

# Wei Yao

## List of Publications by Year in descending order

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21  
papers

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citations

687363

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#	ARTICLE	IF	CITATIONS
1	Dynamic rock tests using split Hopkinson (Kolsky) bar system – A review. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2015, 7, 27-59.	8.1	374
2	An Experimental Study of Dynamic Tensile Failure of Rocks Subjected to Hydrostatic Confinement. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 3855-3864.	5.4	82
3	Dynamic Fracture Properties of Rocks Subjected to Static Pre-load Using Notched Semi-circular Bend Method. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 3865-3872.	5.4	64
4	A dynamic punch-through shear method for determining dynamic Mode II fracture toughness of rocks. <i>Engineering Fracture Mechanics</i> , 2017, 176, 161-177.	4.3	60
5	Dependence of Dynamic Tensile Strength of Longyou Sandstone on Heat-Treatment Temperature and Loading Rate. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 3899-3915.	5.4	57
6	Investigation of the Heat-Treatment Effect on Rock Fragmentation Characteristics Using the Dynamic Ball Compression Test. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 2095-2108.	5.4	30
7	Thermal degradation of dynamic compressive strength for two mortars. <i>Construction and Building Materials</i> , 2017, 136, 139-152.	7.2	28
8	Non-local failure theory and two-parameter tensile strength model for semi-circular bending tests of granitic rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 110, 9-18.	5.8	21
9	Dynamic Mode II Fracture Toughness of Rocks Subjected to Confining Pressure. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 569-586.	5.4	21
10	Numerical study on tensile failures of heterogeneous rocks. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020, 12, 50-58.	8.1	20
11	Experimental Study of the Dynamic Shear Response of Rocks Using a Modified Punch Shear Method. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 2523-2534.	5.4	19
12	Experimental study of dynamic bending failure of Laurentian granite: loading rate and pre-load effects. <i>Canadian Geotechnical Journal</i> , 2019, 56, 228-235.	2.8	18
13	Influence of Notch Geometry on the Rock Fracture Toughness Measurement Using the ISRM Suggested Semi-Circular Bend (SCB) Method. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 2239-2253.	5.4	14
14	Investigation of the anisotropy of black shale in dynamic tensile strength. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	11
15	The Influence of Multiple Dynamic Loading on Fragmentation Characteristics in Dynamic Compression Tests. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 1583-1596.	5.4	10
16	An experimental system to evaluate impact shear failure of rock discontinuities. <i>Review of Scientific Instruments</i> , 2021, 92, 034501.	1.3	8
17	Influence of thermal treatment on dynamic mode II fracture properties of rocks using the short core in compression (SCC) method. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 119, 103383.	4.7	8
18	Effect of Filling Humidity on the Propagation of High-Amplitude Stress Waves through an Artificial Joint. <i>Geotechnical Testing Journal</i> , 2019, 42, 30-42.	1.0	6

#	ARTICLE	IF	CITATIONS
19	Dynamic tensile failure of layered sorptive rocks: Shale and coal. Engineering Failure Analysis, 2022, 138, 106346.	4.0	5
20	Note: A concrete erosion sensor based on a chirped fibre optic Bragg grating. Review of Scientific Instruments, 2015, 86, 126107.	1.3	2
21	A dynamic point-load test for quantifying rock dynamic strength parameters. Review of Scientific Instruments, 2017, 88, 113901.	1.3	1