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1784	Constitutive Laws. 1995 , 129-158		30
1783	Fully Coupled Analysis of Heat, Moisture, and Air Transfer in Unsaturated Soil. 1995 , 121, 392-405		99
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1781	THE RELATIONSHIP BETWEEN THE MECHANICAL BEHAVIOR AND THE STATE OF POREWATER IN UNSATURATED SOIL. 1996 , 1996, 83-92		15
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1778	Ultimate Strength Matric Stress Relationship. 1997 , 123, 938-947		

1777	THE RELATIONSHIP BETWEEN SHEARING CHARACTERISTICS AND THE COMPOSITION OF PORE-WATER IN UNSATURATED SOIL. 1997 , 1997, 49-58	6
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1775	Variation of the critical-state boundaries of an agricultural soil. 1997 , 48, 739-748	2
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1773	An experimental and theoretical study of a partially saturated collapsible rock. 1997 , 2, 251-278	86
1772	A coupled heat/moisture transfer theory for deformable unsaturated soil and its algorithmic implementation. 1997 , 40, 3421-3441	80
1771	Suction-controlled experiments on Boom clay. 1997 , 47, 325-338	39
1770	The relationship between suction and swelling properties in a heavily compacted unsaturated clay. 1998 , 50, 31-48	310
1769	A vanishing diffusion process in unsaturated soils. 1998 , 33, 1027-1037	5
1768	Coupled analysis of a backfill hydration test. 1998 , 22, 1-27	8
1767	An examination of the validation of a model of the hydro/thermo/mechanical behaviour of engineered clay barriers. 1998 , 22, 49-71	44
1766	Analysis of a full scale in situ test simulating repository conditions. 1998 , 22, 515-548	122
1765	Interpreting Settlement Profiles of Earth Dams. 1998 , 124, 923-932	13
1764	Unsaturated Behaviour of Earthfill Dams. 1998 , 685-694	
1763	A hyperbolic model for volume change behavior of collapsible soils. 1998 , 35, 264-272	11
1762	Coupled Model for Heat, Moisture, Air Flow, and Deformation Problems in Unsaturated Soils. 1998 , 124, 1331-1338	17
1761	Plane-Strain Modelling for Unsaturated Soil. 1998 , 463-472	
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1758	Finite element method and constitutive modelling and computation for unsaturated soils. 1999 , 169, 135-159	23
1757	Elastoplastic subsidence models with and without capillary effects. 1999 , 171, 491-502	21
1756	Inclusion of expansive clay behaviour in coupled thermo hydraulic mechanical models. 1999 , 54, 93-108	32
1755	Modelling the mechanical behaviour of expansive clays. 1999 , 54, 173-183	369
1754	Overall volume change, water volume change, and yield associated with an unsaturated compacted loess. 1999 , 36, 321-329	27
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1752	Effective Stress Behavior of Quasi-Saturated Compacted Cohesive Soils. 1999 , 125, 322-329	6
1751	An Elasto-Plastic Model for Unsaturated Soil in Three-Dimensional Stresses. 2000 , 40, 17-28	60
1750	Simulating Deformation of an Excess Spoil Fill. 2000 , 303	
1749	STRESS-STRAIN RELATIONSHIP FOR UNSATURATED SOIL. 2000 , 2000, 153-164	
1748	SOIL/WATER COUPLED ANALYSIS CONSIDERING UNSATURATED PORE WATER DISTRIBUTION. 2000 , 2000, 165-178	2
1747	Deformation Characteristics of a Compacted Clay in Collapse Under Isotropic and Triaxial Stress State. 2000 , 40, 75-90	36
1746	Use of coupled finite element analysis in unsaturated soil problems. 2000 , 24, 73-94	9
1745	A three-phase model for unsaturated soils. 2000 , 24, 893-927	162
1744	Yielding characteristics of unsaturated compacted soils. 2000 , 5, 291-303	5
1743	A fully coupled finite element analysis of water-table fluctuation and land deformation in partially saturated soils due to surface loading. 2000 , 49, 1101-1119	30
1742	Comportement thermomécanique de l'argile de Boom. 2000 , 328, 457-463	2

1741	A stress point algorithm for an elastoplastic model in unsaturated soils. 2000 , 16, 121-141		38
1740	Modeling swelling soils for disposal barriers. 2000 , 27, 19-43		36
1739	Volume Change Behavior of Collapsible Compacted Gneiss Soil. 2000 , 126, 907-916		78
1738	A Fully Coupled Analysis Procedure for Dynamic Behavior of Unsaturated Soils. 2000 , 165		
1737	Role of Matric Suction in Collapse of Compacted Clay Soil. 2000 , 126, 85-90		31
1736	Surconsolidation apparente et pression osmotique dans un sđiment marin. 2000 , 331, 379-386		2
1735	A system for controlled suction in triaxial tests. <i>Geotechnique</i> , 2000 , 50, 465-469	3-4	57
1734	A thermomechanical model for saturated clays. 2000 , 37, 607-620		184
1733	Influence of compaction procedure on the mechanical behaviour of an unsaturated compacted clay. Part 1: Wetting and isotropic compression. <i>Geotechnique</i> , 2000 , 50, 359-368	3-4	101
1732	Influence of compaction procedure on the mechanical behaviour of an unsaturated compacted clay. Part 2: shearing and constitutive modelling. <i>Geotechnique</i> , 2000 , 50, 369-376	3-4	62
1731	Experimental behaviour and modelling of an unsaturated compacted soil. 2000 , 37, 748-763		66
1730	An Elastoplastic Constitutive Model for Partially Saturated Soils. 2001 , 1134-1145		1
1729	Behavior of a Loosely Compacted Unsaturated Volcanic Soil. 2001 , 127, 1027-1036		39
1728	Unsaturated Soil Concepts and Their Application in Geotechnical Practice. 2001 ,		4
1727	Continuum Mechanics and Applications in Geophysics and the Environment. 2001 ,		3
1726	Constitutive modelling of unsaturated soils. 2001 , 5, 797-807		11
1725	Experimental techniques used in the investigation of coupled THMC behaviour of geomaterials. 2001 , 5, 777-796		1
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1723	DETERMINING MATRIC STRESS WITH THE MODIFIED CAM CLAY ENERGY RELATIONSHIP. 2001 , 44,		
1722	The strength of unsaturated bentonite-enhanced sand. <i>Geotechnique</i> , 2001 , 51, 767-775	3-4	1
1721	EFFECTS OF SUCTION ON STRENGTH CHARACTERISTICS OF UNCONFINED COMPRESSION TEST FOR A COMPACTED SILTY CLAY. 2001 , 2001, 201-218		3
1720	COUPLED THERMO-HYDRO-MECHANICAL ANALYSIS IN THE NEAR FIELD FOR GEOLOGICAL DISPOSAL OF HIGH-LEVEL RADIOACTIVE WASTE. 2001 , 2001, 9-25		1
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1718	Mathematical formulation of thermo-hygro-mechanical coupling problem in non-saturated porous media. 2001 , 190, 5105-5122		16
1717	Thermohydromechanics of partially saturated geological media: governing equations and formulation of four finite element models. 2001 , 38, 105-127		174
1716	Parameter identification for a suction-dependent plasticity model. 2001 , 25, 273-288		20
1715	An elasto-plastic model for non-isothermal analysis of flow and deformation in unsaturated porous media: formulation. 2001 , 38, 8305-8330		77
1714	The role of pore water in the mechanical behavior of unsaturated soils. 2001 , 19, 211-241		74
1713	Environmental Geomechanics. 2001 ,		1
1712	Oil field subsidence phenomena. 2001 , 5, 857-866		
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1710	A possible elastic?plastic framework for unsaturated soils with high-plasticity. 2002 , 39, 894-907		24
1709	THE MECHANICAL BEHAVIOR OF UNSATURATED SOILS AND WATER RETENTION CHARACTERISTICS ON UNDRAINED TRIAXIAL COMPRESSION TEST. 2002 , 2002, 287-296		1
1708	Aspects of the behaviour of compacted clayey soils on drying and wetting paths. 2002 , 39, 1341-1357		95
1707	Small strain behavior of a silty sand in controlled-suction resonant column ? torsional shear tests. 2002 , 39, 22-31		123
1706	Numerical Analysis of a Tunnel in Residual Soils. 2002 , 128, 227-236		17

1705	An equation of state for unsaturated soils. 2002 , 39, 125-140	15
1704	Mechanics and thermodynamics of saturated/unsaturated porous materials and quantitative solutions*. 2002 , 55, 351-388	136
1703	Stress-strain behaviour of unsaturated soil in true triaxial tests. 2002 , 39, 608-619	57
1702	Metastable states of silty clays during drying. 2002 , 39, 992-999	8
1701	Advances in Soil Dynamics Volume 2. 2002 ,	
1700	Elastoplastic Soil Mechanics. 2002 , 1-16	1
1699	Microstructural deformation mechanisms of unsaturated granular soils. 2002 , 26, 433-468	59
1698	Simulating the collapse of unsaturated soil by DEM. 2002 , 26, 633-646	30
1697	Modelling of elastoplastic damage in concrete due to desiccation shrinkage. 2002 , 26, 759-774	42
1696	Mechanical behaviour of Lixhe chalk partly saturated by oil and water: experiment and modelling. 2002 , 26, 897-924	54
1695	Comments on use of the Barcelona Basic Model for unsaturated soils. 2002 , 26, 1561-1571	46
1694	Instability and dispersivity of wave propagation in inelastic saturated/unsaturated porous media. 2002 , 23, 35-52	1
1693	An effective stress elastic-plastic model for unsaturated porous media. 2002 , 34, 97-116	178
1692	Validation of an extended critical state model using the mechanical behaviour of an agricultural soil. 2002 , 68, 1-16	2
1691	An elastoplastic model for unsaturated rocks and concrete. 2002 , 29, 383-390	21
1690	Soil heterogeneity and preferential paths for gas migration. 2002 , 64, 251-271	25
1689	Suctions, stresses and strengths in unsaturated sand-Bentonite. 2002 , 64, 147-156	37
1688	A model for the volume change behavior of heavily compacted swelling clays. 2002 , 64, 233-250	115

1687	Thermo-hydro-mechanical coupling in clay barriers. 2002 , 64, 179-193		87
1686	Analysis of Post-Failure Slope Movements within the Framework of Hazard and Risk Analysis. 2002 , 26, 81-107		28
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1683	Finite element formulation and algorithms for unsaturated soils. Part I: Theory. 2003 , 27, 745-765		130
1682	Finite element formulation and algorithms for unsaturated soils. Part II: Verification and application. 2003 , 27, 767-790		61
1681	Three-dimensional elasto-plastic model for unsaturated compacted soils with different initial densities. 2003 , 27, 1079-1098		22
1680	Thermo-plasticity of clays. 2003 , 30, 649-660		178
1679	Numerical study of soil collapse behavior by discrete element modelling. 2003 , 30, 399-408		38
1678	Constitutive modeling of unsaturated soil behavior under axisymmetric stress states using a stress/suction-controlled cubical test cell. 2003 , 19, 1481-1515		21
1677	Comportement hydromécanique d'un sol gonflant compacté sous très fortes suctions. 2003 , 331, 203-210		8
1676	A neural network framework for mechanical behavior of unsaturated soils. 2003 , 40, 684-693		41
1675	Mechanical behaviour of heavily compacted bentonite under high suction changes. <i>Geotechnique</i> , 2003 , 53, 27-40	3-4	331
1674	Modelling the variation of degree of saturation in a deformable unsaturated soil. <i>Geotechnique</i> , 2003 , 53, 105-112	3-4	321
1673	Suction effects on a compacted clay under non-isothermal conditions. <i>Geotechnique</i> , 2003 , 53, 65-81	3-4	127
1672	A state-dependent elasto-plastic model for saturated and unsaturated soils. <i>Geotechnique</i> , 2003 , 53, 809-829	3-4	85
1671	Laboratory Study of Loose Saturated and Unsaturated Decomposed Granitic Soil. 2003 , 129, 550-559		44
1670	Coupling of hydraulic hysteresis and stress-strain behaviour in unsaturated soils. <i>Geotechnique</i> , 2003 , 53, 41-54	3-4	558

1669	A model to predict the water retention curve from basic geotechnical properties. 2003 , 40, 1104-1122		196
1668	The influence of partial soil saturation on pile behaviour. <i>Geotechnique</i> , 2003 , 53, 11-25	3-4	30
1667	Elastic-plastic modelling of unsaturated soil using results from a new triaxial test with controlled suction. <i>Geotechnique</i> , 2003 , 53, 113-122	3-4	54
1666	Critical-state parameters for an unsaturated residual sandy clay. <i>Geotechnique</i> , 2003 , 53, 93-103	3-4	85
1665	Water infiltration into a large-scale in-situ experiment in an underground research laboratory. <i>Geotechnique</i> , 2003 , 53, 207-224	3-4	40
1664	An elasto-plastic model for unsaturated soil incorporating the effects of suction and degree of saturation on mechanical behaviour. <i>Geotechnique</i> , 2003 , 53, 123-135	3-4	396
1663	. 2003 ,		150
1662	Time-Dependent Behaviour of Oil Reservoir Chalk : A Multiphase Approach. 2003 , 43, 131-147		30
1661	Unsaturated Constitutive Surfaces from Pressuremeter Tests. 2004 , 130, 174-185		10
1660	Fabric Changes of a Pellet-Based Bentonite Buffer Material and Their Effects on Mechanical Behaviour. 2004 , 341-346		1
1659	An Elastoplastic Damage Model for Unsaturated Argillites. 2004 , 2, 495-500		
1658	Mechanical Behaviour of Chalk Reservoirs: Numerical Modelling of Water Sensitivity Effects. 2004 , 587-592		1
1657	Swelling-shrinking properties of weathered clayey soils associated with shallow landslides. 2004 , 37, 77-94		13
1656	A constitutive model for unsaturated soils: thermomechanical and computational aspects. 2004 , 33, 453-465		213
1655	Thermo-hygro-mechanical degradation of concrete: From coupled 3D material modelling to durability-oriented multifield structural analyses. 2004 , 37, 244-256		27
1654	A thermo-hydro-mechanical constitutive model and its numerical modelling for unsaturated soils. 2004 , 31, 155-167		45
1653	Implementation of plasticity based models in dynamic analysis of earth and rockfill dams: A comparison of PastorZienkiewicz and cap models. 2004 , 31, 384-409		33
1652	Numerical simulation of geotechnical problems based on a multi-phase finite element approach. 2004 , 31, 643-664		22

