Oscar Gratacos Torra

List of Publications by Year
in descending order

16 papers	260 citations	1163117 8 h-index	996975 15 g-index
17 all docs	17 docs citations	17 times ranked	390 citing authors

#	Article	IF	Citations
1	Supervised identification and reconstruction of near-planar geological surfaces from terrestrial laser scanning. Computers and Geosciences, 2011, 37, 1584-1594.	4.2	73
2	Application of Multiple Point Geostatistics toÂNon-stationary Images. Mathematical Geosciences, 2009, 41, 29-42.	2.4	62
3	Influence of Syntectonic Sedimentation and DÃ©collement Rheology on the Geometry and Evolution of Orogenic Wedges: Analog Modeling of the Kuqa Foldâ€andâ€Thrust Belt (NW China). Tectonics, 2019, 38, 2727-2755.	2.8	32
4	Modeling the interaction between presalt seamounts and gravitational failure in salt-bearing passive margins: The Messinian case in the northwestern Mediterranean Basin. Interpretation, 2017, 5, SD99-SD117.	1.1	20
5	Simulating transport and deposition of clastic sediments in an elongate basin using the SIMSAFADIM-CLASTIC program: The Camarasa artificial lake case study (NE Spain). Sedimentary Geology, 2009, 222, 16-26.	2.1	13
6	Distribution of linear mesostructures in oblique folded surfaces: Unravelling superposed Ordovician and Variscan folds in the Pyrenees. Journal of Structural Geology, 2012, 44, 141-150.	2.3	11
7	The 3D reconstruction of geological structures based on remote sensing data: example from the Anaran anticline, Lurestan province, Zagros fold and thrust belt, Iran. Journal of the Geological Society, 2011, 168, 769-782.	2.1	9
8	Modelling Syntectonic Sedimentation: Combining aÂDiscrete Element Model of Tectonic Deformation andÂaÂProcess-based Sedimentary Model in 3D. Mathematical Geosciences, 2010, 42, 519-534.	2.4	8
9	Incorporating nutrients as a limiting factor in carbonate modelling. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 329-330, 150-157.	2.3	5
10	Numerical modelling of syntectonic subaqueous sedimentation: The effect of normal faulting and a relay ramp on sediment dispersal. Tectonophysics, 2016, 684, 100-118.	2.2	5
11	Process-based forward numerical ecological modeling for carbonate sedimentary basins. Computational Geosciences, 2017, 21, 373-391.	2.4	5
12	Comment on â€œThe diachroneity of alluvial-fan lithostratigraphy? A test case from southeastern Ebro basin magnetostratigraphyâ€•by N. Swanson-Hysell and D. L. Barbeau, Jr.. Earth and Planetary Science Letters, 2008, 275, 181-186.	4.4	4
13	Orientation domains: A mobile grid clustering algorithm with spherical corrections. Computers and Geosciences, 2012, 49, 140-150.	4.2	4
14	Analogue modeling as a tool to assist seismic structural interpretation in the Andean fold-and-thrust belt. , 2022, , 43-61.		3
15	Estructura herciniana y alpina de las colinas de Barcelona:. Journal of Iberian Geology, 2011, 37, .	1.3	2
16	Forward numerical modelling constraining environmental parameters (Aptian carbonate system, E) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	2