

# Sungho Mun

## List of Publications by Year in descending order

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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	Development of an Interface Shear Strength Tester and a Model Predicting the Optimal Application Rate of Tack Coat. <i>Construction Materials</i> , 2021, 1, 22-38.	0.9	0
2	Estimation of the Dynamic Moduli of Viscoelastic Asphalt Mixtures Using the Extended Kalman Filter Algorithm. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-8.	0.7	0
3	An Efficient Computation for the Multiaxial Viscoelastic Continuum Damage Analysis of Pavements. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 2126-2137.	1.9	3
4	Broken-line Markings Preferred Under High-speed Conditions for Visibility. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 3130-3136.	1.9	1
5	Evaluation of Interlayer Shear Properties and Bonding Strengths of a Stress-Absorbing Membrane Interlayer and Development of a Predictive Model for Fracture Energy. <i>International Journal of Highway Engineering</i> , 2018, 20, 87-95.	0.1	1
6	Development of estimated models of the number of potholes with the statistical optimization method. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 2683-2694.	1.9	4
7	Evaluation of Optimized Application Rate of Emulsified Asphalt using Uniaxial Compression Test and Regression Analysis. <i>International Journal of Highway Engineering</i> , 2017, 19, 97-102.	0.1	2
8	Adaptive Noise Parameter Determination Based on a Particle Filter Algorithm. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-7.	1.1	0
9	A Study of Evaluation for Optimum Content and Bond Strength Properties of Bituminous Materials applied for preventing Separation of Asphalt Pavement Layers. <i>International Journal of Highway Engineering</i> , 2016, 18, 137-143.	0.1	2
10	Determining hydraulic conductivity parameters of porous asphalt concrete using Bayesian parameter estimation. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 1277-1281.	1.9	5
11	Determining the Dynamic Modulus of a Viscoelastic Asphalt Mixture Using an Impact Resonance Test With Damping Effect. <i>Research in Nondestructive Evaluation</i> , 2015, 26, 189-207.	1.1	9
12	Modification of asphalt using polymer-forming monomer. <i>Polymer Engineering and Science</i> , 2015, 55, 1128-1132.	3.1	6
13	Material and Structural Performance Evaluations of Hwangtoh Admixtures and Recycled PET Fiber-Added Eco-Friendly Concrete for CO2 Emission Reduction. <i>Materials</i> , 2014, 7, 5959-5981.	2.9	42
14	An Analysis of the Quality of Repeated Plate Load Tests Using the Harmony Search Algorithm. <i>Journal of Applied Mathematics</i> , 2014, 2014, 1-5.	0.9	1
15	Improving a model for the dynamic modulus of asphalt using the modified harmony search algorithm. <i>Expert Systems With Applications</i> , 2014, 41, 3856-3860.	7.6	20
16	Parameter Estimation for Traffic Noise Models Using a Harmony Search Algorithm. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-6.	0.9	1
17	Determination of Pavement Rehabilitation Activities through a Permutation Algorithm. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-5.	0.9	4
18	Performance based evaluation of lime addition methods in hot mix asphalt. <i>Canadian Journal of Civil Engineering</i> , 2012, 39, 172-179.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Design speed based reliability index model for roadway safety evaluation. KSCE Journal of Civil Engineering, 2012, 16, 845-854.	1.9	15
20	Modified harmony search optimization for constrained design problems. Expert Systems With Applications, 2012, 39, 419-423.	7.6	28
21	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
22	Fatigue and rutting performance of lime-modified hot-mix asphalt mixtures. Construction and Building Materials, 2011, 25, 4202-4209.	7.2	14
23	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
24	Fatigue life prediction of asphalt concrete pavement using a harmony search algorithm. KSCE Journal of Civil Engineering, 2010, 14, 725-730.	1.9	14
25	Modeling the viscoelastic function of asphalt concrete using a spectrum method. Mechanics of Time-Dependent Materials, 2010, 14, 191-202.	4.4	27
26	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
27	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
28	Determination of the sound power levels emitted by various vehicles using a novel testing method. Applied Acoustics, 2008, 69, 185-195.	3.3	33
29	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
30	Influence of pavement surface noise: the Korea Highway Corporation test road. Canadian Journal of Civil Engineering, 2007, 34, 809-816.	1.3	21
31	Determination of Time-domain Viscoelastic Functions using Optimized Interconversion Techniques. Road Materials and Pavement Design, 2007, 8, 351-365.	4.0	54
32	Continuum damage finite element modeling of asphalt concrete. KSCE Journal of Civil Engineering, 2005, 9, 205-211.	1.9	5
33	Fatigue Cracking Mechanisms in Asphalt Pavements with Viscoelastic Continuum Damage Finite-Element Program. Transportation Research Record, 2004, 1896, 96-106.	1.9	24