1651	Mechanical behaviour of unsaturated marine sediments: experimental and theoretical approaches. 2004 , 213, 323-342	30
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1649	Fabric evolution during hydromechanical loading of a compacted silt. 2004 , 28, 483-499	74
1648	Modeling of the confining effect due to the geosynthetic wrapping of compacted soil specimens. 2004 , 22, 329-358	10
1647	Cam-Clay plasticity. Part V: A mathematical framework for three-phase deformation and strain localization analyses of partially saturated porous media. 2004 , 193, 5301-5338	196
1646	Sur le caract�re thermo-extensif de la surface de charge d'un sol non satur�. 2004 , 332, 153-159	3
1645	Effect of compaction pressure on consolidation behaviour of unsaturated silty soil. 2004 , 41, 540-550	33
1644	A Constitutive Model for Chemically Sensitive Clays. 2004 , 255-264	
1643	Shear strength of a compacted residual soil from consolidated drained and constant water content triaxial tests. 2004 , 41, 421-436	98
1642	D�termination indirecte des limites d'Atterberg par gravim�rie dynamique. 2004 , 336, 1233-1238	3
1641	COUPLED THERMAL HYDRAULIC AND MECHANICAL ANALYSES TO EVALUATE SWELLING CHARACTERISTICS. 2004 , 2004, 21-31	1
1640	On the collapse behaviour of oil reservoir chalk. <i>Geotechnique</i> , 2004 , 54, 415-420	3-4 33
1639	Computational Geomechanics Including Consolidation. 2004 ,	
1638	Hydro-mechanical behaviour of a clayey silt under isotropic compression. 2005 , 331-342	4
1637	Unified approach of coupled constitutive laws. 2005 , 9, 713-723	
1636	THM behaviour of engineered and natural clay barriers. 2005 , 9, 797-808	1
1635	Effects of intergranular adhesive force on failure criterion of granular materials. 2005 , 81-97	1
1634	An experimental investigation of the mechanical behaviour of an unsaturated gneiss residual soil. <i>Geotechnique</i> , 2005 , 55, 201-213	3-4 44

1633	A deterministic/stochastic model to predict the variation in bulk modulus of chalk. <i>Geotechnique</i> , 2005 , 55, 135-141	3.4	1
1632	Evaluating permissible subgrade rut depth in pavement design. 2005 , 158, 45-56		2
1631	Fabric Evolution of an Unsaturated Compacted Soil during Hydromechanical Loading. 2005 , 147-158		
1630	The concept of Apparent Compression Index. 2005 , 343-354		
1629	Modelling the FEBEX THM experiment using a state surface approach. 2005 , 42, 639-651		56
1628	Sand stress analysis around a producing wellbore with a simplified capillarity model. 2005 , 42, 1015-1027		5
1627	Expansive bentonite sand mixtures in cyclic controlled-suction drying and wetting. 2005 , 81, 213-226		167
1626	Analysis of the hydration of a bentonite seal in a deep radioactive waste repository. 2005 , 81, 317-328		17
1625	Study of desaturation and resaturation in brittle rock with anisotropic damage. 2005 , 81, 341-352		20
1624	Modelling of hysteresis response for arbitrary wetting/drying paths. 2005 , 32, 133-137		89
1623	A double structure generalized plasticity model for expansive materials. 2005 , 29, 751-787		152
1622	Thermal effects in partially saturated soils: a constitutive model. 2005 , 29, 861-877		26
1621	Effect of suction on the mechanical behaviour of iron ore rock. 2005 , 29, 789-827		22
1620	Modelling chemo-hydro-mechanical behaviour of unsaturated clays: a feasibility study. 2005 , 29, 919-940		24
1619	Adaptation of existing behaviour models to unsaturated states: application to CJS model. 2005 , 29, 1127-1155	50	
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1617	Bibliography. 2005 , 285-292		
1616	Use of triaxial stress state framework to evaluate the mechanical behaviour of an agricultural clay soil. 2005 , 81, 71-85		1

1615	The application of a three-surface kinematic hardening model to repeated loading of thinly surfaced pavements. 2005 , 7, 145-156		1
1614	A STUDY OF THE EVALUATION METHOD FOR DEFORMATION CHARACTERISTIC OF COMPACTED SOIL. 2005 , 2005, 806_33-806_44		1
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1612	Mechanical Modelling and Computational Issues in Civil Engineering. 2005 ,		4
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1610	Closure to Unsaturated Constitutive Surfaces from Pressuremeter Tests by Fernando Schnaid, Luis Artur Kratz de Oliveira, and Wai Ying Yuk Gehling. 2005 , 131, 1186-1187		
1609	Tensile Strength of Compacted Clays. 2005 , 395-412		6
1608	Effect of stress state on the unsaturated shear strength of a weathered granite. 2005 , 42, 624-631		95
1607	Thermo-mechanical Behaviour of a Soil. Yield Surface Evolution. 2005 , 125-134		
1606	Conservation laws for three-phase partially saturated granular media. 2005 , 3-14		3
1605	An introduction to the constitutive modelling of unsaturated soils. 2005 , 9, 651-669		13
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1602	Unsaturated Soils: Experimental Studies. 2005 ,		4
1601	New data about surface subsidence above gas reservoirs. 2005 , 9, 817-825		1
1600	Field simulation of in situ water content and temperature changes due to ground-atmospheric interactions. <i>Geotechnique</i> , 2005 , 55, 557-567	3.4	60
1599	Influence de sollicitations hydriques et mcaniques complexes sur le comportement d'un sol gonflant compact. 2005 , 42, 731-741		10
1598	Finite element analysis of strain localization in multiphase materials. 2005 , 9, 767-778		3

1597	Coupling of hydraulic and mechanical behaviour in unsaturated compacted clay. <i>Geotechnique</i> , 2005 , 55, 307-317	3-4	146
1596	Coupled multiphysics problems in geomechanics. 2005 , 9, 561-595		
1595	A unified framework for elastoplasticity of unsaturated soils: From capillary hysteresis to soil skeletal deformations. 2005 , 111-123		
1594	Isotropic Hardening and Critical State Theory. 2006 , 86-152		
1593	Elastoplasticité et endommagement dans un matériau cimentaire en cours de dessiccation. 2006 , 10, 405-421		
1592	Unsaturated Soil Mechanics in Engineering Practice. 2006 , 132, 286-321		188
1591	Challenges to modelling heave in expansive soils. 2006 , 43, 1249-1272		27
1590	Elastoplastic Model for the Long-Term Behavior Modeling of Unbound Granular Materials in Flexible Pavements. 2006 , 6, 279-289		71
1589	Suction Stress Characteristic Curve for Unsaturated Soil. 2006 , 132, 131-142		530
1588	Analysis of Deep Moisture Barriers in Expansive Soils. I: Constitutive Model Formulation. 2006 , 6, 311-318		7
1587	Numerical modelling of coupled poromechanics processes. 2006 , 10, 669-701		1
1586	Wetting, drying and compression characteristics of compacted clay. <i>Geotechnique</i> , 2006 , 56, 57-62	3-4	56
1585	An Elastoplastic Model for Unsaturated Soils Under General Three-Dimensional Conditions. 2006 , 46, 613-628		2
1584	Elasto-Plasticity of Unsaturated Soils: Laboratory Test Results on a Remoulded Silt. 2006 , 46, 545-556		30
1583	Stochastic poromechanical modeling of anthropogenic land subsidence. 2006 , 43, 3324-3336		24
1582	SUT-DAM: An integrated software environment for multi-disciplinary geotechnical engineering. 2006 , 37, 728-753		19
1581	A coupled elastoplastic damage model for semi-brittle materials and extension to unsaturated conditions. 2006 , 38, 218-232		154
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1579	Effect of loading rate on the volume change behavior of unsaturated residual soil. 2006 , 24, 1527-1544	10
1578	Enhancing the Bolzon-Schrefler-Zienkiewicz Constitutive Model for Partially Saturated Soil. 2006 , 65, 1-30	50
1577	Finite element analysis of non-isothermal multiphase geomaterials with application to strain localization simulation. 2006 , 37, 331-348	60
1576	Elastoplastic deformation of a porous rock and water interaction. 2006 , 22, 2195-2225	101
1575	On constitutive modelling of unsaturated soils. 2006 , 1, 137-147	144
1574	A unified bounding surface plasticity model for unsaturated soils. 2006 , 30, 181-212	115
1573	Size and shape evolution of pores in a viscoplastic matrix under compression. 2006 , 30, 1259-1281	10
1572	Constitutive Modeling and Discontinuous Bifurcation Assessment in Unsaturated Soils. 2006 , 73, 1039-1044	13
1571	Micromechanical Study of the Dynamic Response of Unsaturated Granular Soil Deposits. 2006 , 1	
1570	Dynamic Behavior of Unsaturated Soils Using a Web-Based Parallel Computing Tool. 2006 , 1	
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1568	Elastoplastic Damage Modeling in Unsaturated Rocks and Applications. 2006 , 6, 119-130	19
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1566	Theoretical and Numerical Unsaturated Soil Mechanics. 2007 ,	
1565	A Micro-Mechanical Study of the Dynamic Response of Unsaturated Level Sites and Sloping Grounds. 2007 , 1	0
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1563	Unified Stress Framework for Modelling Unsaturated Subsoil Behaviour. 2007 , 8, 767-781	1
1562	Mechanical Behaviour of Compacted Scaly Clay During Cyclic Controlled-Suction Testing. 2007 , 345-354	6

1561	Inclusion of Some Aspects of Chemical Behavior of Unsaturated Soil in Thermo/Hydro/Chemical/Mechanical Models. II: Application and Transport of Soluble Salts in Compacted Bentonite. 2007 , 133, 348-356	9
1560	Inclusion of Some Aspects of Chemical Behavior of Unsaturated Soil in Thermo/Hydro/Chemical/Mechanical Models. I: Model Development. 2007 , 133, 338-347	26
1559	Use of State Surface Approach to Explain the Barcelona Basic Model. 2007 , 101-107	3
1558	Critical State Behavior of a Compacted Silt Specimen. 2007 , 47, 749-755	23
1557	A Three-Dimensional Elastoplastic Model for Unsaturated Compacted Soils with Hydraulic Hysteresis. 2007 , 47, 253-264	37
1556	A deterministic/stochastic model to predict the variation in bulk modulus of chalk. 2007 , 93-99	
1555	A constitutive model for soft clayey rocks that includes weathering effects. <i>Geotechnique</i> , 2007 , 57, 137-141	35
1554	Computational Geomechanics Including Consolidation. 2007 ,	
1553	Elastoplastic damage modelling of argillite in partially saturated condition and application. 2007 , 32, 656-666	36
1552	Confined wetting of FoCa clay powder/pellet mixtures: Experimentation and numerical modeling. 2007 , 32, 795-808	6
1551	Hydro-mechanical behaviour of bentonite pellet mixtures. 2007 , 32, 832-849	130
1550	Modelling the field behaviour of a granular expansive barrier. 2007 , 32, 850-865	10
1549	Experimental and numerical analysis of desiccation of a mining waste. 2007 , 44, 644-658	122
1548	A hypoplastic constitutive model for clays with meta-stable structure. 2007 , 44, 363-375	43
1547	Soil-water characteristic curve and consolidation behavior for a compacted silt. 2007 , 44, 266-275	49
1546	Evaluation of the transitional inelastic behaviour of unsaturated clay and mixtures. 2007 , 44, 436-446	13
1545	Collapse behaviour of unsaturated compacted soil with different initial densities. 2007 , 44, 673-686	149
1544	An Elastoplastic Hydro-mechanical Model for Unsaturated Soils. 2007 , 1138-1145	1

1543	Pore size distribution of unsaturated compacted kaolin: the initial states and final states following saturation. <i>Geotechnique</i> , 2007 , 57, 469-474	3-4	79
1542	Effects of net stress and suction history on the small strain stiffness of a compacted clayey silt. 2007 , 44, 447-462		66
1541	Modelling the influence of stress-strain history on the initial shear stiffness of an unsaturated compacted silt. 2007 , 44, 463-472		16
1540	Collapse Behavior of Compacted Silty Clay in Suction-Monitored Oedometer Apparatus. 2007 , 133, 867-877		50
1539	Thermodynamics-based constitutive framework for unsaturated soils. 1: Theory. <i>Geotechnique</i> , 2007 , 57, 411-422	3-4	55
1538	EFFECTS OF SOIL STRUCTURE ON COMPRESSION CURVE FOR UNSATURATED SOIL AFTER SOAKING PROCESS. 2007 , 63, 742-751		
1537	Non-Uniform Settlement of Compacted Earth Structures Caused by the Deformation Characteristics of Unsaturated Soil on Wetting. 2007 , 47, 195-205		16
1536	Assessing Soil Residual Stresses and Their Impact on Cracking Behavior. 2007 ,		
1535	A density-dependent elastoplastic hydro-mechanical model for unsaturated compacted soils. 2007 , 31, 1257-1279		92
1534	Creep of saturated materials as a chemically enhanced rate-dependent damage process. 2007 , 31, 1537-1565		25
1533	Revisiting the constitutive equations of unsaturated porous solids using a Lagrangian saturation concept. 2007 , 31, 1675-1694		68
1532	Numerical modelling of hydro-mechanical behaviour of collapsible soils. 2007 , 24, 1839-1852		10
1531	Critical-state parameters of an unsaturated residual clayey soil from Turkey. 2007 , 94, 1-9		9
1530	A microstructural elastoplastic model for unsaturated granular materials. 2007 , 44, 2304-2323		38
1529	Saturated and unsaturated behaviour modelling of Meuse-Haute-Marne argillite. 2007 , 23, 733-766		56
1528	Influence of matric suction on shear strength behavior of a residual clayey soil. 2007 , 53, 891-901		38
1527	Coupled Thermo-Hydro-Mechanical and Chemical Analysis of Expansive Clay Subjected to Heating and Hydration. 2007 , 66, 341-372		59
1526	Extended yield condition of soils with tensile yield strength and rotational hardening. 2007 , 23, 1939-1956		32

1525	Elastoplastic modelling of hydraulic and stress-strain behaviour of unsaturated soils. 2007 , 39, 212-221	117
1524	Implementation algorithm of a generalised plasticity model for swelling clays. 2008 , 35, 860-871	28
1523	Modelling unsaturated soil behaviour during normal consolidation and at critical state. 2008 , 35, 825-834	26
1522	ESTOCK, a powerful tool of thermohydromechanical behaviour and damage modelling of unsaturated porous media. 2008 , 35, 890-915	29
1521	Unsaturated soils: From constitutive modelling to numerical algorithms. 2008 , 35, 810-824	96
1520	Field Measurement of Suction, Water Content, and Water Permeability. 2008 , 26, 751-782	52
1519	Axis Translation and Negative Water Column Techniques for Suction Control. 2008 , 26, 645-660	53
1518	Non-convexity and stress-path dependency of unsaturated soil models. 2008 , 42, 685-694	10
1517	Effective stress concept in unsaturated soils: Clarification and validation of a unified framework. 2008 , 32, 771-801	338
1516	A cap model for partially saturated soils. 2008 , 32, 981-1004	28
1515	Implicit integration of a chemo-plastic constitutive model for partially saturated soils. 2008 , 32, 1715-1735	11
1514	Micromechanical aspects of the shear strength of wet granular soils. 2008 , 32, 1763-1790	31
1513	A model for pore-fluid-sensitive rock behavior using a weathering state parameter. 2008 , 32, 1927-1953	7
1512	ACMEG-TS: A constitutive model for unsaturated soils under non-isothermal conditions. 2008 , 32, 1955-1988	84
1511	A hypoplastic model for mechanical response of unsaturated soils. 2008 , 32, 1903-1926	49
1510	Stress update algorithm for elastoplastic models with nonconvex yield surfaces. 2008 , 76, 2029-2062	18
1509	Elastoplastic prediction of hydro-mechanical behaviour of unsaturated soils under undrained conditions. 2008 , 35, 845-852	54
1508	A constitutive model for unsaturated cemented soils under cyclic loading. 2008 , 35, 853-859	51

