

List of Publications by Year in descending order

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7 YANG

#	Article	IF	CITATIONS
1	A local radial basis function collocation method for band structure computation of 3D phononic crystals. Applied Mathematical Modelling, 2020, 77, 1954-1964.	4.2	26
2	Multiscale image-based modelling of damage and fracture in carbon fibre reinforced polymer composites. Composites Science and Technology, 2020, 198, 108243.	7.8	20
3	A local radial basis function collocation method for band structure computation of phononic crystals with scatterers of arbitrary geometry. Applied Mathematical Modelling, 2018, 60, 447-459.	4.2	63
4	Seismic Performance of Multistorey Masonry Structure with Openings Repaired with CFRP Grid. Advances in Civil Engineering, 2018, 2018, 1-11.	0.7	3
5	Micro X-ray computed tomography image-based two-scale homogenisation of ultra high performance fibre reinforced concrete. Construction and Building Materials, 2017, 130, 230-240.	7.2	70
6	Spiral strand cables subjected to high velocity fragment impact. International Journal of Impact Engineering, 2017, 107, 58-79.	5.0	9
7	In-situ X-ray computed tomography characterisation of 3D fracture evolution and image-based numerical homogenisation of concrete. Cement and Concrete Composites, 2017, 75, 74-83.	10.7	161
8	An adaptive stochastic multi-scale method for cohesive fracture modelling of quasi-brittle heterogeneous materials under uniaxial tension. Engineering Fracture Mechanics, 2016, 163, 499-522.	4.3	9
9	Generation of micro-scale finite element models from synchrotron X-ray CT images for multidirectional carbon fibre reinforced composites. Composites Part A: Applied Science and Manufacturing, 2016, 91, 85-95.	7.6	74
10	Monte Carlo simulations of mesoscale fracture of concrete with random aggregates and pores: a size effect study. Construction and Building Materials, 2015, 80, 262-272.	7.2	144
11	Two-dimensional X-ray CT image based meso-scale fracture modelling of concrete. Engineering Fracture Mechanics, 2015, 133, 24-39.	4.3	289
12	3D meso-scale fracture modelling and validation of concrete based on in-situ X-ray Computed Tomography images using damage plasticity model. International Journal of Solids and Structures, 2015, 67-68, 340-352.	2.7	323
13	A non-matching finite element-scaled boundary finite element coupled method for linear elastic crack propagation modelling. Computers and Structures, 2015, 153, 126-136.	4.4	37
14	Three-dimensional heterogeneous fracture simulation of asphalt mixture under uniaxial tension with cohesive crack model. Construction and Building Materials, 2015, 76, 103-117.	7.2	63
15	Monte Carlo simulations of mesoscale fracture modelling of concrete with random aggregates and pores. Construction and Building Materials, 2015, 75, 35-45.	7.2	243
16	Full 3D finite element modelling of spiral strand cables. Construction and Building Materials, 2012, 35, 452-459.	7.2	83