

Jun Won Kang

List of Publications by Year in descending order

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25
papers

216
citations

1307366

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docs citations

26
times ranked

148
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed unsplit-field perfectly matched layers for transient simulations of scalar waves in heterogeneous domains. <i>Computational Geosciences</i> , 2010, 14, 623-648.	1.2	29
2	The inverse medium problem in heterogeneous PML-truncated domains using scalar probing waves. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011, 200, 265-283.	3.4	28
3	Evaluation of Early-Age Concrete Compressive Strength with Ultrasonic Sensors. <i>Sensors</i> , 2017, 17, 1817.	2.1	23
4	The inverse medium problem in 1D PML-truncated heterogeneous semi-infinite domains. <i>Inverse Problems in Science and Engineering</i> , 2010, 18, 759-786.	1.2	21
5	Construction of virtual interfacial transition zone (ITZ) samples of hydrated cement paste using extended stochastic optimization. <i>Cement and Concrete Composites</i> , 2019, 102, 84-93.	4.6	15
6	Full-scale field test for buried glass-fiber reinforced plastic pipe with large diameter. <i>Composite Structures</i> , 2015, 120, 167-173.	3.1	13
7	Evaluation of Static and Dynamic Residual Mechanical Properties of Heat-Damaged Concrete for Nuclear Reactor Auxiliary Buildings in Korea Using Elastic Wave Velocity Measurements. <i>Materials</i> , 2019, 12, 2695.	1.3	12
8	The inverse medium problem for Timoshenko beams and frames: damage detection and profile reconstruction in the time-domain. <i>Computational Mechanics</i> , 2011, 47, 117-136.	2.2	7
9	A Gauss-Newton full-waveform inversion for material profile reconstruction in 1D PML-truncated solid media. <i>KSCE Journal of Civil Engineering</i> , 2014, 18, 1792-1804.	0.9	7
10	Seismic Response of a Three-Dimensional Asymmetric Multi-Storey Reinforced Concrete Structure. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 479.	1.3	7
11	Flow-induced vibration of a radial gate at various opening heights. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2018, 12, 567-583.	1.5	7
12	Analytical bond behavior of cold drawn SMA crimped fibers considering embedded length and fiber wave depth. <i>Reviews on Advanced Materials Science</i> , 2021, 60, 862-883.	1.4	7
13	Experimental Evaluation of Vibration Response of External Post-Tensioned Tendons with Corrosion. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 2561-2572.	0.9	6
14	A Numerical Study on the Thermo-mechanical Response of a Composite Beam Exposed to Fire. <i>International Journal of Steel Structures</i> , 2018, 18, 1177-1190.	0.6	5
15	Damage Evaluation of Composite Beams Under Fire Conditions. <i>International Journal of Steel Structures</i> , 2020, 20, 1996-2008.	0.6	5
16	Hybrid perfectly-matched-layers for transient simulation of scalar elastic waves. <i>Structural Engineering and Mechanics</i> , 2014, 51, 685-705.	1.0	5
17	Assessment of Durability of Concrete Structure Subject to Carbonation with Application of Safety Factor. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-10.	1.0	4
18	Interpretation of Impact-Echo Testing Data from a Fire-Damaged Reinforced Concrete Slab Using a Discrete Layered Concrete Damage Model. <i>Sensors</i> , 2020, 20, 5838.	2.1	4

#	ARTICLE	IF	CITATIONS
19	A Time-Domain Formulation of Elastic Waves in Heterogeneous Unbounded Domains. Multiscale Science and Engineering, 2019, 1, 220-235.	0.9	3
20	A Gauss-Newton full-waveform inversion in PML-truncated domains using scalar probing waves. Journal of Computational Physics, 2017, 350, 824-846.	1.9	2
21	Methodology for Evaluation of Residual Stress Effect on Small Corner-Crack Initiation and Growth. Materials, 2019, 12, 2904.	1.3	2
22	Material profile reconstruction using plane electromagnetic waves in PML-truncated heterogeneous domains. Applied Mathematical Modelling, 2021, 96, 813-833.	2.2	2
23	Experimental Validation of Slip-Forming Using Ultrasonic Sensors. Sensors, 2019, 19, 5053.	2.1	1
24	Dynamic Characterization of Structures from Limited Measurements Using a Subspace System Identification Method. Multiscale Science and Engineering, 2020, 2, 257-275.	0.9	1
25	Elastic Wave Propagation in Nuclear Power Plant Containment Building Walls Considering Liner Plate and Concrete Cavity. Journal of the Computational Structural Engineering Institute of Korea, 2021, 34, 167-174.	0.1	0