

# Gema De la Morena

## List of Publications by Year in descending order

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23  
papers

312  
citations

932766

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887659

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24  
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docs citations

24  
times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics data for modelling the microstructural behaviour of compacted sodium bentonites. <i>Applied Clay Science</i> , 2021, 201, 105932.	2.6	7
2	A water retention model accounting for void ratio changes in double porosity clays. <i>Acta Geotechnica</i> , 2021, 16, 2775-2790.	2.9	16
3	Numerical model of free swelling processes in compacted MX-80 bentonites. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 141, 104713.	2.6	8
4	Assessment of temperature effect on bentonite microstructure deformability. <i>Applied Clay Science</i> , 2021, 210, 106156.	2.6	5
5	Modeling the behavior of compacted bentonites under low porosity conditions. <i>Engineering Geology</i> , 2021, 293, 106333.	2.9	3
6	Precomputation of Critical State Soil Plastic Models. <i>Processes</i> , 2021, 9, 2142.	1.3	1
7	Sensitivity of bentonite swelling to pore water activity. <i>Environmental Geotechnics</i> , 2020, 7, 32-41.	1.3	2
8	A triple porosity hydro-mechanical model for MX-80 bentonite pellet mixtures. <i>Engineering Geology</i> , 2020, 265, 105311.	2.9	14
9	From double to triple porosity modelling of bentonite pellet mixtures. <i>Engineering Geology</i> , 2020, 274, 105714.	2.9	15
10	A numerical inspection on the squeezing test in active clays. <i>Geotechnique</i> , 2019, 69, 329-343.	2.2	3
11	Development of a multiphysics numerical solver for modeling the behavior of clay-based engineered barriers. <i>Nuclear Engineering and Technology</i> , 2019, 51, 1047-1059.	1.1	14
12	Modelling the hydro-mechanical behaviour of GMZ bentonite. <i>Engineering Geology</i> , 2018, 239, 195-205.	2.9	9
13	A microstructural effective stress definition for compacted active clays. <i>Geomechanics for Energy and the Environment</i> , 2018, 15, 47-53.	1.2	27
14	Intra-aggregate water content and void ratio model for MX-80 bentonites. <i>Engineering Geology</i> , 2018, 246, 131-138.	2.9	16
15	Salinity effects on the erosion behaviour of MX-80 bentonite: A modelling approach. <i>Applied Clay Science</i> , 2018, 161, 494-504.	2.6	6
16	Modelling of compacted bentonite swelling accounting for salinity effects. <i>Engineering Geology</i> , 2017, 223, 48-58.	2.9	56
17	A simple procedure to simulate a smooth elastic-plastic transition in Cam-Clay models. <i>Computers and Geotechnics</i> , 2017, 90, 27-33.	2.3	2
18	Predicting the swelling pressure of MX-80 bentonite. <i>Applied Clay Science</i> , 2017, 149, 51-58.	2.6	27

#	ARTICLE	IF	CITATIONS
19	A simple procedure to improve the explicit integration of Cam-Clay models. Computers and Geotechnics, 2017, 81, 207-211.	2.3	6
20	EDUCATIONAL UTILITY OF SOFTWARE DEVELOPMENT IN ENGINEERING TEACHING. THE EXAMPLE OF AN UNSATURATED SOIL WATER FLOW CODE. INTED Proceedings, 2017, , .	0.0	0
21	Swelling and mechanical erosion of MX-80 bentonite: Pinhole test simulation. Engineering Geology, 2016, 202, 99-113.	2.9	19
22	Differentiated intra- and inter-aggregate water content models of mx-80 bentonite. Applied Clay Science, 2015, 118, 325-336.	2.6	52
23	A catenary model for the analysis of arching effect in soils and its application to predicting sinkhole collapse. Geotechnique, 0, , 1-11.	2.2	4