# Jun Won Kang

List of Publications by Year
in descending order

| | |
|---|---|
| **25** papers | **216** citations |
| 1306789 **7** h-index | 1058022 **14** g-index |
| **26** all docs | **26** docs citations |
| **26** times ranked | **148** citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | 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 |
| 2 | Material profile reconstruction using plane electromagnetic waves in PML-truncated heterogeneous domains. Applied Mathematical Modelling, 2021, 96, 813-833. | 2.2 | 2 |
| 3 | Analytical bond behavior of cold drawn SMA crimped fibers considering embedded length and fiber wave depth. Reviews on Advanced Materials Science, 2021, 60, 862-883. | 1.4 | 7 |
| 4 | Dynamic Characterization of Structures from Limited Measurements Using a Subspace System Identification Method. Multiscale Science and Engineering, 2020, 2, 257-275. | 0.9 | 1 |
| 5 | Damage Evaluation of Composite Beams Under Fire Conditions. International Journal of Steel Structures, 2020, 20, 1996-2008. | 0.6 | 5 |
| 6 | Interpretation of Impact-Echo Testing Data from a Fire-Damaged Reinforced Concrete Slab Using a Discrete Layered Concrete Damage Model. Sensors, 2020, 20, 5838. | 2.1 | 4 |
| 7 | A Time-Domain Formulation of Elastic Waves in Heterogeneous Unbounded Domains. Multiscale Science and Engineering, 2019, 1, 220-235. | 0.9 | 3 |
| 8 | Methodology for Evaluation of Residual Stress Effect on Small Corner-Crack Initiation and Growth. Materials, 2019, 12, 2904. | 1.3 | 2 |
| 9 | Evaluation of Static and Dynamic Residual Mechanical Properties of Heat-Damaged Concrete for Nuclear Reactor Auxiliary Buildings in Korea Using Elastic Wave Velocity Measurements. Materials, 2019, 12, 2695. | 1.3 | 12 |
| 10 | Experimental Evaluation of Vibration Response of External Post-Tensioned Tendons with Corrosion. KSCE Journal of Civil Engineering, 2019, 23, 2561-2572. | 0.9 | 6 |
| 11 | Construction of virtual interfacial transition zone (ITZ) samples of hydrated cement paste using extended stochastic optimization. Cement and Concrete Composites, 2019, 102, 84-93. | 4.6 | 15 |
| 12 | Experimental Validation of Slip-Forming Using Ultrasonic Sensors. Sensors, 2019, 19, 5053. | 2.1 | 1 |
| 13 | Seismic Response of a Three-Dimensional Asymmetric Multi-Storey Reinforced Concrete Structure. Applied Sciences (Switzerland), 2018, 8, 479. | 1.3 | 7 |
| 14 | A Numerical Study on the Thermo-mechanical Response of a Composite Beam Exposed to Fire. International Journal of Steel Structures, 2018, 18, 1177-1190. | 0.6 | 5 |
| 15 | Assessment of Durability of Concrete Structure Subject to Carbonation with Application of Safety Factor. Advances in Materials Science and Engineering, 2018, 2018, 1-10. | 1.0 | 4 |
| 16 | Flow-induced vibration of a radial gate at various opening heights. Engineering Applications of Computational Fluid Mechanics, 2018, 12, 567-583. | 1.5 | 7 |
| 17 | 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 |
| 18 | Evaluation of Early-Age Concrete Compressive Strength with Ultrasonic Sensors. Sensors, 2017, 17, 1817. | 2.1 | 23 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 19 | Full-scale field test for buried glass-fiber reinforced plastic pipe with large diameter. Composite Structures, 2015, 120, 167-173. | 3.1 | 13 |
| 20 | A Gauss-Newton full-waveform inversion for material profile reconstruction in 1D PML-truncated solid media. KSCE Journal of Civil Engineering, 2014, 18, 1792-1804. | 0.9 | 7 |
| 21 | Hybrid perfectly-matched-layers for transient simulation of scalar elastic waves. Structural Engineering and Mechanics, 2014, 51, 685-705. | 1.0 | 5 |
| 22 | The inverse medium problem for Timoshenko beams and frames: damage detection and profile reconstruction in the time-domain. Computational Mechanics, 2011, 47, 117-136. | 2.2 | 7 |
| 23 | The inverse medium problem in heterogeneous PML-truncated domains using scalar probing waves. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 265-283. | 3.4 | 28 |
| 24 | Mixed unsplit-field perfectly matched layers for transient simulations of scalar waves in heterogeneous domains. Computational Geosciences, 2010, 14, 623-648. | 1.2 | 29 |
| 25 | The inverse medium problem in 1D PML-truncated heterogeneous semi-infinite domains. Inverse Problems in Science and Engineering, 2010, 18, 759-786. | 1.2 | 21 |