

Taehyo Park

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

328
citations

933447

10
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

314
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient shear deformation theory for vibration of functionally graded plates. <i>Archive of Applied Mechanics</i> , 2013, 83, 137-149.	2.2	53
2	A conceptual thermal actuation system driven by interface tension of nanofluids. <i>Energy and Environmental Science</i> , 2011, 4, 3632.	30.8	34
3	Seismic design, performance, and behavior of composite-moment frames with steel beam-to-concrete filled tube column connections. <i>International Journal of Steel Structures</i> , 2010, 10, 177-191.	1.3	33
4	Pore pressure model based on accumulated stress. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 1913-1926.	4.1	29
5	Damage evaluation of composite-special moment frames with concrete-filled tube columns under strong seismic loads. <i>KSCE Journal of Civil Engineering</i> , 2011, 15, 1381-1394.	1.9	22
6	Damaged plasticity model for concrete using scalar damage variables with a novel stress decomposition. <i>International Journal of Solids and Structures</i> , 2020, 191-192, 56-75.	2.7	21
7	A review of continuum damage and plasticity in concrete: Part I “Theoretical framework. <i>International Journal of Damage Mechanics</i> , 2022, 31, 901-954.	4.2	20
8	Identification of a Distribution of Stiffness Reduction in Reinforced Concrete Slab Bridges Subjected to Moving Loads. <i>Journal of Bridge Engineering</i> , 2009, 14, 355-365.	2.9	14
9	Continuum Models for the Plastic Deformation of Octet-Truss Lattice Materials Under Multiaxial Loading. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2013, 135, .	1.4	13
10	A nonlocal damage model for concrete with three length scales. <i>Computational Mechanics</i> , 2021, 68, 461-486.	4.0	13
11	A review of continuum damage and plasticity in concrete: Part II “Numerical framework. <i>International Journal of Damage Mechanics</i> , 2022, 31, 762-794.	4.2	13
12	Local and non-local damage model with extended stress decomposition for concrete. <i>International Journal of Damage Mechanics</i> , 0, , 105678952199872.	4.2	12
13	Plastic continuum models for truss lattice materials with cubic symmetry. <i>Journal of Mechanical Science and Technology</i> , 2010, 24, 657-669.	1.5	10
14	Static and dynamic behavior of disk bearings for OSPG railway bridges under railway vehicle loading. <i>Nonlinear Dynamics</i> , 2010, 62, 73-93.	5.2	10
15	Coupled Thermomechanical Modeling of Small Volume FCC Metals. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2013, 135, .	1.4	9
16	Detection of Stiffness Reductions in Concrete Decks with Arbitrary Damage Shapes Using Incomplete Dynamic Measurements. <i>Journal of Engineering Mechanics - ASCE</i> , 2008, 134, 567-577.	2.9	8
17	Multi-physics blast analysis of reinforced high strength concrete. <i>KSCE Journal of Civil Engineering</i> , 2013, 17, 777-788.	1.9	6
18	Stabilization process analysis of cable dome structure. <i>International Journal of Steel Structures</i> , 2012, 12, 495-507.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Impact analysis of arbitrarily shaped bodies using a finite element method and a smoothed particle hydrodynamics method. International Journal for Numerical Methods in Engineering, 2017, 109, 1490-1520.	2.8	2
20	A Simulation of Domain Decomposition Method for Smoothed Particle Hydrodynamics. Journal of Engineering Materials and Technology, Transactions of the ASME, 2017, 139, .	1.4	1
21	Special Issue Honoring Professor George Z. Voyiadjis: Multi-physical Solutions for Harsh Environments: Computations and Experiments. Journal of Engineering Materials and Technology, Transactions of the ASME, 2017, 139, .	1.4	0