1507	Unsaturated rock mechanics applied to a low-porosity shale. 2008 , 97, 42-52	46
1506	Evolution of penetration resistance in fresh concrete. 2008 , 38, 649-659	18
1505	Hydromechanical behaviour of an expansive bentonite/silt mixture in cyclic suction-controlled drying and wetting tests. 2008 , 101, 154-164	92
1504	Improved Approach to Construct Constitutive Surfaces for Stable-Structured Soils Covering Both Saturated and Unsaturated Conditions. 2008 , 134, 876-882	4
1503	Effects of soil skeleton deformations on hysteretic soil water characteristic curves: Experiments and simulations. 2008 , 44,	35
1502	An insight into the role of hydraulic history on the volume changes of anisotropic clayey soils. 2008 , 44,	32
1501	A framework for the construction of state surfaces of unsaturated soils in the elastic domain. 2008 , 44,	1
1500	Equivalent Stress Equation for Unsaturated Soils. I: Equivalent Stress. 2008 , 8, 285-290	24
1499	Mechanical modeling of MX-80 [Quick tools for BBM parameter analysis. 2008 , 33, S508-S515	11
1498	Mechanical modeling of MX-80 [Development of constitutive laws. 2008 , 33, S504-S507	3
1497	A coupled THMC model of FEBEX mock-up test. 2008 , 33, S486-S498	44
1496	Hydromechanical modelling of shaft excavation in Meuse/Haute-Marne laboratory. 2008 , 33, S422-S435	23
1495	Gas injection tests on sand/bentonite mixtures in the laboratory. Experimental results and numerical modelling. 2008 , 33, S237-S247	22
1494	Rapid drawdown in slopes and embankments. 2008 , 44,	35
1493	A new modelling approach for unsaturated soils using independent stress variables. 2008 , 45, 511-534	215
1492	Reply to the discussion by Zhang and Lytton on A new modelling approach for unsaturated soils using independent stress variables [Appears in Canadian Geotechnical Journal, 45(12): 1784-1787.. 2008 , 45, 1788-1794	6
1491	Discussion of A new modelling approach for unsaturated soils using independent stress variables [Appears in Canadian Geotechnical Journal, 45(4): 511-534.. 2008 , 45, 1784-1787	13
1490	Thermo-mechanical behaviour of a compacted swelling clay. <i>Geotechnique</i> , 2008 , 58, 45-54	3.4 129

1489	Critical state for overconsolidated unsaturated silty soil. 2008 , 45, 408-420		40
1488	A Mechanism Contributing to Subsidence Above Gas Reservoirs and its Application to a Case Study. 2008 , 9, 270-287		13
1487	Dynamic Response of Unsaturated Non-Collapsible and Collapsible Deposits. 2008 ,		
1486	Contributions to <i>Geotechnique</i> 2008: Constitutive and numerical modelling. <i>Geotechnique</i> , 2008 , 58, 405-412	3-4	14
1485	Implicit Algorithm for Modeling Unsaturated Soil Response in Three-Invariant Stress Space. 2008 , 8, 266-273		10
1484	Contributions to <i>Geotechnique</i> 2008: Soil behaviour. <i>Geotechnique</i> , 2008 , 58, 429-433	3-4	
1483	Gas flow through clay barriers. <i>Geotechnique</i> , 2008 , 58, 157-176	3-4	88
1482	Compaction behaviour of clay. <i>Geotechnique</i> , 2008 , 58, 199-213	3-4	105
1481	Elastic Model for Partially Saturated Granular Materials. 2008 , 134, 505-513		12
1480	Is Matric Suction a Stress Variable?. 2008 , 134, 899-905		85
1479	Wetting-induced volume changes in compacted silty clays and high-plasticity clays. 2008 , 45, 252-265		19
1478	Swelling pressure in compacted bentonite. 2008 , 667-673		
1477	Developments in modelling the generalised behaviour of unsaturated soils. 2008 , 53-61		1
1476	A novel suction-controlled true triaxial apparatus for unsaturated soils. 2008 , 83-88		3
1475	Volumetric behaviour of compacted London Clay during wetting and loading. 2008 , 315-320		1
1474	Soil-water characteristic curves and void ratio changes relative to suction for soils from Greece. 2008 , 263-269		3
1473	An anisotropic elasto-plastic model for unsaturated soils. 2008 , 625-631		7
1472	A numerical simulation of triaxial tests of unsaturated soil at constant water and air content by using an elasto-viscoplastic model. 2008 , 735-741		4

1471	Numerical Analysis of Footing Settlement Problem by Subloading Surface Model. 2009 , 49, 207-220		6
1470	Modified state-surface approach to the study of unsaturated soil behavior. Part II: General formulation. 2009 , 46, 553-570		39
1469	THM-coupled finite element analysis of frozen soil: formulation and application. <i>Geotechnique</i> , 2009 , 59, 159-171	3-4	133
1468	Loss of controllability in unsaturated soils. 2009 , 13, 235-250		3
1467	Discussion of 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. 2009 , 9, 82-83		
1466	Coupled thermo-hydro-mechanical modelling: A new parallel approach. 2009 ,		2
1465	Oedometer Behavior of an Artificial Cemented Highly Collapsible Soil. 2009 , 135, 840-843		17
1464	Swelling of a Bentonite Plug: A Micromechanical Approach. 2009 , 63-77		2
1463	Numerical modelling of a slope stability test by means of porous media mechanics. 2009 , 26, 245-266		21
1462	Modelling the thermomechanical volume change behaviour of compacted expansive clays. <i>Geotechnique</i> , 2009 , 59, 185-195	3-4	41
1461	The coupled thermal-hydraulic-mechanical behaviour of a large-scale in situ heating experiment. <i>Geotechnique</i> , 2009 , 59, 401-413	3-4	24
1460	Coupled Thermohydromechanical Modeling of the Full-Scale In Situ Test Prototype Repository 2009 , 135, 121-132		20
1459	A full-scale in situ heating test for high-level nuclear waste disposal: observations, analysis and interpretation. <i>Geotechnique</i> , 2009 , 59, 377-399	3-4	133
1458	Field Measurement of Suction, Water Content, and Water Permeability. 2008 , 139-170		3
1457	Micro-statics and micro-kinematics of capillary phenomena in dense granular materials. 2009 ,		3
1456	Experimental investigation of thermo-hydro-mechanical behaviour of an unsaturated silt. <i>Geotechnique</i> , 2009 , 59, 339-353	3-4	154
1455	Discussion of Analysis of Deep Moisture Barriers in Expansive Soils. I: Constitutive Model Formulation by Eduardo Rojas, Miguel P. Romo, and Refugio Cervantes. 2009 , 9, 84-87		
1454	Bentonite THM behaviour at high temperatures: experimental and numerical analysis. <i>Geotechnique</i> , 2009 , 59, 307-318	3-4	33

1453	Approaches for defining thresholds and return periods for rainfall-triggered shallow landslides. 2009 , 23, 1444-1460	124
1452	Dynamics of unsaturated soils using various finite element formulations. 2009 , 33, 611-631	31
1451	An elastoplastic strainhardening model for soil allowing for hydraulic bonding/debonding effects. 2009 , 33, 1055-1086	34
1450	On the capillary stress tensor in wet granular materials. 2009 , 33, 1289-1313	94
1449	An unsaturated soil model with minimal number of parameters based on bounding surface plasticity. 2009 , 34, 1512-1537	40
1448	Feedback mechanisms in chemo-mechanical multi-scale modeling of soil and sediment compaction. 2009 , 36, 934-943	15
1447	Poroplastic damage modeling of unsaturated cement-based materials. 2009 , 36, 906-915	9
1446	Unsaturated soil mechanics: Critical review of physical foundations. 2009 , 106, 26-39	113
1445	Density-dependent hydromechanical behaviour of a compacted expansive soil. 2009 , 106, 105-115	28
1444	A Simulation Model for Shield Tunnelling and its Interactions with Partially Saturated Soil. 2009 , 9, 215-216	3
1443	The role of capillary water in the stability of tailing dams. 2009 , 105, 108-118	55
1442	Drying response and effective stress in a double porosity aggregated soil. 2009 , 105, 44-50	57
1441	Fully coupled finite element model for dynamics of partially saturated soils. 2009 , 29, 1294-1304	17
1440	On the effective stress in unsaturated porous continua with double porosity. 2009 , 57, 1182-1193	75
1439	Influence of the saturation/ suction relationship in the formulation of non-saturated soil consolidation models. 2009 , 49, 1058-1070	9
1438	Discussion on the use of the generalized effective stress in the constitutive modelling of unsaturated soils by L. Laloui and M. Nuth [Computers and Geotechnics 36 (2009) 2023]. 2009 , 36, 1360-1361	1
1437	Influence of dissolution on the mechanical behaviour of saturated deep argillaceous rocks. 2009 , 109, 255-261	3
1436	Advanced multiphysical testing for soft rocks. 2009 , 13, 911-936	

1435	Predicting the Behavior of an Earth and Rockfill Dam under Construction. 2009 , 135, 851-862	25
1434	The mechanical behaviour of an unsaturated compacted silty clay. <i>Geotechnique</i> , 2009 , 59, 415-428	3-4 44
1433	Adaptation of the van Genuchten expression to the effects of temperature and density for compacted bentonites. 2009 , 42, 575-582	71
1432	The place of expansive clays in the framework of unsaturated soil mechanics. 2009 , 43, 150-155	56
1431	Assessing internal stress evolution in unsaturated soils. 2009 , 45,	16
1430	Laboratory and Field Testing of Unsaturated Soils. 2009 ,	10
1429	Advances in Computation and Intelligence. 2009 ,	2
1428	Experimental and numerical studies of the hydromechanical behaviour of a natural unsaturated swelling soil. 2009 , 46, 393-410	26
1427	Modified state-surface approach to the study of unsaturated soil behavior. Part I: Basic concept. 2009 , 46, 536-552	43
1426	Study of the water retention properties of a tropical soil. 2009 , 46, 1084-1092	13
1425	Effects of wetting-drying and stress ratio on anisotropic stiffness of an unsaturated soil at very small strains. 2009 , 46, 1062-1076	83
1424	Multi-physical processes in geomechanics. 2009 , 13, 803-830	1
1423	A total stress-pore water pressure formulation of coupled consolidation analysis for saturated soils. 2009 , 3, 171-185	1
1422	Numerical simulation of unsaturated soil behaviour. 2009 , 34, 2	7
1421	Degradation of Compacted Marls: A Microstructural Investigation. 2009 , 49, 315-327	15
1420	A fully coupled thermo-hydro-mechanical model for unsaturated porous media. 2009 , 1, 31-40	11
1419	Constitutive modelling of unsaturated soils. 2010 , 91-112	6
1418	A 13-parameter model for unsaturated soil based on bounding surface plasticity. 2010 , 2, 135-142	7

1417	Evaluation of a constitutive model for unsaturated soils. 2010 , 829-836	2
1416	Hydro-mechanical coupling for unsaturated soils. 2010 , 957-963	
1415	Experimental Study on the Behavior of Unsaturated Compacted Silt Under Triaxial Compression. 2010 , 50, 27-44	36
1414	Volume changes of swelling clayey soils at microscopic scale level. 2010 , 161-166	1
1413	Effects of granular columns in compacted fills. 2010 , 163, 189-196	6
1412	Efficient Meshfree Large Deformation Simulation of Rainfall Induced Soil Slope Failure. 2010 ,	1
1411	INFLUENCE OF VOID RATIO ON THE DEFORMATION OF UNSATURATED SANDY SOIL UNDER SUCTION UNLOADING WITH ANISOTROPIC STRESS CONDITION. 2010 , 66, 824-835	
1410	Strong discontinuities in partially saturated poroplastic solids. 2010 , 199, 1513-1535	48
1409	Numerical simulation of evapotranspiration using a root water uptake model. 2010 , 37, 175-186	47
1408	Revisiting the thermodynamics of hardening plasticity for unsaturated soils. 2010 , 37, 207-215	52
1407	Structural bonding-breakage constitutive model for natural unsaturated clayey soils. 2010 , 26, 931-939	1
1406	Continuum deformation and stability analyses of a steep hillside slope under rainfall infiltration. 2010 , 5, 1-14	106
1405	Behavior of materials for earth and rockfill dams: Perspective from unsaturated soil mechanics. 2010 , 4, 1-39	29
1404	Simulation of Cavitation in Water Saturated Porous Media Considering Effects of Dissolved Air. 2010 , 81, 141-160	13
1403	Numerical Modeling of Hydraulic Hysteresis in Unsaturated Soils. 2010 , 85, 521-540	2
1402	A coupled THMC model of a heating and hydration laboratory experiment in unsaturated compacted FEBEX bentonite. 2010 , 386, 80-94	38
1401	Elastoplastic damage modeling of desaturation and resaturation in argillites. 2010 , 34, 187-220	34
1400	An elasto-plastic three phase model for partially saturated soil for the finite element simulation of compressed air support in tunnelling. 2010 , 34, 605-625	29

1399	Constitutive modeling of unsaturated aggregated soils. 2010 , 34, 1846-1876	25
1398	Coupled solid-fluid FE-analysis of geotechnical problems involving partially saturated soils. 2010 , 33, 25-39	
1397	Process-oriented numerical simulation of shield-supported tunnelling in soft soils /. 2010 , 3, 268-282	25
1396	A fully coupled thermo-hydro-mechanical model for simulating multiphase flow, deformation and heat transfer in buffer material and rock masses. 2010 , 47, 205-217	76
1395	A constitutive model for porous rock including effects of bond strength degradation and partial saturation. 2010 , 47, 1330-1338	16
1394	Explicit stress integration with error control for the Barcelona Basic Model.: Part II: Algorithms efficiency and accuracy. 2010 , 37, 68-81	18
1393	Explicit stress integration with error control for the Barcelona Basic Model. 2010 , 37, 59-67	37
1392	A novel approach for modelling soil-water characteristic curves with hysteresis. 2010 , 37, 374-380	51
1391	Effect of degree of saturation on mechanical behaviour of unsaturated soils and its elastoplastic simulation. 2010 , 37, 678-688	49
1390	Volumetric strains due to changes in suction or stress of an expansive bentonite/silt mixture treated with lime. 2010 , 338, 230-240	6
1389	Use of numerical simulations to assess hydraulic and mechanical measurements of bentonite-band buffer in an in-floor borehole. 2010 , 114, 433-443	5
1388	On the use of dimensional analysis to predict swelling strain. 2010 , 116, 149-156	14
1387	Deep trench, landslide and effects on the foundations of a residential building: A case study. 2010 , 32, 1821-1829	9
1386	Instability analysis and simulation of water infiltration into an unsaturated elasto-viscoplastic material. 2010 , 47, 3519-3536	11
1385	Coupled FE-Analysis Involving Partially Saturated Soils. 2010 , 10, 207-208	
1384	Soil compaction by wheeling: changes in soil suction caused by compression. 2010 , 61, 599-608	19
1383	Effect of thermo-coupled processes on the behaviour of a clay barrier submitted to heating and hydration. 2010 , 82, 153-68	4
1382	A Coupled Chemo-Elastoplastic-Damage Constitutive Model for Plain Concrete Subjected to High Temperature. 2010 , 19, 971-1000	3

