Young-Cheol Yoon

List of Publications by Year
in descending order

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28	553	623574	642610
papers	citations	14 h-index	23 g-index

28	28	28	294
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combined extended and superimposed finite element method for cracks. International Journal for Numerical Methods in Engineering, 2004, 59, 1119-1136.	1.5	65
2	Meshfree point collocation method for elasticity and crack problems. International Journal for Numerical Methods in Engineering, 2004, 61, 22-48.	1.5	55
3	Extended particle difference method for weak and strong discontinuity problems: part I. Derivation of the extended particle derivative approximation for the representation of weak and strong discontinuities. Computational Mechanics, 2014, 53, 1087-1103.	2.2	55
4	Extended particle difference method for weak and strong discontinuity problems: part II. Formulations and applications for various interfacial singularity problems. Computational Mechanics, 2014, 53, 1105-1128.	2.2	46
5	Meshfree point collocation method with intrinsic enrichment for interface problems. Computational Mechanics, 2007, 40, 1037-1052.	2.2	41
6	Extrinsic meshfree approximation using asymptotic expansion for interfacial discontinuity of derivative. Journal of Computational Physics, 2007, 221, 370-394.	1.9	37
7	Extended particle difference method for moving boundary problems. Computational Mechanics, 2014, 54, 723-743.	2.2	36
8	Sustainable design for reinforced concrete columns through embodied energy and CO2 emission optimization. Energy and Buildings, 2018, 174, 44-53.	3.1	33
9	New strong formulation for material nonlinear problems based on the particle difference method. Engineering Analysis With Boundary Elements, 2019, 98, 310-327.	2.0	29
10	Enriched meshfree collocation method with diffuse derivatives for elastic fracture. Computers and Mathematics With Applications, 2006, 51, 1349-1366.	1.4	21
11	Multiscale failure analysis with coarse-grained micro cracks and damage. Theoretical and Applied Fracture Mechanics, 2014, 72, 100-109.	2.1	21
12	Particle difference method for dynamic crack propagation. International Journal of Impact Engineering, 2016, 87, 132-145.	2.4	21
13	Numerical prediction of crack propagation by an enhanced element-free Galerkin method. Nuclear Engineering and Design, 2004, 227, 257-271.	0.8	17
14	A numerical method for dynamic fracture using the extended finite element method with non-nodal enrichment parameters. International Journal of Impact Engineering, 2018, 121, 63-76.	2.4	17
15	An improved crack analysis technique by element-free Galerkin method with auxiliary supports. International Journal for Numerical Methods in Engineering, 2003, 56, 1291-1314.	1.5	13
16	Dynamic particle difference method for the analysis of proportionally damped system and cracked concrete beam. International Journal of Fracture, 2017, 203, 237-262.	1.1	12
17	Interface Immersed Particle Difference Method for weak discontinuity in elliptic boundary value problems. Computer Methods in Applied Mechanics and Engineering, 2021, 375, 113650.	3.4	8
18	Investigation on the resistance of steel-plate concrete walls under high-velocity impact. Journal of Constructional Steel Research, 2019, 162, 105732.	1.7	7

#	Article	IF	Citations
19	Extended Meshfree Point Collocation Method for Electromagnetic Problems With Layered Singularity. IEEE Transactions on Magnetics, 2010, 46, 2951-2954.	1.2	5
20	Experiment-Based Synthetic Structural Analysis Combining Digital Image Processing and a Strong Form Meshfree Method. Applied Sciences (Switzerland), 2020, 10, 8053.	1.3	5
21	Analysis of Concrete Tensile Failure using Dynamic Particle Difference Method under High Loading Rates. International Journal of Impact Engineering, 2021, 150, 103802.	2.4	5
22	New local near-tip functions for the element-free Galerkin method. Communications in Numerical Methods in Engineering, 2004, 21, 133-148.	1.3	3
23	Numerical Evaluation of Compressive Strain Capacity for API X100 Line Pipe. KSCE Journal of Civil Engineering, 2018, 22, 3039-3051.	0.9	1
24	Explicit Dynamic Algorithm for MLS Difference Method. Procedia Engineering, 2011, 14, 2738-2742.	1.2	0
25	Explicit and Implicit Extended MLS Difference Methods for Stefan Problems. Procedia Engineering, 2011, 14, 2751-2755.	1.2	0
26	Implicit Moving Least Squares Difference Method for 1-D Moving Boundary Problem. Journal of the Computational Structural Engineering Institute of Korea, 2012, 25, 439-446.	0.1	0
27	Moving Least Squares Difference Method for the Analysis of 2-D Melting Problem. Journal of the Computational Structural Engineering Institute of Korea, 2013, 26, 39-48.	0.1	0
28	Dynamic Analysis of MLS Difference Method using First Order Differential Approximation. Journal of the Computational Structural Engineering Institute of Korea, 2018, 31, 331-337.	0.1	0