

# Piyush Gupta

## List of Publications by Year in descending order

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8  
papers

499  
citations

1307366  
7  
h-index

1588896  
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8  
all docs

8  
docs citations

8  
times ranked

336  
citing authors

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