1381	Design and development of large-scale in-situ PRACLAY heater test and horizontal high-level radioactive waste disposal gallery seal test in Belgian HADES. 2010 , 2, 103-110		25
1380	Determining the Shapes of Yield Curves for Unsaturated Soils by Modified State Surface Approach. 2010 , 136, 239-247		11
1379	Mechanical behaviour of unsaturated kaolin (with isotropic and anisotropic stress history). Part 1: wetting and compression behaviour. <i>Geotechnique</i> , 2010 , 60, 581-594	3-4	22
1378	Dynamic Response of Pile Foundation in Partially Saturated Soils. 2010 ,		2
1377	State Boundary Surfaces for an Aged Compacted Clay. 2010 , 136, 1251-1262		3
1376	Fundamentals of Unsaturated Soil Modelling: Have We Got It Right?. 2010 ,		
1375	Simulation of Expansive Clay Behavior under Simultaneous Heating-Hydration for Nuclear Waste Storage Applications. 2010 ,		
1374	Elastoplastic Modelling of Hydraulic and Mechanical Behaviour of Unsaturated Expansive Soils. 2010 ,		1
1373	Degradation of marls; two case studies from the Iberian Peninsula. 2010 , 23, 47-75		11
1372	Mechanical behaviour of unsaturated kaolin (with isotropic and anisotropic stress history). Part 2: performance under shear loading. <i>Geotechnique</i> , 2010 , 60, 595-609	3-4	12
1371	Retention Properties and Compressibility of a Compacted Soil. 2010 ,		
1370	A Refined True Triaxial Cell for Modeling Unsaturated Soil Response under Suction Controlled Stress Paths. 2010 ,		2
1369	Modeling Unsaturated Soil Behavior under Multiaxial Stress Paths Using a Refined Suction-Controlled Cubical Test Cell. 2010 ,		1
1368	A microstructurally based effective stress for unsaturated soils. <i>Geotechnique</i> , 2010 , 60, 913-925	3-4	235
1367	Soil-Environment interactions in geotechnical engineering. <i>Geotechnique</i> , 2010 , 60, 3-74	3-4	261
1366	Application of suction stress for estimating unsaturated shear strength of soils using direct shear testing under low confining pressure. 2010 , 47, 955-970		32
1365	Advanced numerical simulation of collapsible earth dams. 2010 , 47, 1351-1364		8
1364	A Novel Suction-Controlled Ring Shear Testing Apparatus for Unsaturated Soils. 2010 ,		1

1363	A closed-form equation for effective stress in unsaturated soil. 2010 , 46,		423
1362	Coupled water content method for shrink and swell predictions. 2010 , 11, 13-23		16
1361	Evolution of microstructure in compacted London Clay during wetting and loading. <i>Geotechnique</i> , 2010 , 60, 105-119	3-4	137
1360	Compression behaviour of reconstituted soils at high initial water contents. <i>Geotechnique</i> , 2010 , 60, 691-700	3-4	157
1359	Quantifying the effect of matric suction on the compressive properties of two agricultural soils using an osmotic oedometer. 2010 , 156, 337-345		11
1358	Modelling the effect of temperature on unsaturated soil behaviour. 2010 , 342, 892-900		8
1357	Influence of suction cycles on the soil fabric of compacted swelling soil. 2010 , 342, 901-910		32
1356	Swelling in clayey soils induced by the presence of salt crystals. 2010 , 47, 105-112		15
1355	Physical and geotechnical properties of clay phyllites. 2010 , 48, 307-318		34
1354	Computational Methods in Elasticity and Plasticity. 2010 ,		20
1353	A sequential method for selecting parameter values in the Barcelona basic model. 2010 , 47, 1175-1186		22
1352	Volume change behaviour of a compacted scaly clay during cyclic suction changes. 2010 , 47, 688-703		43
1351	Shear strength and dilative characteristics of an unsaturated compacted completely decomposed granite soil. 2010 , 47, 1112-1126		54
1350	Development of a new calibration chamber for conducting cone penetration tests in unsaturated soils. 2011 , 48, 314-321		19
1349	Collapse behavior of soil in a Brazilian region affected by a rising water table. 2011 , 48, 226-233		33
1348	Physical modelling of wetting-induced collapse in embankment base. <i>Geotechnique</i> , 2011 , 61, 409-420	3-4	24
1347	Computational Simulation of Mechanized Tunneling as Part of an Integrated Decision Support Platform. 2011 , 11, 519-528		25
1346	Analysis of stability of unsaturated soil slope based on modified cam-clay model. 2011 ,		

1345	A new framework for modeling sediment fining during transport with fragmentation and abrasion. 2011 , 116,	18
1344	Loss of Controllability in Partially Saturated Soils. 2011 , 53-68	
1343	Model for Pore-Fluid Induced Degradation of Soft Rocks. 2011 , 167-185	2
1342	Modelling the applied vertical stress and settlement relationship of shallow foundations in saturated and unsaturated sands. 2011 , 48, 425-438	46
1341	Strata consolidation subsidence induced by metro tunneling in saturated soft clay strata. 2011 , 19, 35-41	6
1340	Multiscale and Multiphysics Processes in Geomechanics. 2011 ,	2
1339	An Improved Elasto-Plastic Model for Unsaturated Soils. 2011 , 243-249, 2748-2751	
1338	Behavior of the Unsaturated Granite Residual Soil and Its Effects on Embankment Project. 2011 ,	2
1337	Electrokinetic treatment on a tropical residual soil. 2011 , 164, 3-13	15
1336	Interaction between clay-based sealing components and crystalline host rock. 2011 , 36, 1838-1847	2
1335	On the behaviour of compacted bentonite under thermal gradients. 2011 , 36, 1799-1805	1
1334	Hydro-mechanical constitutive model for unsaturated compacted bentonite and mixture (BSM): Laboratory tests, parameter calibrations, modifications, and applications. 2011 , 36, 1770-1782	1
1333	Thermo-hydro-mechanical model of the Canister Retrieval Test. 2011 , 36, 1806-1816	4
1332	Coupling hydraulic with mechanical models for unsaturated soils. 2011 , 48, 826-840	102
1331	Influence of the Soil Fabric on the Mechanical Properties of Unsaturated Clays. 2011 , 51, 275-286	9
1330	Transient Behavior of a Clay Barrier Subjected to High Temperature Changes. 2011 ,	
1329	Model Test and Consolidation Analysis of Failure of a Loose Sandy Embankment Dam During Seepage. 2011 , 51, 53-66	8
1328	Resilient Modulus Characterization of Alaska Granular Base Materials. 2011 , 2232, 44-54	16

1327	Experimental observations of the stress regime in unsaturated compacted clay when laterally confined. <i>Geotechnique</i> , 2011 , 61, 345-363	3-4	13
1326	Reclamation of former ironstone workings, Priors Hall, Corby, UK. 2011 , 164, 235-242		1
1325	Hydromechanical behaviour of compacted granular expansive mixtures: experimental and constitutive study. <i>Geotechnique</i> , 2011 , 61, 329-344	3-4	81
1324	Assessment of water retention behaviour in compacted fills. 2011 , 164, 139-148		6
1323	A constitutive model for soft clayey rocks that includes weathering effects. 2011 , 193-207		
1322	Constitutive Behavior of Compacted Clayey Sand Using a Refined Suction-Controlled Cubical Test Cell. 2011 ,		2
1321	Thermo-Hydro-Mechanical Simulation of a Heating and Hydration Experimental Study (the China-Mock-Up) in GMZ Bentonite. 2011 ,		
1320	Thermal-Mechanical Behavior of Compacted GMZ Bentonite. 2011 , 51, 1065-1074		54
1319	A New Model for Unsaturated Soil Using Skeleton Stress and Degree of Saturation as State Variables. 2011 , 51, 67-81		49
1318	Numerical Analyses and Monitoring Performance of Residual Soil Slopes. 2011 , 51, 471-482		15
1317	A coupled THC model of the FEBEX in situ test with bentonite swelling and chemical and thermal osmosis. 2011 , 126, 45-60		34
1316	Thermohydromechanical modelling of the buffer/container experiment. 2011 , 122, 303-315		7
1315	Implementation of the Barcelona Basic Model into TOUGHFLAC for simulations of the geomechanical behavior of unsaturated soils. 2011 , 37, 751-762		37
1314	Modeling of cohesive crack growth in partially saturated porous media; a study on the permeability of cohesive fracture. 2011 , 167, 15-31		32
1313	Shear Strength Criteria for Unsaturated Soils. 2011 , 29, 145-159		77
1312	A four elements porous model to estimate the strength of unsaturated soils. 2011 , 29, 193-202		4
1311	Consistent Modelling of Expansive and Collapsible Response of Unsaturated Soils. 2011 , 29, 203-216		2
1310	Extended finite element modeling of deformable porous media with arbitrary interfaces. 2011 , 35, 5426-5441		33

1309	Review of fundamental principles in modelling unsaturated soil behaviour. 2011 , 38, 757-776	139
1308	Geological storage of high level nuclear waste. 2011 , 15, 721-737	80
1307	UH model considering temperature effects. 2011 , 54, 190-202	16
1306	Constitutive modeling for unsaturated soils considering gas hardening effect. 2011 , 56, 1739-1745	5
1305	Volume change behavior of unsaturated soils under non-isothermal conditions. 2011 , 56, 2495-2504	8
1304	Discrete element simulations of two wetting effects on granular materials. 2011 , 56, 3803-3811	4
1303	Coupled solid-fluid FE-analysis of an embankment dam. 2011 , 5, 53-62	4
1302	Modelling instabilities in triaxial testing on unsaturated soil specimens. 2011 , 35, 179-200	40
1301	A thermo-hydro-mechanical model for unsaturated soils based on the effective stress concept. 2011 , 35, 1299-1317	13
1300	Modeling of dynamic cohesive fracture propagation in porous saturated media. 2011 , 35, 1160-1184	36
1299	Generalized plasticity state parameter-based model for saturated and unsaturated soils. Part II: Unsaturated soil modeling. 2011 , 35, 1899-1917	48
1298	Modelling of plastic deformation and damage in cement-based material subjected to desiccation. 2011 , 35, 1877-1898	11
1297	Quellverhalten eines teilgesättigten Kaolinit-Tons: Laborversuche, Modell und numerische Simulation. 2011 , 34, 32-41	1
1296	Modelling the mechanical behaviour of unsaturated soils using a genetic algorithm-based neural network. 2011 , 38, 2-13	37
1295	Extended Barcelona Basic Model for unsaturated soils under cyclic loadings. 2011 , 38, 731-740	18
1294	A fast algorithm for finding the first intersection with a non-convex yield surface. 2011 , 38, 465-471	5
1293	Modelling the initial shear stiffness of unsaturated soils as a function of the coupled effects of the void ratio and the degree of saturation. 2011 , 38, 709-720	22
1292	A novel and general form of effective stress in a partially saturated porous material: The influence of microstructure. 2011 , 43, 25-35	27

1291	Computation of Slope Movements Initiated by Rain-Induced Shear Bands in Small-Scale Tests and In Situ. 2011 , 10, 512-525			15
1290	Incorporating porosity-dependent hysteretic water retention behavior into a new constitutive model of unsaturated soils. 2011 , 48, 1855-1869			11
1289	Compressibility according to compacted soil suction. 2011 ,			1
1288	Volume-mass unsaturated soil constitutive model for drying-wetting under isotropic loading-unloading conditions. 2011 , 48, 280-313			20
1287	Towards a dimensionless description of soil swelling behaviour. <i>Geotechnique</i> , 2011 , 61, 271-277	3-4		17
1286	Stability criteria for unsaturated shallow slopes. 2011 , 1, 85-90			16
1285	Modified SFG Model for Unsaturated Soils. 2011 , 243-249, 2627-2633			
1284	Micro-Structure Study on Collapsibility Loess with SEM Method. 2011 , 52-54, 1279-1283			3
1283	Impact of Bituminous Subballast on Railroad Track Deformation Considering Atmospheric Actions. 2011 , 137, 288-292			15
1282	A NUMERICAL MODEL FOR GEOTECHNICAL PROBLEMS INVOLVING PARTIALLY SATURATED SOILS. 2011 , 137-140			
1281	Discussion of Factors Affecting Tree Root Water Absorption in Expansive Soil and their Implications in Numerical Models. 2011 , 255-260, 3042-3046			
1280	Hydromechanical behaviour of a heterogeneous compacted soil: experimental observations and modelling. <i>Geotechnique</i> , 2011 , 61, 367-386	3-4		82
1279	The Application of an Unsaturated Soil Elastoplasticity Model in Dam-Reservoir Coupling System. 2011 , 261-263, 1239-1243			
1278	Benchmark of constitutive models for unsaturated soils. <i>Geotechnique</i> , 2011 , 61, 283-302	3-4		54
1277	One Dimensional Consolidation of Collapsible Soils: Elastic vs. Elasto-Plastic Analyses. 2011 ,			1
1276	Some aspects of the compression and collapse behaviour of an unsaturated natural loess. 2011 , 1, 17-22			62
1275	Limitations in the Constitutive Modeling of Unsaturated Soils and Solutions. 2011 , 11, 174-185			11
1274	Water Retention Behaviour of an Embankment Model. 2011 ,			

1273	Plastic shrinkage cracking of concrete ¶oles of osmotic suction. 2011 , 63, 743-750		3
1272	Effects of the maximum soil aggregates size and cyclic wetting¶rying on the stiffness of a lime-treated clayey soil. <i>Geotechnique</i> , 2011 , 61, 421-429	3-4	58
1271	Modelling the response of Lechago earth and rockfill dam. <i>Geotechnique</i> , 2011 , 61, 387-407	3-4	12
1270	Validation of the Volume Change Behavior in SFG Model Using a Soil Consolidation Test and a Soil Water Characteristic Curve Experiment. 2012 , 446-449, 1918-1921		
1269	Retracted: Subloading Surface Plasticity Model Algorithm for 3D Subsidence Analyses above Gas Reservoirs. 2012 , 12, 414-427		2
1268	A Refined Approach to Barcelona Basic Model: Experimental Evidence and Parametric Performance. 2012 ,		
1267	A General Fully Coupled Elasto-Plastic Constitutive Model for Unsaturated Soils. 2012 ,		1
1266	Modeling Unsaturated Soil Behaviour in Stress-Saturation Space. 2012 ,		
1265	Soil mechanics and earthen construction: strength and mechanical behaviour. 2012 , 204-221		2
1264	A state-of-the art review of 1-D heave prediction methods for expansive soils. 2012 , 6, 15-41		39
1263	A Constitutive Model for Unsaturated Soils Based on SFG Approach. 2012 , 256-259, 11-14		
1262	Measurements of Drying and Wetting Permeability Functions Using a New Stress-Controllable Soil Column. 2012 , 138, 58-68		78
1261	Chapter 8 Engineering behaviour of desert soils. 2012 , 25, 259-299		
1260	Modelling coupled processes in bentonite: recent results from the UK's contribution to the ¶p¶ EBS Task Force. 2012 , 76, 3033-3043		8
1259	Numerical thermo-hydro-mechanical modeling of compacted bentonite in China-mock-up test for deep geological disposal. 2012 , 4, 183-192		17
1258	Analysis of the mechanical behavior of compacted soil with F.E. method. 2012 , 68, I_291-I_298		2
1257	Mechanical Modeling of Frozen Soils Incorporating the Effect of Cryogenic Suction and Temperature. 2012 ,		
1256	Formulations of the Coupled Processes of Two-phase Fluid Flow and Deformation in Geomaterials. 2012 , 121, 39-52		2

