

Piyush Gupta

List of Publications by Year in descending order

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8
papers

499
citations

1306789

7
h-index

1588620

8
g-index

8
all docs

8
docs citations

8
times ranked

336
citing authors

#	ARTICLE	IF	CITATIONS
1	A displacement correlation method for stress intensity factor extraction from 3D fractures in anisotropic materials. <i>Engineering Fracture Mechanics</i> , 2021, 258, 108040.	2.0	4
2	Coupled hydromechanical fracture simulations of nonplanar three-dimensional hydraulic fracture propagation. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2018, 42, 143-180.	1.7	48
3	Accuracy and robustness of stress intensity factor extraction methods for the generalized/eXtended Finite Element Method. <i>Engineering Fracture Mechanics</i> , 2017, 179, 120-153.	2.0	52
4	Coupled formulation and algorithms for the simulation of non-planar three-dimensional hydraulic fractures using the generalized finite element method. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2016, 40, 1402-1437.	1.7	58
5	Improvements of explicit crack surface representation and update within the generalized finite element method with application to three-dimensional crack coalescence. <i>International Journal for Numerical Methods in Engineering</i> , 2014, 97, 231-273.	1.5	35
6	Simulation of non-planar three-dimensional hydraulic fracture propagation. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2014, 38, 1397-1430.	1.7	138
7	Three-dimensional crack growth with hp-generalized finite element and face offsetting methods. <i>Computational Mechanics</i> , 2010, 46, 431-453.	2.2	60
8	hp-Generalized FEM and crack surface representation for non-planar 3D cracks. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 77, 601-633.	1.5	104