

Yijiang Peng

List of Publications by Year in descending order

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papers

341
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840119

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17
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38
all docs

38
docs citations

38
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	Base force element method of complementary energy principle for large rotation problems. Acta Mechanica Sinica/Lixue Xuebao, 2009, 25, 507-515.	1.5	36
2	Mesomechanical properties of concrete with different shapes and replacement ratios of recycled aggregate based on base force element method. Structural Concrete, 2019, 20, 1425-1437.	1.5	28
3	The application of 2D base force element method (BFEM) to geometrically non-linear analysis. International Journal of Non-Linear Mechanics, 2012, 47, 153-161.	1.4	19
4	Numerical Simulation of Dynamic Mechanical Properties of Concrete under Uniaxial Compression. Materials, 2019, 12, 643.	1.3	19
5	Modeling interfacial transition zone of RAC based on a degenerate element of BFEM. Construction and Building Materials, 2020, 252, 119063.	3.2	19
6	Base force element method (BFEM) on potential energy principle for elasticity problems. International Journal of Mechanics and Materials in Design, 2011, 7, 245-251.	1.7	18
7	2D numerical investigation on damage mechanism of recycled aggregate concrete prism. Construction and Building Materials, 2019, 213, 91-99.	3.2	17
8	Base force element method based on the complementary energy principle for the damage analysis of recycled aggregate concrete. International Journal for Numerical Methods in Engineering, 2020, 121, 1484-1506.	1.5	17
9	A two-dimensional base force element method using concave polygonal mesh. Engineering Analysis With Boundary Elements, 2014, 42, 45-50.	2.0	16
10	Mesoscale fracture analysis of recycled aggregate concrete based on digital image processing technique. Structural Concrete, 2021, 22, E33.	1.5	16
11	Numerical Simulation of Recycled Concrete Using Convex Aggregate Model and Base Force Element Method. Advances in Materials Science and Engineering, 2016, 2016, 1-10.	1.0	15
12	Mesoscopic Numerical Simulation of Fracture Process and Failure Mechanism of Concrete Based on Convex Aggregate Model. Advances in Materials Science and Engineering, 2019, 2019, 1-17.	1.0	12
13	Base force element method (BFEM) on complementary energy principle for linear elasticity problem. Science China: Physics, Mechanics and Astronomy, 2011, 54, 2025-2032.	2.0	11
14	Application of 2D base force element method with complementary energy principle for arbitrary meshes. Engineering Computations, 2014, 31, 691-708.	0.7	11
15	Micromechanical investigation on size effect of tensile strength for recycled aggregate concrete using BFEM. International Journal of Mechanics and Materials in Design, 2016, 12, 525-538.	1.7	11
16	Analysis of the Effect of Porosity in Concrete under Compression Based on DIP Technology. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	10
17	Meso-Analysis of Dynamic Compressive Behavior of Recycled Aggregate Concrete Using BFEM. International Journal of Computational Methods, 2020, 17, 1950013.	0.8	9
18	Application of Base Force Element Method to Mesomechanics Analysis for Recycled Aggregate Concrete. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	8

#	ARTICLE	IF	CITATIONS
19	Mesoscopic numerical analysis of dynamic tensile fracture of recycled concrete. Engineering Computations, 2020, 37, 1899-1922.	0.7	8
20	Advances in the Base Force Element Method. , 2019, , .		6
21	Application of Base Force Element Method on Complementary Energy Principle to Rock Mechanics Problems. Mathematical Problems in Engineering, 2015, 2015, 1-16.	0.6	5
22	Application of base force element method on meso-scale damage analysis for recycled concrete. Structural Concrete, 2022, 23, 1962-1980.	1.5	5
23	Analysis of plane frame structure using base force element method. Structural Engineering and Mechanics, 2017, 62, 11-20.	1.0	5
24	Application of Base Force Element Method to Mesomechanics Analysis for Concrete. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	4
25	A Degenerated Plane Truss Model of Base Force Element Method on Complementary Energy Principle. International Journal of Computational Methods, 2018, 15, 1850040.	0.8	3
26	Geometrical nonlinear problems of truss beam by base force element method. International Journal for Numerical Methods in Engineering, 2021, 122, 4793-4824.	1.5	3
27	Research on softening curve of recycled concrete using base force element method in meso-level. Engineering Computations, 2019, ahead-of-print, .	0.7	2
28	Five-phase sphere equivalent model of recycled concrete and numerical simulation based on the base force element method. Engineering Computations, 2020, ahead-of-print, .	0.7	2
29	Numerical simulation on dynamic bending strength of three-graded concrete beam based on meso-mechanics. Transactions of Tianjin University, 2008, 14, 371-375.	3.3	1
30	A 4-Mid-Node Plane Model of Base Force Element Method on Complementary Energy Principle. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	1
31	Mesoscopic numerical simulation of fracture process and failure mechanism of cement mortar. Structural Concrete, 2021, 22, E831.	1.5	1
32	Analysis of Tensile Strength and Failure Mechanism Based on Parallel Homogenization Model for Recycled Concrete. Materials, 2022, 15, 145.	1.3	1
33	The base force element method based on the arc-length method for stability analysis. International Journal of Non-Linear Mechanics, 2022, 144, 104088.	1.4	1
34	Complementary energy principle associated with modified couple stress theory for Euler micro-beams considering support movements and negative Poisson's ratio. Archive of Applied Mechanics, 2022, 92, 2119-2135.	1.2	1
35	2D Base Force Element Method for Geometrically Nonlinear Problems. , 2019, , 89-117.		0
36	Geometrically Nonlinear BFEM for Plane Truss. , 2019, , 311-382.		0