1255 References. **2012**, 329-338

1254 Laboratory and in situ studies on a compacted clayey silt fill. **2012**, 165, 107-119

2

1253 Experimental behaviour of compacted marls. *Geotechnique*, **2012**, 62, 999-1012

3-4 14

1252 Time-dependent behaviour of rockfill embankments and dams. **2012**, 173-182

1251 Effects of water content and particle crushing on the shear behaviour of an infilled-joint soil. *Geotechnique*, **2012**, 62, 1133-1137

3-4 8

1250 Numerical Simulation of Interactions between the Shield-Supported Tunnel Construction Process and the Response of Soft Water-Saturated Soils. **2012**, 12, 689-696

10

1249 New framework for volumetric constitutive behaviour of compacted unsaturated soils. **2012**, 49, 1227-1243

54

1248 Effects of current suction ratio and recent suction history on small-strain behaviour of an unsaturated soil. **2012**, 49, 226-243

51

1247 Mechanisches Verhalten eines teilgesättigten Kaolinit-Tons: Experimentelle Untersuchungen, Stoffmodell und Implementierung. **2012**, 35, 236-244

3

1246 Soil-Water Characteristic Curves Obtained for a Colluvial and Lateritic Soil Profile Considering the Macro and Micro Porosity. **2012**, 30, 1405-1420

25

1245 Effects of wetting and ageing on 1D elasto-viscoplastic behaviour of cement-mixed clay and model simulation. **2012**, 52, 187-206

3

1244 Thermal-hydraulic-mechanical (THM) behaviour of a large-scale in situ heating experiment during cooling and dismantling. **2012**, 49, 1169-1195

28

1243 Deformation induced by wetting: a simple model. **2012**, 49, 954-960

29

1242 Small-strain stiffness of Zenoz kaolin in unsaturated conditions. **2012**, 49, 311-322

17

1241 Modeling Unsaturated Soil Response under Suction-Controlled True Triaxial Stress Paths. **2012**, 12, 292-308

18

1240 Coupled Hydro-Mechanical Elastoplastic Constitutive Model for Unsaturated Sands and Silts. I: Formulation. **2012**, 12, 239-247

41

1239 Refined True Triaxial Apparatus for Testing Unsaturated Soils under Suction-Controlled Stress Paths. **2012**, 12, 281-291

25

1238 The yielding of brittle unsaturated granular soils. *Geotechnique*, **2012**, 62, 147-160

3-4 51

1237	Modified state-surface approach to the study of unsaturated soil behavior. Part III: Modeling of coupled hydromechanical effect. 2012 , 49, 98-120	20
1236	Modelling stress-strain and volume change behaviour of unsaturated soils using an evolutionary based data mining technique, an incremental approach. 2012 , 25, 926-933	22
1235	Critical state soil constitutive model for methane hydrate soil. 2012 , 117,	119
1234	Calibration of an unsaturated air-water-soil model. 2012 , 12, 493-499	8
1233	Clay interaction with liquid and supercritical CO ₂ : The relevance of electrical and capillary forces. 2012 , 10, 351-362	50
1232	Investigation on compression behaviour of highly compacted GMZ01 bentonite with suction and temperature control. 2012 , 252, 11-18	53
1231	Critical Review on the Parameters Influencing Soil-Water Characteristic Curve. 2012 , 138, 55-62	41
1230	A device designed for simulating HM behavior of compacted GMZ01 bentonite. 2012 , 16, 1178-1184	6
1229	A coupled model for heating and hydration in unsaturated clays. 2012 , 5, 935-942	7
1228	Unsaturated Soils: Research and Applications. 2012 ,	1
1227	Estimation of ground settlement beneath foundations due to shrinkage of clayey soils. 2012 , 49, 835-852	7
1226	Modelling Compacted Soil Behaviour Including Microstructural Features. 2012 , 119-127	1
1225	Unsaturated Soils: Research and Applications. 2012 ,	4
1224	A New Procedure for Determining Parameter Values in the Barcelona Basic Model. 2012 , 93-102	
1223	A critical state model for saturated and unsaturated interfaces. 2012 , 19, 1147-1156	11
1222	Sampling and testing of tropical residual soils. 2012 , 65-116	1
1221	Theoretical Basis for Modeling Porous Geomaterials under Frost Actions: A Review. 2012 , 76, 313-330	16
1220	Interpretation of unsaturated soil behaviour in the stress-saturation space. 2012 , 43, 111-123	63

1219	A comparative study of stress integration methods for the Barcelona Basic Model. 2012 , 44, 22-33	22
1218	Interpretation of unsaturated soil behaviour in the stress [Saturation space, I: Volume change and water retention behaviour. 2012 , 43, 178-187	115
1217	Swelling pressures of compacted Ca-bentonite. 2012 , 129-130, 20-26	68
1216	Hydro-mechanical characterization of lime-treated and untreated marls used in a motorway embankment. 2012 , 133-134, 76-84	13
1215	Experimental evaluation of mechanical behavior of unsaturated silty sand under constant water content condition. 2012 , 141-142, 45-56	21
1214	THM analysis of a large-scale heating test incorporating material fabric changes. 2012 , 36, 391-421	44
1213	3D subsidence analyses above gas reservoirs accounting for an unconventional plasticity model. 2012 , 36, 959-976	8
1212	Coupled modelling of hydro-mechanical behaviour of unsaturated compacted expansive soils. 2012 , 36, 1002-1022	44
1211	Stochastic analysis of unsaturated seepage through randomly heterogeneous earth embankments. 2012 , 36, 1056-1076	40
1210	A new computational strategy for solving two-phase flow in strongly heterogeneous poroelastic media of evolving scales. 2012 , 36, 1683-1716	14
1209	Equivalent stress approach in modelling unsaturated soils. 2012 , 36, 1667-1681	3
1208	Discussing the definition of the second-order work for unsaturated soils. 2012 , 36, 36-49	36
1207	Seasonal movement and groundwater flow mechanism in an unsaturated saprolitic hillslope. 2013 , 10, 455-467	31
1206	Using modified state surface approach to select parameter values in the Barcelona basic model. 2013 , 37, 1847-1866	10
1205	A fully coupled elastic[plastic hydromechanical model for compacted soils accounting for clay activity. 2013 , 37, 503-535	73
1204	Elasto-Plastic Constitutive Model for Unsaturated Soils with Subloading Surface Concept. 2013 , 215-228	5
1203	A generalized plasticity model to predict behaviors of the concrete-faced rock-fill dam under complex loading conditions. 2013 , 17, 579-597	10
1202	A new Hvorslev surface for critical state type unsaturated and saturated constitutive models. 2013 , 48, 156-166	30

1201	Thermal-Mechanical Constitutive Modeling for Freezing and Thawing Soils. 2013,	6
1200	Elastoplastic Behavior of Ductile Porous Rocks. 2013, 187-210	1
1199	An Elastoplastic Constitutive Model of Unsaturated Soils with Coupling of Capillary Hysteresis and Skeletal Deformation. 2013, 599-607	
1198	Prediction of swelling pressures of different types of bentonite in dilute solutions. 2013, 434, 303-318	70
1197	Coupled Dynamics in Soil. 2013,	4
1196	Simulation of the Unsaturated Excavation Damage Zone around a Tunnel Using a Fully Coupled Damage-Plasticity Model. 2013,	
1195	A new locally conservative numerical method for two-phase flow in heterogeneous poroelastic media. 2013, 48, 192-207	17
1194	Making unsaturated soil mechanics accessible for engineers: Preliminary hydraulic-mechanical characterisation & stability assessment. 2013, 165, 89-104	23
1193	7.27 Avoidance and Protection Measures. 2013, 259-272	2
1192	Formulation of a three-dimensional constitutive model for unsaturated soils incorporating mechanical-water retention couplings. 2013, 37, 3008-3035	31
1191	A cap model for soils featuring a smooth transition from partially to fully saturated state. 2013, 13, 169-170	4
1190	The effective stress concept in the cyclic mechanical behavior of a natural compacted sand. 2013, 152, 67-76	7
1189	Modeling of inherent anisotropic behavior of partially saturated clayey rocks. 2013, 48, 29-40	18
1188	Compacted soil behaviour: initial state, structure and constitutive modelling. <i>Geotechnique</i> , 2013, 63, 463-478	3-4 105
1187	Yield surfaces and plastic potentials of cemented granular materials from discrete element simulations. 2013, 49, 62-69	15
1186	Investigation of the hydro-mechanical behaviour of compacted bentonite/sand mixture based on the BEXM model. 2013, 54, 46-52	17
1185	The role of suction and degree of saturation on the hydro-mechanical response of a dual porosity silt-bentonite mixture. 2013, 83-84, 83-90	14
1184	Homogenization in clay barriers and seals: Two case studies. 2013, 5, 191-199	11

1183	The cone penetration test in unsaturated sands. <i>Geotechnique</i> , 2013 , 63, 1209-1220	3-4	24
1182	Response of Buried Pipes to Unsaturated Soil Conditions. 2013 ,		1
1181	Occurrence of landsliding on slopes where flowsliding had previously occurred: An investigation in a loess platform, North-west China. 2013 , 104, 195-209		54
1180	Modeling the influence of water content on the mechanical behavior of Callovo-Oxfordian argillite. 2013 , 65, 79-89		14
1179	Volumetric deformability and water mass exchange of bentonite aggregates. 2013 , 166, 152-159		12
1178	Variation with time of the factor of safety of slopes excavated in unsaturated soils. 2013 , 48, 167-178		9
1177	A finite element formulation of gradient-based plasticity for porous media with C1 interpolation of internal variables. 2013 , 49, 7-17		7
1176	A proposal of structural models for colluvial and lateritic soil profile from southwestern Brazil on the basis of their collapsible behavior. 2013 , 153, 1-11		11
1175	Volume change behaviour of a swelling soil compacted at different initial states. 2013 , 153, 25-34		31
1174	Suction stress and its application on unsaturated direct shear test under constant volume condition. 2013 , 155, 10-18		11
1173	A hydro-mechanical elastoplastic model for unsaturated soils under isotropic loading conditions. 2013 , 51, 91-100		10
1172	Performance of Soil Nail Wall in High Plasticity Expansive Soil. 2013 ,		1
1171	Hydro-mechanical hypoplastic models for unsaturated soils under isotropic stress conditions. 2013 , 51, 72-82		23
1170	Parameter identification for elasto-plastic modelling of unsaturated soils from pressuremeter tests by parallel modified particle swarm optimization. 2013 , 48, 293-303		30
1169	Calibration of elasto-plastic models for unsaturated soils under isotropic stresses. 2013 , 165, 64-72		5
1168	Unanswered questions in unsaturated soil mechanics. 2013 , 56, 1257-1272		8
1167	New Strain Energy-Based Coupled Elastoplastic Damage-Healing Formulations Accounting for Effect of Matric Suction during Earth-Moving Processes. 2013 , 139, 188-199		23
1166	Numerical Modeling of Wetting-Induced Settlement of Embankments. 2013 ,		4

1165	Effect of Deformation-Induced Suction in the Behavior of Unsaturated Fine-Grained Soils Using Simplified Finite-Element Model. 2013 , 13, 483-495		7
1164	A chemo-mechanical constitutive model accounting for cation exchange in expansive clays. <i>Geotechnique</i> , 2013 , 63, 221-234	3-4	60
1163	A constitutive model for compacted expansive and bonded marls. <i>Geotechnique</i> , 2013 , 63, 1116-1130	3-4	5
1162	Soil stability and flow slides in unsaturated shallow slopes: can saturation events trigger liquefaction processes?. <i>Geotechnique</i> , 2013 , 63, 801-817	3-4	26
1161	A three-dimensional hysteretic soil-water retention curve. <i>Geotechnique</i> , 2013 , 63, 155-164	3-4	34
1160	Introduction: Basic Concepts. 2013 , 1-25		
1159	An interdisciplinary approach towards improved understanding of soil deformation during compaction. 2013 , 128, 61-80		64
1158	An analytical model of soil-structure interaction with swelling soils during droughts. 2013 , 54, 16-32		17
1157	Unsaturated properties of recycled concrete aggregate and reclaimed asphalt pavement. 2013 , 161, 44-54		25
1156	Volumetric behavior of unsaturated soils. 2013 , 50, 209-222		10
1155	Assessment of slope stability in cohesive soils due to a rainfall. 2013 , 37, 3278-3292		1
1154	A new insight into modelling the behaviour of unsaturated soils. 2013 , 37, 2629-2654		26
1153	Isotropic yielding of unsaturated cemented silty sand. 2013 , 50, 807-819		12
1152	A viscoplastic constitutive model for unsaturated geomaterials. 2013 , 54, 143-151		22
1151	Rainfall-induced differential settlements of foundations on heterogeneous unsaturated soils. <i>Geotechnique</i> , 2013 , 63, 1346-1355	3-4	15
1150	Aspects of Mechanical Behavior and Modeling of a Tropical Unsaturated Soil. 2013 , 31, 1569-1585		3
1149	Bimodal Shear-Strength Behavior of Unsaturated Coarse-Grained Soils. 2013 , 139, 2070-2081		19
1148	Instability Analysis of Coupling Seepage and Stress Field in Unsaturated Soil. 2013 , 446-447, 1448-1455		0

- 1147 Modelling Particle Breakage in Unsaturated Granular Assemblies. **2013**,
- 1146 Geotechnical Predictions and Practice in Dealing with Geohazards. **2013**,
- 1145 Rigorous Coupling of Geomechanics and Multiphase Flow with Strong Capillarity. **2013**, 18, 1123-1139 51
- 1144 A Unified Elastoplastic Model of Unsaturated Soils Considering Capillary Hysteresis. **2013**, 2013, 1-15
- 1143 Modelling Hydro-Mechanical Interactive Behaviour of Unsaturated Soils. **2013**,
- 1142 State surface of wetting-drying cycles at the equilibrium stage. **2013**, 449-454
- 1141 Incorporation of the soil-water characteristic curve hysteresis in pavement design. **2013**, 479-486 1
- 1140 Unsaturated soil interacting with a rotating model wall. **2013**, 13, 63-78 12
- 1139 An Improved Cap Model for Partially Saturated Soils. **2013**, 2
- 1138 Saturation-Induce Failure: Mechanics of a Class of Unstable Processes. **2013**,
- 1137 References. **2013**, 969-982
- 1136 Elastic response of unsaturated soils. **2013**, 339-346
- 1135 Thermally Induced Moisture Transport and Pore Pressure Generation in Nearly Saturated Geomaterials. **2013**, 251-278
- 1134 Combined effects of structure and partial saturation in natural soils. **2014**, 2, 3-16 3
- 1133 Soil compaction resulting from different soil tillage systems. **2014**,
- 1132 Preliminary modelling of the saturation of a full-sized clay and concrete shaft seal. **2014**, 400, 399-412 3
- 1131 An improved Mesri creep model for unsaturated weak intercalated soils. **2014**, 21, 4677-4681 9
- 1130 A Mathematical Thermal Hydraulic-Mechanical Coupling Model for Unsaturated Porous Media. **2014**, 602-605, 365-369

