

Jeanne Pellerin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Testing scenarios on geological models: Local interface insertion in a 2D mesh and its impact on seismic wave simulation. <i>Computers and Geosciences</i> , 2022, 159, 105013.	4.2	1
2	Finding hexahedrizations for small quadrangulations of the sphere. <i>ACM Transactions on Graphics</i> , 2019, 38, 1-13.	7.2	7
3	Automatic correction and simplification of geological maps and cross-sections for numerical simulations. <i>Comptes Rendus - Geoscience</i> , 2019, 351, 48-58.	1.2	17
4	Identifying combinations of tetrahedra into hexahedra: A vertex based strategy. <i>CAD Computer Aided Design</i> , 2018, 105, 1-10.	2.7	8
5	RINGMesh: A programming library for developing mesh-based geomodeling applications. <i>Computers and Geosciences</i> , 2017, 104, 93-100.	4.2	29
6	Immiscible two-phase Darcy flow model accounting for vanishing and discontinuous capillary pressures: application to the flow in fractured porous media. <i>Computational Geosciences</i> , 2017, 21, 1075-1094.	2.4	23
7	Identifying combinations of tetrahedra into hexahedra: a vertex based strategy. <i>Procedia Engineering</i> , 2017, 203, 2-13.	1.2	8
8	Elements for measuring the complexity of 3D structural models: Connectivity and geometry. <i>Computers and Geosciences</i> , 2015, 76, 130-140.	4.2	33
9	3D geomodelling combining implicit surfaces and Voronoi-based remeshing: A case study in the Lorraine Coal Basin (France). <i>Computers and Geosciences</i> , 2015, 77, 29-43.	4.2	46
10	Toward Mixed-element Meshing based on Restricted Voronoi Diagrams. <i>Procedia Engineering</i> , 2014, 82, 279-290.	1.2	10
11	Automatic surface remeshing of 3D structural models at specified resolution: A method based on Voronoi diagrams. <i>Computers and Geosciences</i> , 2014, 62, 103-116.	4.2	40
12	An algorithm for 3D simulation of branchwork karst networks using Horton parameters and $\tilde{\alpha}$... Application to a synthetic case. <i>Geological Society Special Publication</i> , 2012, 370, 295-306.	1.3	17
13	Understanding the evolution of syn-depositional folds: Coupling decompaction and 3D sequential restoration. <i>Marine and Petroleum Geology</i> , 2011, 28, 1530-1539.	3.3	15