

Jeanne Pellerin

List of Publications by Year in descending order

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