1129	A Thermodynamic Approach to Effective Stresses in Unsaturated Soils Incorporating the Concept of Partial Pore Deformations. 2014 , 13, vzt2013.06.0110		9
1128	Compression Behavior of Unsaturated Clay under High Stresses. 2014 ,		1
1127	Mechanical behaviour of gas-charged fine sediments: model formulation and calibration. <i>Geotechnique</i> , 2014 , 64, 851-864	3-4	28
1126	Hysteretic Shear Strength and Shear-Induced Volume Change of Natural Expansive Soils Weathered from Shale. 2014 ,		
1125	Suction controlled triaxial testing of unsaturated medium sand and sandy clay. 2014 , 46, 301-307		2
1124	Shale Fracturing for Energy Recovery: Current Issues and Review of Available Analytical and Computational Models. 2014 ,		3
1123	Cyclic behaviour of an unsaturated silt at various suctions and temperatures. <i>Geotechnique</i> , 2014 , 64, 709-720	3-4	51
1122	Numerische Simulation im Tunnelbau. 2014 , 171-232		
1121	Analysis of excess water impact on the structural performance of flexible pavements. 2014 , 15, 409-426		12
1120	References. 2014 , 533-555		
1119	Typical geomechanical problems associated with railroads on shrink-swell soils. 2014 , 1, 257-274		18
1118	Instability of Saturated and Unsaturated Coarse Granular Soils. 2014 , 140, 25-35		25
1117	Experimental and analytical framework for modelling soil compaction. 2014 , 175, 22-34		7
1116	Roscoe and Hvorslev Surfaces for Unsaturated Silty Soil. 2014 , 14, 230-238		11
1115	Influence of plant root system morphology and architectural traits on soil shear resistance. 2014 , 377, 43-61		92
1114	Elastoplasticity Theory. 2014 ,		22
1113	Modeling of Coupled Thermo-Hydro-Mechanical Processes with Links to Geochemistry Associated with Bentonite-Backfilled Repository Tunnels in Clay Formations. 2014 , 47, 167-186		61
1112	Modelling the construction of a high embankment dam. 2014 , 18, 93-102		5

1111	A constitutive model for unsaturated soils with consideration of inter-particle bonding. 2014 , 59, 127-144	33
1110	Thermo-hydro-mechanical-air coupling finite element method and its application to multi-phase problems. 2014 , 6, 77-98	8
1109	Uniqueness and existence in plasticity models for unsaturated soils. 2014 , 9, 313-327	16
1108	Retaining Structures in Expansive Clays. 2014 , 32, 1405-1414	7
1107	On the use of effective stress in three-dimensional hydro-mechanical coupled model. 2014 , 58, 56-68	4
1106	Three-dimensional behaviour of a prototype radioactive waste repository in fractured granitic rock. 2014 , 51, 246-259	18
1105	3D modeling of cohesive crack growth in partially saturated porous media: A parametric study. 2014 , 124-125, 272-286	15
1104	Modelling of shear stiffness of unsaturated fine grained soils at very small strains. 2014 , 56, 28-39	20
1103	Effect of overburden pressure and degree of saturation on compressibility characteristics. 2014 , 9, 52-62	5
1102	Deformation characteristics of a clayey interbed during fluid injection. 2014 , 183, 185-192	25
1101	Swelling pressure characteristics of compacted Chinese Gaomiaozi bentonite GMZ01. 2014 , 54, 748-759	44
1100	Instability of unsaturated soils: A review of theoretical methods. 2014 , 2, 39-65	1
1099	Unification of plastic compression in a coupled mechanical and water retention model for unsaturated soils. 2014 , 51, 1488-1493	5
1098	A new and simple stress-dependent water retention model for unsaturated soil. 2014 , 62, 216-222	49
1097	Clod Size and Moisture Condition Influence on the Shearing Behavior of Compacted Soil. 2014 , 32, 1253-1260	0
1096	Model evaluation of geochemically induced swelling/shrinkage in argillaceous formations for nuclear waste disposal. 2014 , 97-98, 24-32	10
1095	Toward a tool aimed to quantify soil compaction risks at a regional scale: Application to Wallonia (Belgium). 2014 , 144, 53-71	10
1094	Mathematical Modelling of Slopes. 2014 , 9, 64-73	4

1093	Modelling Landslides Induced by Rainfall: A Coupled Approach. 2014 , 9, 222-228	6
1092	Small Scale Slope Failure Benchmark Test. Modelling and Prediction. 2014 , 9, 201-205	2
1091	Implicit scheme for integrating constitutive model of unsaturated soils with coupling hydraulic and mechanical behavior. 2014 , 35, 1129-1154	6
1090	An elastoplastic model of bentonite free swelling. 2014 , 181, 190-201	19
1089	Effective stress concept on multi-scale swelling soils. 2014 , 101, 205-214	7
1088	A two stage model for moisture-induced deformations in expansive soils. 2014 , 3,	3
1087	Coupled effects of capillary suction and fabric on the strength of moist granular materials. 2014 , 225, 2261-2275	8
1086	Grainsize dependence of clastic yielding in unsaturated granular soils. 2014 , 16, 469-483	24
1085	A new triaxial apparatus for testing soil water retention curves of unsaturated soils under different temperatures. 2014 , 15, 364-373	9
1084	Multiphysics implementation of advanced soil mechanics models. 2014 , 60, 20-28	17
1083	Discontinuous bifurcation analysis of thermodynamically consistent gradient poroplastic materials. 2014 , 51, 1834-1846	9
1082	Relative performance of two unsaturated soil models using different constitutive variables. 2014 , 51, 1423-1437	6
1081	Experimental study on volumetric behaviour of Maryland clay and the role of degree of saturation. 2014 , 51, 1449-1455	17
1080	A Modified Effective Stress Principle for Unsaturated Swelling Clays Derived from Microstructure. 2014 , 13, vzt2013.06.0107	14
1079	Unified hardening (UH) model for overconsolidated unsaturated soils. 2014 , 51, 810-821	22
1078	Soil-water-air fully coupling finite element analysis of slope failure in unsaturated ground. 2014 , 54, 377-395	19
1077	An experimental investigation on the secondary compression of unsaturated GMZ01 bentonite. 2014 , 97-98, 104-109	21
1076	A regularized Lagrangian meshfree method for rainfall infiltration triggered slope failure analysis. 2014 , 42, 51-59	15

1075	RETRACTED ARTICLE: Numerical analysis of multiphase flow in porous material. 2014 , 9, 1-1	11
1074	Mechanisms of rainfall induced differential settlements in unsaturated heterogeneous foundations. 2014 , 1813-1819	
1073	A chemo-mechanical constitutive model accounting for cation exchange in expansive clays. 2014 , 18-31	1
1072	Slip line theory extended to unsaturated soils and applied to the retaining wall-unsaturated soil interaction problem. 2014 , 1807-1812	
1071	Hydro-mechanical behaviour of unsaturated soils. 2014 , 271-276	
1070	Some issues in hydro-mechanical behaviour of unsaturated soils and its modelling. 2014 , 45-53	
1069	Effectiveness of granular columns in containing settlement. 2014 , 167, 371-379	3
1068	Elasticity moduli of expansive soils from dimensional analysis. 2014 , 1, 60-72	14
1067	Numerical simulation of saturation process in TRU disposal facility. 2014 , 409-414	1
1066	Micromechanical Analysis of Force Transport in Wet Granular Soils. 2014 , 13, vj2013.06.0113	14
1065	Effective Stress and Shear Strength of Moist Uniform Spheres. 2014 , 13, 1-13	6
1064	Elastoplastic framework to simulate the collapse of soils. 2014 , 329-334	
1063	Hydration kinetics of compacted low-density bentonite. 2014 , 1067-1072	
1062	A tensorial description of stresses in triphasic granular materials with interfaces. 2015 , 4, 73-87	12
1061	Mechanical stability of engineered barriers in a subsurface disposal facility during gas migration based on coupled hydromechanical modelling. 2015 , 415, 213-224	2
1060	Modified Unconfined Compression Testing System to Characterize Stress-Strain Behavior of Unsaturated Soils at Low Confining Stresses. 2015 , 2510, 54-64	10
1059	A method for characterizing desiccation-induced consolidation and permeability loss of organic soils. 2015 , 51, 775-786	1
1058	A micro-and macro-scale investigation of the geotechnical properties of a pyroclastic flow deposit of the Colli Albani. 2015 , 95-96	

- 1057 Effects of Humidity on the Time-Dependent Behaviour of Geomaterials. **2015,**
- 1056 Reanalysis on shear strength of unsaturated soils. **2015, 569-574**
- 1055 Unsaturated creep behaviors of weak intercalated soils in soft rock of Badong formation. **2015, 12, 1460-1470 8**
- 1054 Theoretical and Experimental Investigation into Unsaturated Soil Constitutive Relationship □ Preliminary Studies. **2015, 11-17**
- 1053 Hydro-mechanical behavior of undisturbed collapsible loessial soils under different stress state conditions. **2015, 195, 28-41** 59
- 1052 Influence of strain-rate on hydromechanical behavior of highly compacted GMZ01 bentonite. **2015, 195, 85-92** 9
- 1051 Coupled Thermo-Hydro-Mechanical Behavior of Natural and Engineered Clay Barriers. **2015, 6, 329-355** 2
- 1050 Mechanical properties and behaviour of a partially saturated lime-treated, high plasticity clay. **2015, 193, 320-336** 19
- 1049 Damage and deformation control equation for gas-bearing coal and its numerical calculation method. **2015, 25, 166-179** 20
- 1048 Capillary-based effective stress formulation for predicting shear strength of unsaturated soils. **2015, 52, 2067-2076** 46
- 1047 On Unsaturated Soil Mechanics □Personal Views on Current Research. **2015, 37, 73-84** 6
- 1046 Constitutive Modeling of Unsaturated Soils Using Results from Suction Controlled Odometer Tests. **2015,**
- 1045 Effects of air coupling on triaxial shearing behavior of unsaturated silty specimens under constant confining pressure and various drained and exhausted conditions. **2015, 55, 1372-1387** 2
- 1044 Compressibility and microstructure of compacted laterites. **2015, 5, 20-34** 21
- 1043 Bifurcation and Degradation of Geomaterials in the New Millennium. **2015,** 1
- 1042 Review of methods for predicting in situ volume change movement of expansive soil over time. **2015, 7, 73-86** 36
- 1041 Stiffness of intermediate unsaturated soil from simultaneous suction-controlled resonant column and bender element testing. **2015, 188, 10-28** 53
- 1040 A bounding surface plasticity model for unsaturated soil at small strains. **2015, 39, 1141-1164** 17

1039	Analysis of slope movement initiation induced by rainfall using the Elastoplastic Barcelona Basic Model. 2015 , 19, 1033-1058		13
1038	An SMP critical state model for methane hydrate-bearing sands. 2015 , 39, 969-987		46
1037	Matric suction measurements of compacted subgrade soils. 2015 , 16, 358-378		12
1036	Effects of sample dimensions and shapes on measuring soil-water characteristic curves using pressure plate. 2015 , 7, 463-468		13
1035	Hydro-mechanical response of collapsible soils under different infiltration events. 2015 , 39, 1212-1234		17
1034	Use of Effective Stresses to Model the Collapse upon Wetting in Unsaturated Soils. 2015 , 141, 04015007		9
1033	Hydromechanical Behaviors of Unsaturated Soils. 2015 , 27, 04014209		3
1032	Simulation of collapse settlement of first filling in a high rockfill dam. 2015 , 187, 32-44		20
1031	A smoothed cap model for variably saturated soils and its robust numerical implementation. 2015 , 39, 1276-1303		5
1030	Thermal-Hydro-Mechanical Analysis of Frost Heave and Thaw Settlement. 2015 , 141, 04015027		62
1029	Thermo-mechanical constitutive modeling of unsaturated clays based on the critical state concepts. 2015 , 7, 193-198		9
1028	APPLICATION OF AN ELASTOPLASTIC MODEL TO PREDICT BEHAVIORS OF CONCRETE-FACED ROCK-FILL DAM UNDER COMPLEX LOADING CONDITIONS. 2015 , 21, 854-865		2
1027	Ceramic sanitary wares: Prediction of the deformed shape after the production process. 2015 , 215, 309-319		8
1026	Microstructural changes of an undisturbed, reconstituted and compacted high plasticity clay subjected to wetting and drying. 2015 , 193, 363-373		58
1025	Benchmarking selection of parameter values for the Barcelona basic model. 2015 , 196, 99-118		6
1024	Wetting of compacted clays under laterally restrained conditions: initial state, overburden pressure and mineralogy. <i>Geotechnique</i> , 2015 , 65, 111-125	3-4	6
1023	Mechanical properties of two expansive clay soils from Sudan. <i>Geotechnique</i> , 2015 , 65, 258-273	3-4	6
1022	Using the Continuously Disturbed Line to Estimate the Mechanical Behaviour of Unsaturated Compacted Soils. 2015 , 33, 833-840		

1021	A new unified failure criterion for unsaturated soils. 2015 , 74, 3345-3356	6
1020	Is Wetting Collapse an Unstable Compaction Process?. 2015 , 141, 04014098	13
1019	A versatile mathematical approach for environmental geomechanic modelling based on stress state decomposition. 2015 , 39, 6880-6896	4
1018	Assessing the production of jet mix columns using alkali activated waste based on mechanical and financial performance and CO ₂ (eq) emissions. 2015 , 102, 447-460	35
1017	Differentiated intra- and inter-aggregate water content models of mx-80 bentonite. 2015 , 118, 325-336	40
1016	Moisture Content-Based Longitudinal Cracking Prediction and Evaluation Model for Low-Volume Roads over Expansive Soils. 2015 , 27, 04014263	9
1015	Compression mechanisms of unsaturated clay under high stresses. 2015 , 52, 2099-2112	24
1014	Coupled hydro-mechanical analysis of slope under rainfall using modified elasto-plastic model for unsaturated soils. 2015 , 22, 1892-1900	5
1013	Shear strength of shale weathered expansive soils along swell-shrink paths: analysis based on microscopic properties. 2015 , 74, 6887-6899	7
1012	Poroelastic behaviour of fine compacted soils in the unsaturated to saturated transition zone. 2015 , 69, 627-640	5
1011	A micromechanical study of drying and carbonation effects in cement-based materials. 2015 , 27, 49-61	6
1010	Equivalent Stress Approach in Creation of Elastoplastic Constitutive Models for Unsaturated Soils. 2015 , 15, 04014041	7
1009	Numerical analysis of concrete under a wide range of stress and with different saturation condition. 2015 , 48, 295-306	3
1008	Effect of Soil Density and Suction on the Elastic and Plastic Parameters of Unsaturated Silty Soil. 2015 , 15, 04014079	5
1007	Modeling swelling-shrinkage behavior of compacted expansive soils during wetting-drying cycles. 2015 , 52, 783-794	34
1006	Coupling of soil deformation and pore fluid flow using material point method. 2015 , 63, 199-214	176
1005	A coupled stress-strain and hydraulic hysteresis model for unsaturated soils: Thermodynamic analysis and model evaluation. 2015 , 63, 159-170	14
1004	An advanced hydro-mechanical constitutive model for unsaturated soils with different initial densities. 2015 , 63, 46-66	65

