

Eduardo Rojas

List of Publications by Year in descending order

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42
papers

394
citations

840776

11
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all docs

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docs citations

42
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Delimitation of ground failure zones due to land subsidence using gravity data and finite element modeling in the Quer�taro valley, M�xico. <i>Engineering Geology</i> , 2006, 84, 143-160.	6.3	79
2	A method to predict the group fissuring and faulting caused by regional groundwater decline. <i>Engineering Geology</i> , 2002, 65, 245-260.	6.3	52
3	Equivalent Stress Equation for Unsaturated Soils. I: Equivalent Stress. <i>International Journal of Geomechanics</i> , 2008, 8, 285-290.	2.7	30
4	Equivalent Stress Equation for Unsaturated Soils. II: Solid-Porous Model. <i>International Journal of Geomechanics</i> , 2008, 8, 291-299.	2.7	19
5	Cellular Concrete Bricks with Recycled Expanded Polystyrene Aggregate. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-5.	1.8	16
6	Detection of ULF geomagnetic signals associated with seismic events in Central Mexico using Discrete Wavelet Transform. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 2557-2564.	3.6	15
7	Detection of electromagnetic anomalies of three earthquakes in Mexico with an improved statistical method. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 2021-2027.	3.6	15
8	Volumetric behavior of unsaturated soils. <i>Canadian Geotechnical Journal</i> , 2013, 50, 209-222.	2.8	15
9	Expansion reduction of clayey soils through Surcharge application and Lime Treatment. <i>Case Studies in Construction Materials</i> , 2017, 7, 102-109.	1.7	15
10	Analysis of Deep Moisture Barriers in Expansive Soils. II: Water Flow Formulation and Implementation. <i>International Journal of Geomechanics</i> , 2006, 6, 319-327.	2.7	13
11	A porous model to simulate the evolution of the soil's water characteristic curve with volumetric strains. <i>Comptes Rendus - Mecanique</i> , 2015, 343, 264-274.	2.1	13
12	A probabilistic solid-porous model to determine the shear strength of unsaturated soils. <i>Probabilistic Engineering Mechanics</i> , 2011, 26, 481-491.	2.7	11
13	Use of Effective Stresses to Model the Collapse upon Wetting in Unsaturated Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015, 141, 04015007.	3.0	11
14	MODELING HYSTERESIS OF THE SOIL-WATER CHARACTERISTIC CURVE. <i>Soils and Foundations</i> , 2005, 45, 135-145.	0.7	10
15	Analysis of Deep Moisture Barriers in Expansive Soils. I: Constitutive Model Formulation. <i>International Journal of Geomechanics</i> , 2006, 6, 311-318.	2.7	9
16	A random solid-porous model to simulate the retention curves of soils. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013, 37, 932-944.	3.3	7
17	Fully coupled hydromechanical model for compacted soils. <i>Comptes Rendus - Mecanique</i> , 2019, 347, 1-18.	2.1	7
18	A fully coupled simple model for unsaturated soils. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019, 43, 1143-1161.	3.3	7

#	ARTICLE	IF	CITATIONS
19	A POROUS MODEL FOR THE INTERPRETATION OF MERCURY POROSIMETRY TESTS. Journal of Porous Media, 2012, 15, 517-530.	1.9	7
20	Simulation of the shear strength for unsaturated soils. Comptes Rendus - Mecanique, 2013, 341, 727-742.	2.1	6
21	Thermomechanical Anisotropic Model for Soils. Soils and Foundations, 2000, 40, 61-75.	3.1	6
22	A four elements porous model to estimate the strength of unsaturated soils. Geotechnical and Geological Engineering, 2011, 29, 193-202.	1.7	5
23	Closure to "Analysis of Deep Moisture Barriers in Expansive Soils. I: Constitutive Model Formulation" by Eduardo Rojas, Miguel P. Romo, and Refugio Cervantes. International Journal of Geomechanics, 2009, 9, 87-88.	2.7	3
24	Sustainable Use of Tepetate Composite in Earthen Structure. Advances in Materials Science and Engineering, 2013, 2013, 1-6.	1.8	3
25	Probabilistic Porous Model to Simulate the Retention Curve of Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 320-329.	3.0	3
26	Simulating Undrained Tests on Unsaturated Soils. International Journal of Geomechanics, 2020, 20, 04019165.	2.7	3
27	CBR Predictive Models for Granular Bases Using Physical and Structural Properties. Applied Sciences (Switzerland), 2020, 10, 1414.	2.5	3
28	Soil-Pile Interface Model for Axially Loaded Single Piles. Soils and Foundations, 1999, 39, 35-45.	3.1	2
29	Elastic moduli of soils dependent on pressure: a hyperelastic formulation. Geotechnique, 2005, 55, 383-392.	4.0	2
30	A Probabilistic Model for the Soil-Water Characteristic Curve. , 2006, , 2453.		1
31	Tepetate as Construction Material. Journal of Materials in Civil Engineering, 2013, 25, 1772-1775.	2.9	1
32	Geocharacterisation of the "Tepetates" European Journal of Environmental and Civil Engineering, 2013, 17, 129-140.	2.1	1
33	Application of Optimum Compaction Energy in the Development of Bricks Made with Construction Trash Soils. Advances in Materials Science and Engineering, 2014, 2014, 1-5.	1.8	1
34	An effective stress approach for hydro-mechanical coupling of unsaturated soils. E3S Web of Conferences, 2016, 9, 17006.	0.5	1
35	Electromagnetic attenuation of eight earthquakes registered in Mexico using FFT-based spectrum and <i>t</i> -test statistical analysis for ULF Q-R ratios signals. Geomatics, Natural Hazards and Risk, 2016, 7, 1207-1218.	4.3	1
36	The Effect of the Grain-Size Distribution on Expansion and Collapse Behavior of Expansive Soils and Their Implications. International Journal of Geosynthetics and Ground Engineering, 2022, 8, 1.	2.0	1

#	ARTICLE	IF	CITATIONS
37	Equivalent Stress for Unsaturated Soils. , 2006, , 2371.		0
38	Closure to "Analysis of Deep Moisture Barriers in Expansive Soils. II: Water Flow Formulation and Implementation" by Eduardo Rojas, Miguel P. Romo, Paul Garnica, and Refugio Cervantes. International Journal of Geomechanics, 2009, 9, 84-84.	2.7	0
39	An Elastoplastic Framework for Expansive Soils Based on Effective Stresses. , 2018, , .		0
40	Análisis esfuerzo-deformación de concreto reforzado con fibras metálicas y polímeros. Ingeniería e Investigación Y Tecnología, 2021, 22, 1-11.	0.1	0
41	Linking Microstructural Behavior with Macrostructural Observations on Unsaturated Porous Media. Springer Series in Geomechanics and Geoengineering, 2018, , 123-127.	0.1	0
42	UNIFIED ELASTOPLASTIC FRAMEWORK FOR THE VOLUMETRIC BEHAVIOR OF UNSATURATED SOILS DURING DRAINED, UNDRAINED AND STATIC COMPACTION TESTS. Canadian Geotechnical Journal, 0, , .	2.8	0