Continuum damage finite element modeling of asphalt concrete. KSCE Journal of Civil Engineering, 2005, 9, 205-211.	1.9	5
20	Determining hydraulic conductivity parameters of porous asphalt concrete using Bayesian parameter estimation. KSCE Journal of Civil Engineering, 2015, 19, 1277-1281.	1.9	5
21	Performance based evaluation of lime addition methods in hot mix asphalt. Canadian Journal of Civil Engineering, 2012, 39, 172-179.	1.3	4
22	Determination of Pavement Rehabilitation Activities through a Permutation Algorithm. Journal of Applied Mathematics, 2013, 2013, 1-5.	0.9	4
23	Development of estimated models of the number of potholes with the statistical optimization method. KSCE Journal of Civil Engineering, 2017, 21, 2683-2694.	1.9	4
24	An Efficient Computation for the Multiaxial Viscoelastic Continuum Damage Analysis of Pavements. KSCE Journal of Civil Engineering, 2018, 22, 2126-2137.	1.9	3
25	A Study of Evaluation for Optimum Content and Bond Strength Properties of Bituminous Materials applied for preventing Separation of Asphalt Pavement Layers. International Journal of Highway Engineering, 2016, 18, 137-143.	0.1	2
26	Evaluation of Optimized Application Rate of Emulsified Asphalt using Uniaxial Compression Test and Regression Analysis. International Journal of Highway Engineering, 2017, 19, 97-102.	0.1	2
27	Parameter Estimation for Traffic Noise Models Using a Harmony Search Algorithm. Journal of Applied Mathematics, 2013, 2013, 1-6.	0.9	1
28	An Analysis of the Quality of Repeated Plate Load Tests Using the Harmony Search Algorithm. Journal of Applied Mathematics, 2014, 2014, 1-5.	0.9	1
29	Broken-line Markings Preferred Under High-speed Conditions for Visibility. KSCE Journal of Civil Engineering, 2018, 22, 3130-3136.	1.9	1
30	Evaluation of Interlayer Shear Properties and Bonding Strengths of a Stress-Absorbing Membrane Interlayer and Development of a Predictive Model for Fracture Energy. International Journal of Highway Engineering, 2018, 20, 87-95.	0.1	1
31	Adaptive Noise Parameter Determination Based on a Particle Filter Algorithm. Mathematical Problems in Engineering, 2016, 2016, 1-7.	1.1	0
32	Estimation of the Dynamic Moduli of Viscoelastic Asphalt Mixtures Using the Extended Kalman Filter Algorithm. Advances in Civil Engineering, 2018, 2018, 1-8.	0.7	0
33	Development of an Interface Shear Strength Tester and a Model Predicting the Optimal Application Rate of Tack Coat. Construction Materials, 2021, 1, 22-38.	0.9	0