1003	Recent Advances in Modeling Landslides and Debris Flows. 2015 ,	11
1002	Application of a Multi-Scale form of Terzaghi's Effective Stress Principle for Unsaturated Expansive Clays to Simulate Hydro-Mechanical Behavior During Hydration. 2016 , 9, 14024	1
1001	Effects of defects in geomembranes on reducing desiccation potential of geosynthetic clay liners. 2016 , 2, 2418-2422	1
1000	Plasto-damage modelling for semi-brittle geomaterials. 2016 , 9, 17005	
999	Formulation of a phase field model of multiphase flow in deformable porous media. 2016 , 9, 16006	
998	A Thermomechanical Transport Approach and Application in Soil-Water System of Polluted Mining Areas considering the Three-Phase Coupling. 2016 , 2016, 1-5	
997	Essential features of compacted silty sand behavior via suction-controlled triaxial testing. 2016 , 9, 17009	
996	Explicit stress integration with streamlined drift reduction. 2016 , 99, 189-198	2
995	Implicit integration under mixed controls of a breakage model for unsaturated crushable soils. 2016 , 40, 887-918	7
994	Landslide hydrology: from hydrology to pore pressure. 2016 , 3, 439-459	116
993	Relationship between resilient modulus and suction for compacted subgrade soils. 2016 , 211, 85-97	48
992	Cam-Clay plasticity, Part VIII: A constitutive framework for porous materials with evolving internal structure. 2016 , 309, 653-679	55
991	An elastic-viscoplastic model for saturated frozen soils. 2016 , 1-17	12
990	Stress-Strain response of Malaysian granitic residual soil grade V, according to Rotational Multiple Yield Surface Framework. 2016 , 9, 09005	3
989	Modelling of wetting tests for a natural pyroclastic soil. 2016 , 9, 17007	
988	Effects of Soil-Vegetation-Atmosphere Interaction on the Stability of a Clay Slope: A Case Study. 2016 , 9, 15002	4
987	Study on the stress path dependency of collapse behavior of Gorgan loess implementing unsaturated oedometer devices. 2016 , 9, 14019	
986	Numerical analysis of rapid drawdown: Applications in real cases. 2016 , 9, 175-182	24

985	Characterization of compacted silty sand via relative humidity-controlled triaxial testing. 2016 , 9, 09012	
984	Coupled infiltration model of unsaturated porous media for steady rainfall. 2016 , 56, 1071-1081	18
983	Shakedown modeling of unsaturated expansive soils subjected to wetting and drying cycles. 2016 , 9, 08007	1
982	Soil-atmosphere interaction in unsaturated cut slopes. 2016 , 9, 08004	2
981	A new constitutive model of unsaturated soils using bounding surface plasticity (BSP) and a non-associative flow rule. 2016 , 1, 1	12
980	Water retention and volumetric characteristics of intact and re-compacted loess. 2016 , 53, 1258-1269	76
979	Influence of pore fluid concentration on water retention properties of compacted GMZ01 bentonite. 2016 , 129, 131-141	34
978	Phase field modeling of partially saturated deformable porous media. 2016 , 94, 230-256	10
977	Gas migration in a Cenozoic clay: Experimental results and numerical modelling. 2016 , 6, 81-100	18
976	Analysis of unsaturated materials hydration incorporating the effect of thermo-osmotic flow. 2016 , 6, 101-115	7
975	Hydro-mechanical analysis of SEALEX in-situ tests – Impact of technological gaps on long term performance of repository seals. 2016 , 205, 81-92	16
974	Influences of salt solution concentration and vertical stress during saturation on the volume change behavior of compacted GMZ01 bentonite. 2016 , 207, 48-55	33
973	A novel parameter identification approach for buffer elements involving complex coupled thermo-hydro-mechanical analyses. 2016 , 76, 23-32	18
972	Modeling Soil Processes: Review, Key Challenges, and New Perspectives. 2016 , 15, v2j2015.09.0131	311
971	About the State Parameters of Active Clays. 2016 ,	2
970	The influence of high air entry filter on the testing of unsaturated soils using the axis translation technique. 2016 , 3, 90-98	1
969	Numerical modeling of coupled thermal-hydro-mechanical behavior of GMZ bentonite in the China-Mock-up test. 2016 , 214, 116-126	12
968	Comparative modelling of laboratory experiments for the hydro-mechanical behaviour of a compacted bentonite sand mixture. 2016 , 75, 1	9

967	Effects of Temperature and Suction on Plastic Deformation of Unsaturated Silt under Cyclic Loads. 2016 , 28, 04016170		17
966	Artificial ground freezing of a volcanic ash: laboratory tests and modelling. 2016 , 3, 141-154		31
965	Controllability Criteria for Soils Saturated by a Compressible Fluid. 2016 , 142, 04016076		11
964	Analysis of hydro-mechanical behaviour of compacted bentonite/sand mixture using a double structure formulation. 2016 , 75, 1		5
963	Colapso por humedecimiento en los terraplenes de la autopista Pátzcuaro-Uruapan. 2016 , 17, 201-210		1
962	Geoenvironmental Engineering. 2016 ,		
961	Diffusive Instability of Pore Pressure Transients in Deformable Unsaturated Soils. 2016 , 142, 04016091		4
960	Air injection tests in two argillaceous rock formations: Experimental results and modelling. 2016 , 715-721		1
959	Hydro-mechanical behaviour of sandy silt under generalised stress conditions. 2016 , 9, 14014		
958	Effect of the clay-water interaction in the hydration of compacted bentonite used in engineered barriers. 2016 , 8, 52-61		9
957	A nonlinear elastic approach to modelling the hydro-mechanical behaviour of the SEALEX experiments on compacted MX-80 bentonite. 2016 , 75, 1		3
956	Volume changes of an unsaturated clay during heating and cooling. 2016 , 6, 192-198		20
955	Welcome theJournal of Environmental Geotechnics. 2016 , 3, 127-131		0
954	Stiffness and shear strength of unsaturated soils in relation to soil-water characteristic curve. <i>Geotechnique</i> , 2016 , 66, 627-647	3-4	61
953	Hydro-mechanical analysis of volcanic ash slopes during rainfall. <i>Geotechnique</i> , 2016 , 66, 220-231	3-4	11
952	Impact of Compaction Methods on Resilient Response of Unsaturated Granular Pavement Material. 2016 , 143, 323-330		10
951	Simulating the cyclic behaviour of unsaturated soil at various temperatures using a bounding surface model. <i>Geotechnique</i> , 2016 , 66, 344-350	3-4	20
950	Fully Coupled Thermo-Hydro-Mechanical Double-Porosity Formulation for Unsaturated Soils. 2016 , 16,		49

949	Constitutive Model of Unsaturated Soils Considering the Effect of Intergranular Physicochemical Forces. 2016 , 142, 04016088	11
948	Fundamentals of the Hydromechanical Behavior of Multiphase Granular Materials. 2016 , 461-486	
947	Characterizing Permanent Deformation of Silty Sand Subgrades by Using a Model Based on Multistage Repeated-Load Triaxial Testing. 2016 , 2578, 47-57	2
946	Use of Oedometer Equipped with High-Suction Tensiometer to Characterize Unsaturated Soils. 2016 , 2578, 58-71	3
945	Anisotropic behaviour of compacted clayey silt subjected to hydromechanical paths. 2016 , 9, 14021	1
944	Hydro-mechanical modelling of MX-80 bentonite: one dimensional study. 2016 , 9, 18005	5
943	An effective stress approach for hydro-mechanical coupling of unsaturated soils. 2016 , 9, 17006	
942	SEALEX in-situ experiments-performance tests of repository seals: experimental observations and modelling. 2016 , 9, 04006	0
941	Performance of high-capacity tensiometer in constant water content oedometer test. 2016 , 7, 1	8
940	Prediction of wetting-induced volume change behaviour of compacted unsaturated soils in the context of the MPK framework. 2016 , 9, 17011	1
939	Elastoplastic model for unsaturated, quasi-saturated and fully saturated fine soils. 2016 , 9, 08016	
938	Chemo-mechanics of cemented granular solids subjected to precipitation and dissolution of mineral species. 2016 , 40, 1295-1320	18
937	Influence of gas generation in electro-osmosis consolidation. 2016 , 40, 1570-1593	11
936	Explicit integration of a porosity-dependent hydro-mechanical model for unsaturated soils. 2016 , 40, 2353-2382	10
935	Pitfalls in Interpretation of Gravimetric Water ContentBased Soil-Water Characteristic Curve for Deformable Porous Media. 2016 , 16,	44
934	Fully coupled multi-phase modelling of pumping induced settlements, air- and water flow in multi-layered normally consolidated soils. 2016 , 79, 10-21	3
933	A new hydro-mechanical model for bentonite resaturation applied to the SEALEX experiments. 2016 , 75, 1	2
932	Modeling the Stress-Dilatancy Relationship of Unsaturated Silica Sand in Triaxial Compression Tests. 2016 , 142, 04016055	15

931	Lateral Load-Displacement Behavior of Pipelines in Unsaturated Sands. 2016 , 142, 04016060	16
930	Modeling Essential Elastoplastic Features of Compacted Silty Sand via Suction-Controlled Triaxial Testing. 2016 , 16,	20
929	Introduction. 2016 , 3-13	
928	Coupled Hydro-Mechanical Analysis for Unsaturated Soil Slope. 2016 , 101-171	
927	Constitutive modelling of the time-dependent behaviour of partially saturated rocks. 2016 , 78, 123-133	9
926	A fully coupled damage-plasticity model for unsaturated geomaterials accounting for the ductile-brittle transition in drying clayey soils. 2016 , 91, 102-114	12
925	Constitutive model for rate-independent behavior of saturated frozen soils. 2016 , 53, 1646-1657	43
924	Yielding of Silt at High Temperature and Suction Magnitudes. 2016 , 34, 501-514	15
923	Thermo-elastoplastic constitutive model for unsaturated soils. 2016 , 11, 1287-1302	13
922	Limitations of suction-controlled triaxial tests in the characterization of unsaturated soils. 2016 , 40, 269-296	6
921	A coupled two-phase fluid flow and elastoplastic deformation model for unsaturated soils: theory, implementation, and application. 2016 , 40, 1023-1058	12
920	A kinematic hardening based model for unsaturated soils considering different hydraulic conditions. 2016 , 40, 2271-2290	2
919	Numerical analysis of canister movements in an engineered barrier system. 2016 , 11, 145-159	5
918	An Elastoplastic Model for Partially Saturated Collapsible Rocks. 2016 , 49, 455-465	4
917	Monitoring of swelling pressure in bentonite. 2016 , 3, 334-345	2
916	Swelling and mechanical erosion of MX-80 bentonite: Pinhole test simulation. 2016 , 202, 99-113	16
915	Numerical Modeling of Water Pressure in Propagating Concrete Cracks. 2016 , 142, 04016011	9
914	State-of-the-Art: Prediction of Resilient Modulus of Unsaturated Subgrade Soils. 2016 , 16, 04015104	56

913	Swelling and Collapse of Unsaturated Soils Due to Inundation Under One-Dimensional Loading. 2016 , 46, 239-251	6
912	Capillary water retention curve and shear strength of unsaturated soils. 2016 , 53, 974-987	66
911	Influence of Suction History on Hydraulic and Stress-Strain Behavior of Unsaturated Soils. 2016 , 16,	11
910	A weak form quadrature element formulation for coupled analysis of unsaturated soils. 2016 , 76, 1-11	6
909	Hydraulic and Mechanical Behavior of Unsaturated Silt: Experimental and Theoretical Characterization. 2016 , 16,	11
908	Effect of Suction Stress on Critical State of Compacted Silty Soils under Low Confining Pressure. 2016 , 16,	11
907	Influence of salt concentration on volume shrinkage and water retention characteristics of compacted GMZ bentonite. 2016 , 75, 1	18
906	Hydro-elasto-plastic modelling with a solid/fluid transition. 2016 , 75, 69-79	12
905	Review of collapse triggering mechanism of collapsible soils due to wetting. 2016 , 8, 256-274	136
904	Interpretation of the loading/wetting behaviour of compacted soils within the MPK framework. Part I: Static compaction. 2016 , 53, 783-805	20
903	Interpretation of the loading/wetting behaviour of compacted soils within the MPK framework. Part II: Dynamic compaction. 2016 , 53, 806-827	16
902	Influence of Mineral Montmorillonite on Soil Suction Modeling Parameters of Natural Expansive Clays. 2016 , 46, 291-298	8
901	Plasticity with generalized hardening: constitutive modeling and computational aspects. 2016 , 11, 595-623	17
900	Use of a Dual-Structure Constitutive Model for Predicting the Long-Term Behavior of an Expansive Clay Buffer in a Nuclear Waste Repository. 2016 , 16,	14
899	Microstructure-Based Effective Stress Formulation for Unsaturated Granular Soils. 2016 , 16,	12
898	Suction-Induced Hardening Effects on the Shear Modulus of Unsaturated Silt. 2016 , 16,	14
897	Modeling Behavior of Friction Pile in Compacted Glacial Till. 2016 , 16,	19
896	Energy geotechnics: Advances in subsurface energy recovery, storage, exchange, and waste management. 2016 , 75, 244-256	62

895	A chemo-elastic-plastic model for unsaturated expansive clays. 2016 , 88-89, 354-378	10
894	Laboratory Approach for Faster Determination of the Loading-Collapse Yield Curve of Compacted Soils. 2016 , 28, 04015148	2
893	Effect of wheel traffic on the physical properties of a Luvisol. 2016 , 262, 276-284	16
892	Numerical modelling of multiphase flow in unsaturated deforming porous media. 2016 , 71, 195-206	32
891	Explicit formulation of at-rest coefficient and its role in calibrating elasto-plastic models for unsaturated soils. 2016 , 71, 56-68	12
890	Drying-induced shrinkage of Boom clay: an experimental investigation. 2016 , 53, 396-409	5
889	Simplified Finite-Element Model for Site Response Analysis of Unsaturated Soil Profiles. 2016 , 16, 04015036	6
888	Shear strength of a compacted scaly clay in variable saturation conditions. 2016 , 11, 37-50	26
887	Modeling the Dependency of Soil-Water Retention Curve on Volumetric Deformation. 2017 , 17, 04016039	7
886	Influence of initial dry density and water content on the soil-water characteristic curve and suction stress of a reconstituted loess soil. 2017 , 76, 1085-1095	28
885	Physico-chemical effects on collapse behaviour of compacted red soil. <i>Geotechnique</i> , 2017 , 67, 559-571	3-4 12
884	Numerical Simulation of Wetting-Induced Settlement of Embankments. 2017 , 31,	5
883	Influence of Lateral Swelling Pressure on the Geotechnical Infrastructure in Expansive Soils. 2017 , 143, 04017006	18
882	Developing a 3D elastoplastic constitutive model for soils: A new approach based on characteristic stress. 2017 , 86, 129-140	27
881	THE BEHAVIOR CHARACTERISTICS OF A RESERVOIR LEVEE SUBJECTED TO INCREASING WATER LEVELS. 2017 , 23, 15-27	2
880	A pore-scale method for hydromechanical coupling in deformable granular media. 2017 , 318, 1066-1079	20
879	A bounding surface compression model with a unified virgin line for saturated and unsaturated soils. <i>Geotechnique</i> , 2017 , 67, 703-712	3-4 15
878	Piecewise-Linear Formulation of Coupled Large-Strain Consolidation and Unsaturated Flow. I: Model Development and Implementation. 2017 , 143, 04017018	12

