

Wang Yongxiang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

736
citations

516710

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752698

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times ranked

580
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#	ARTICLE	IF	CITATIONS
1	From diffuse damage to sharp cohesive cracks: A coupled XFEM framework for failure analysis of quasi-brittle materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 299, 57-89.	6.6	126
2	Progressive delamination analysis of composite materials using XFEM and a discrete damage zone model. <i>Computational Mechanics</i> , 2015, 55, 1-26.	4.0	84
3	XFEM based seismic potential failure mode analysis of concrete gravity damâ€“waterâ€“foundation systems through incremental dynamic analysis. <i>Engineering Structures</i> , 2015, 98, 81-94.	5.3	63
4	Damage demand assessment of mainshock-damaged concrete gravity dams subjected to aftershocks. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 98, 141-154.	3.8	50
5	Deterministic 3D seismic damage analysis of Guandi concrete gravity dam: A case study. <i>Engineering Structures</i> , 2017, 148, 263-276.	5.3	47
6	On the determination of the mesh size for numerical simulations of shock wave propagation in near field underwater explosion. <i>Applied Ocean Research</i> , 2016, 59, 1-9.	4.1	44
7	A general definition of integrated strong motion duration and its effect on seismic demands of concrete gravity dams. <i>Engineering Structures</i> , 2016, 125, 481-493.	5.3	43
8	Materialâ€“dependent crackâ€“tip enrichment functions in XFEM for modeling interfacial cracks in bimaterials. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 112, 1495-1518.	2.8	40
9	Strength and ductility performance of concrete-filled steel tubular columns after long-term service loading. <i>Engineering Structures</i> , 2015, 100, 308-325.	5.3	39
10	An arc-length method for controlled cohesive crack propagation using high-order XFEM and Irwinâ€™s crack closure integral. <i>Engineering Fracture Mechanics</i> , 2018, 199, 235-256.	4.3	31
11	Direct evaluation of stress intensity factors for curved cracks using Irwin's integral and XFEM with highâ€“order enrichment functions. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 112, 629-654.	2.8	30
12	XFEM with high-order material-dependent enrichment functions for stress intensity factors calculation of interface cracks using Irwinâ€™s crack closure integral. <i>Engineering Fracture Mechanics</i> , 2017, 178, 148-168.	4.3	30
13	Integrated duration effects on seismic performance of concrete gravity dams using linear and nonlinear evaluation methods. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 79, 223-236.	3.8	27
14	Fracture analysis of cracked thin-walled structures using a high-order XFEM and Irwinâ€™s integral. <i>Computers and Structures</i> , 2019, 212, 1-19.	4.4	21
15	Probabilistic Model Updating for Sizing of Hole-Edge Crack Using Fiber Bragg Grating Sensors and the High-Order Extended Finite Element Method. <i>Sensors</i> , 2016, 16, 1956.	3.8	19
16	Earthquake Direction Effects on Seismic Performance of Concrete Gravity Dams to Mainshockâ€“Aftershock Sequences. <i>Journal of Earthquake Engineering</i> , 2020, 24, 1134-1155.	2.5	17
17	A Probabilistic Damage Identification Method for Shear Structure Components Based on Cross-Entropy Optimizations. <i>Entropy</i> , 2017, 19, 27.	2.2	10
18	Direct extraction of stress intensity factors for geometrically elaborate cracks using a high-order Numerical Manifold Method. <i>Engineering Fracture Mechanics</i> , 2020, 230, 106963.	4.3	10

#	ARTICLE	IF	CITATIONS
19	Fracture of rocks in the mountains of Southeast Tibet under hydrothermal conditions at different elevations. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 4291-4308.	3.5	4
20	Seismic Performance of Precast Concrete Frame with Innovative Assembly Pattern. <i>Journal of Earthquake Engineering</i> , 2023, 27, 852-877.	2.5	1