

# Alfonso Rodriguez Dono

## List of Publications by Year in descending order

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15  
papers

537  
citations

1040056

9  
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996975

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all docs

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docs citations

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times ranked

278  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground reaction curves for tunnels excavated in different quality rock masses showing several types of post-failure behaviour. <i>Tunnelling and Underground Space Technology</i> , 2009, 24, 689-705.	6.2	146
2	Application of the convergence-confinement method to tunnels in rock masses exhibiting Hoek's Brown strain-softening behaviour. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2010, 47, 150-160.	5.8	139
3	Plastic radii and longitudinal deformation profiles of tunnels excavated in strain-softening rock masses. <i>Tunnelling and Underground Space Technology</i> , 2012, 30, 169-182.	6.2	87
4	Analysis and modelling of longitudinal deformation profiles of tunnels excavated in strain-softening time-dependent rock masses. <i>Computers and Geotechnics</i> , 2020, 125, 103643.	4.7	32
5	Numerical solutions for tunnels excavated in strain-softening rock masses considering a combined support system. <i>Applied Mathematical Modelling</i> , 2021, 92, 905-930.	4.2	28
6	DEM simulation of soil-tool interaction under extraterrestrial environmental effects. <i>Journal of Terramechanics</i> , 2017, 71, 1-13.	3.1	25
7	Increasing understanding and confidence in THM simulations of Engineered Barrier Systems. <i>Environmental Geotechnics</i> , 2020, 7, 59-71.	2.3	12
8	Hydro-mechanical modelling and analysis of multi-stage tunnel excavations using a smoothed excavation method. <i>Computers and Geotechnics</i> , 2021, 135, 104150.	4.7	12
9	Mining footprint of the underground longwall caving extraction method: A case study of a typical industrial coal area in China. <i>Journal of Hazardous Materials</i> , 2022, 425, 127762.	12.4	10
10	Assessment of a high-level spent nuclear fuel disposal model. <i>Environmental Geotechnics</i> , 2020, 7, 42-58.	2.3	9
11	Fostering Sustainability and Critical Thinking through Debate – A Case Study. <i>Sustainability</i> , 2021, 13, 6397.	3.2	9
12	Size effect on the hydraulic behavior of fluid flow through a single rough-walled fracture. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 143, 106615.	3.8	8
13	Coupled solid-fluid response of deep tunnels excavated in saturated rock masses with a time-dependent plastic behaviour. <i>Applied Mathematical Modelling</i> , 2021, 100, 508-535.	4.2	8
14	Numerical analysis of anisotropic stiffness and strength for geomaterials. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2023, 15, 323-338.	8.1	7
15	Influence of time-dependence on failure of echelon rock joints through a novel DEM model. <i>European Journal of Environmental and Civil Engineering</i> , 2015, 19, s108-s118.	2.1	5