877	Effect of Unsaturated Expansive Soils on Canal Linings: A Case Study on the Tabriz Plain Canal, Iran. 2017 , 66, 396-410		0
876	Granular Column Collapse of Wet Sand. 2017 , 175, 14-20		10
875	Simulation of hydromechanical behaviour of bentonite seals for containment of radioactive wastes. 2017 , 54, 1055-1070		11
874	Hysteretic Model for the Evolution of Water Retention Curve with Void Ratio. 2017 , 143, 04017030		26
873	Constitutive Model for Drained Compression of Unsaturated Clay to High Stresses. 2017 , 143, 04017014		8
872	Coupled THM modelling of engineered barriers for the final disposal of spent nuclear fuel isolation. 2017 , 443, 235-251		4
871	Experimental investigation of evolving anisotropy in unsaturated soils. <i>Geotechnique</i> , 2017 , 1-17	3-4	9
870	A coupled elastoplastic and visco-plastic damage model for hard clay and its application for the underground gallery excavation. 2017 , 2, 60-72		4
869	Stress-Force-Fabric Relationship for Unsaturated Granular Materials in Pendular States. 2017 , 143, 04017068		14
868	Modelling of compacted bentonite swelling accounting for salinity effects. 2017 , 223, 48-58		38
867	Influence of Compaction Moisture Content on Wetting-Induced Settlement of Embankments. 2017 , 3, 1		1
866	Unsaturated dynamic constitutive model under cyclic loading. 2017 , 20, 2869-2879		31
865	Modeling Coupled Processes in Municipal Solid Waste Landfills: An Overview with Key Engineering Challenges. 2017 , 3, 1		26
864	A coupled fluid-solid SPH approach to modelling flow through deformable porous media. 2017 , 125, 244-264		55
863	Stoffgesetze für Böden. 2017 , 457-509		2
862	A model for natural lumpy composite soils and its verification. 2017 , 121, 240-256		4
861	A simple procedure to simulate a smooth elastic-plastic transition in Cam-Clay models. 2017 , 90, 27-33		1
860	Modelling the deterioration of the near surface caused by drying induced cracking. 2017 , 146, 176-185		21

859	Modeling the Behavior of Expansive Soils Using Effective Stresses. 2017 , 17, 04017062	3
858	Computational thermo-hydro-mechanics for multiphase freezing and thawing porous media in the finite deformation range. 2017 , 318, 667-700	56
857	Comparison of the hydrogeochemical and mechanical behaviours of compacted bentonite using different conceptual approaches. 2017 , 141, 280-291	13
856	Behaviour of Partially Saturated Soil Under Isotropic and Triaxial Condition Using Modified BBM. 2017 , 47, 219-232	2
855	Comparative modelling approaches of hydro-mechanical processes in sealing experiments at the Tournemire URL. 2017 , 76, 1	7
854	A macro-structural constitutive model for partially saturated expansive soils. 2017 , 76, 1075-1084	2
853	Small strain shear moduli of unsaturated natural and compacted loess. <i>Geotechnique</i> , 2017 , 67, 646-651 3,4	10
852	Consolidation in spatially random unsaturated soils based on coupled flow-deformation simulation. 2017 , 41, 682-706	8
851	Compression and shear strength characteristics of compacted loess at high suctions. 2017 , 54, 690-699	29
850	A nanoscopic hydro-thermo-mechanical model for nuclear waste shale/clay repositories. 2017 , 10, 1	3
849	Investigation of Hydraulic Conductivity and Matric Suction in SandBentoniteCoal Ash Mixes. 2017 , 47, 542-558	5
848	Prediction of soil stress-strain response incorporates mobilised shear strength envelope of granitic residual soil. 2017 ,	1
847	Rainfall-triggered landslides in an unsaturated soil: a laboratory flume study. 2017 , 76, 1	9
846	Experimental Validation of Terzaghi's Effective Stress Principle for Gassy Sand. 2017 , 143, 04017092	15
845	Numerical modelling of slopeVegetationAtmosphere interaction: an overview. 2017 , 50, 249-270	44
844	Regional-scale modelling of shallow landslides with different initiation mechanisms: Sliding versus liquefaction. 2017 , 228, 346-356	10
843	Forming condition of transient saturated zone and its distribution in residual slope under rainfall conditions. 2017 , 24, 1866-1880	19
842	Modeling the mechanical behavior of unsaturated expansive soils based on Bishop principle of effective stress. 2017 , 76, 1	9

841	Predicting the swelling pressure of MX-80 bentonite. 2017 , 149, 51-58	20
840	A strain-rate-dependent modified Cam-Clay model for the simulation of soil/rock compaction. 2017 , 11, 42-51	16
839	Laboratory study and interpretation of mechanical behavior of frozen clay through state concept. 2017 , 57, 194-210	23
838	Consolidation behavior of an unsaturated silty soil during drying and wetting. 2017 , 57, 277-287	13
837	Bentonite Saturation from Discrete Fractures [Numerical Model of Non-Uniform Swelling Over a Gap. 2017 , 191, 530-535	
836	Application of a Thermo-hydro-mechanical Model for Freezing and Thawing. 2017 , 191, 74-81	4
835	Elastoplastic model for hydro-mechanical behavior of unsaturated soils. 2017 , 57, 371-383	9
834	A study on how to couple thermo-hydro-mechanical behaviour of unsaturated soils: Physical equations, numerical implementation and examples. 2017 , 92, 132-155	40
833	CO2 breakthrough in caprock sealing efficiency and integrity for carbon geological storage. 2017 , 66, 218-229	56
832	Hydromechanical modelling of the SEALEX experiments. 2017 , 76, 1	2
831	Hydro-mechanical analysis of rainfall-induced fines migration process within unsaturated soils. 2017 , 14, 2603-2619	8
830	A Micromechanical Model for Unsaturated Soils Based on Thermodynamics. 2017 ,	4
829	Tensile Strength of Compacted Clay between Residual Saturation and Air Entry. 2017 ,	
828	Coupled consolidation in unsaturated soils: From a conceptual model to applications in boundary value problems. 2017 , 84, 256-277	7
827	Critical state shear strength of an unsaturated artificially cemented sand. <i>Geotechnique</i> , 2017 , 67, 208-215	12
826	Coupled hydro-mechanical analysis of two unstable unsaturated slopes subject to rainfall infiltration. 2017 , 216, 13-30	45
825	Coupled consolidation in unsaturated soils: An alternative approach to deriving the Governing Equations. 2017 , 84, 238-255	7
824	Capillary force and rupture of funicular liquid bridges between three spherical bodies. 2017 , 305, 89-98	51

823	Hydromechanical behavior of an embankment during inundation. 2017 , 54, 348-358	8
822	A unified mechanical and retention model for saturated and unsaturated soil behaviour. 2017 , 12, 1-21	82
821	The micromechanical nature of stresses in triphasic granular media with interfaces. 2017 , 99, 495-511	15
820	Constitutive Model for the Undrained Compression of Unsaturated Clay. 2017 , 143, 04016117	4
819	Transient bifurcation condition of partially saturated porous media at finite strain. 2017 , 41, 135-156	18
818	A simple procedure to improve the explicit integration of Cam-Clay models. 2017 , 81, 207-211	4
817	Global and local sensitivity analyses for coupled thermo-hydro-mechanical problems. 2017 , 41, 707-720	6
816	Nano-level constitutive model for expansive clays. <i>Geotechnique</i> , 2017 , 67, 187-207	3-4 9
815	Effect of pore fluid on compressibility and collapse of clayey sand. 2017 , 4, 432-443	8
814	An elasto-plastic damage model for argillaceous geomaterials. 2017 , 135, 82-94	4
813	Sustainability Issues in Civil Engineering. 2017 ,	4
812	Tieback Retaining Wall in High Plasticity Expansive Soil. 2017 , 31,	2
811	Work input analysis for soils with double porosity and application to the hydromechanical modeling of unsaturated expansive clays. 2017 , 54, 173-187	23
810	Numerical investigation into the failure of a micropile retaining wall. 2017 , 81, 262-273	8
809	Thermo-hydro-mechanical analysis of a full-scale heating test. 2017 , 4, 123-134	4
808	Computational Geomechanics Including Consolidation. 1-36	
807	A 3D Bounding Surface Plasticity Model for Soils. 2017 ,	2
806	Unified Description of the Mechanical Properties of Typical Marine Soil and Its Application. 2017 , 2017, 1-18	1

805	The Role of Surface Infiltration in Hydromechanical Coupling Effects in an Unsaturated Porous Medium of Semi-Infinite Extent. 2017 , 2017, 1-10	2
804	MICROSCOPIC CHARACTERISTICS OF PORE WATER DURING PROGRESSIVE DEVELOPMENT OF SHEAR BANDS OF PARTIALLY SATURATED SAND UNDER TRIAXIAL COMPRESSION. 2017 , 73, 233-247	
803	Modelling hydro-mechanical behavior for unsaturated soils. 2017 , 5, 79-94	1
802	EXPERIMENTAL STUDY ON UNSATURATED DOUBLE-POROSITY SOIL PHENOMENA UNDER VIBRATION EFFECT. 2017 , 79,	2
801	Revisiting the existence of an effective stress for wet granular soils with micromechanics. 2018 , 42, 959-978	11
800	Physico-Chemical Effects on Behaviour of Unsaturated Soils. 2018 , 303-315	
799	Numerical simulations of triaxial shearing-infiltration tests. 2018 , 58, 398-411	4
798	On the choice of stress-strain variables for unsaturated soils and its effect on plastic flow. 2018 , 15, 3-9	1
797	Significance of molecular-level behaviour incorporation in the constitutive models of expansive clays: a review. 2018 , 13, 115-138	6
796	Solute transfer during consolidation based on a solid-fluid-solute coupling model. 2018 , 42, 1172-1196	1
795	Modeling the stress versus settlement behavior of shallow foundations in unsaturated cohesive soils extending the modified total stress approach. 2018 , 58, 382-397	23
794	A coupled hydro-mechanical constitutive model for unsaturated frictional and cohesive soil. 2018 , 98, 69-81	10
793	Predicting volumetric behavior of compacted clays during compression. 2018 , 156, 116-125	6
792	Suction and rate-dependent behaviour of a shear-zone soil from a landslide in a gently-inclined mudstone-sandstone sequence in the Sichuan basin, China. 2018 , 237, 1-11	21
791	Volume Change Behavior of Two Compacted Clayey Soils under Hydraulic and Mechanical Loadings. 2018 , 144, 04018013	15
790	Thermal effects on yielding and wetting-induced collapse of recompacted and intact loess. 2018 , 55, 1095-1103	12
789	Three-dimensional discrete element analysis of triaxial tests and wetting tests on unsaturated compacted silt. 2018 , 97, 90-102	11
788	An approach for providing quasi-convexity to yield functions and a generalized implicit integration scheme for isotropic constitutive models based on 2 unknowns. 2018 , 42, 829-855	10

787	A framework for coupled consolidation-desiccation behaviour of clay slurries. 2018 , 28, 275-280	2
786	Limit analysis, rammed earth material and Casagrande test. 2018 , 346, 98-109	3
785	A micromechanical UNSAT effective stress expression for stress-strain behaviour of wet granular materials. 2018 , 15, 10-18	2
784	Precursors of instability in a natural slope due to rainfall: a full-scale experiment. 2018 , 15, 1745-1759	27
783	Wetting collapse analysis on partially saturated oil chalks by a modified cam clay model based on effective stress. 2018 , 167, 44-53	3
782	A poromechanics model for plastic shrinkage of fresh cementitious materials. 2018 , 109, 120-132	31
781	Modelling the hydro-mechanical behaviour of GMZ bentonite. 2018 , 239, 195-205	2
780	Modelling the mechanical behaviour of a natural unsaturated pyroclastic soil within Generalized Plasticity framework. 2018 , 99, 191-202	9
779	Nonlinear modelling and simulation of vibrocompaction processes. 2018 , 102, 101-111	2
778	Modeling the Long-term Stability of Multi-barrier Systems for Nuclear Waste Disposal in Geological Clay Formations. 2018 , 395-451	3
777	Zarka shakedown modelling of expansive soils subjected to wetting and drying cycles. 2018 , 13, 77-87	2
776	Nonlinear Elastic Response of Partially Saturated Gas Shales in Uniaxial Compression. 2018 , 51, 1967-1978	11
775	Evaluating pavement performance through smart monitoring Effects of soil moisture, temperature and traffic. 2018 , 19, 71-86	9
774	Collapse behaviour of compacted red soil. 2018 , 12, 20-27	1
773	A thermomechanical constitutive model for unsaturated clays. 2018 , 12, 185-199	3
772	Localized failure in unsaturated soils under non-isothermal conditions. 2018 , 13, 73-85	27
771	Impact of compaction method on mechanical characteristics of unbound granular recycled materials. 2018 , 19, 912-934	18
770	Global representation of the drying/wetting curves of four engineering soils: experiments and correlations. 2018 , 13, 51-71	6

769	Capillary collapse of loose pyroclastic unsaturated sands characterized at grain scale. 2018 , 13, 117-133	11
768	Deformation and stresses upon drainage of an idealized granular material. 2018 , 13, 961-972	7
767	An assessment of statistically based relationships between critical state parameters. <i>Geotechnique</i> , 2018 , 68, 556-560	3-4 4
766	A stress integration scheme for elasto-plastic response of unsaturated soils subjected to large deformations. 2018 , 94, 231-246	12
765	Instability criteria for quasi-saturated viscous soils. 2018 , 42, 379-400	6
764	Numerical modeling of the elastoplastic damage behavior of dry and saturated concrete targets subjected to rigid projectile penetration. 2018 , 42, 312-338	2
763	Numerical evaluation of optimal approaches for electro-osmosis dewatering. 2018 , 36, 973-989	10
762	Safety factors to detect flowslides and slips in unsaturated shallow slopes. <i>Geotechnique</i> , 2018 , 68, 442-450	6
761	Hydraulic hysteresis effects on the coupled flow-deformation processes in unsaturated soils: Numerical formulation and slope stability analysis. 2018 , 54, 221-245	11
760	Hydromechanical Constitutive Model for Unsaturated Soils with Different Overconsolidation Ratios. 2018 , 18, 04017142	13
759	A microstructural effective stress definition for compacted active clays. 2018 , 15, 47-53	13
758	A modified flowability classification model for moist and cohesive bulk solids. 2018 , 325, 639-650	8
757	Numerical Study of Callovo-Oxfordian Argillite Expansion due to Gas Injection. 2018 , 18, 04017134	14
756	Prediction of the wetting-induced collapse behaviour using the soil-water characteristic curve. 2018 , 151, 259-268	22
755	From saturated to unsaturated conditions and vice versa. 2018 , 13, 15-37	18
754	Application of Hysteretic Trends in the Preconsolidation Stress of Unsaturated Soils. 2018 , 36, 193-207	1
753	PanAm Unsaturated Soils 2017. 2018 ,	
752	Volume change behavior of bentonite-sand mixture under constant suction condition. 2018 , 162, 01028	

751	Bounding surface-based modeling of compacted silty sand exhibiting suction dependent postpeak strain softening. 2018 , 42, 1741-1761	5
750	. 2018 ,	5
749	IFCEE 2018. 2018 ,	
748	Determination of the yield function and its derivatives of the Barcelona Expansive model. 2018 , 149, 02033	
747	An Insight into the Projection Characteristics of the Soil-Water Retention Surface. 2018 , 10, 1717	1
746	Failure mechanism of unsaturated landslide dam under seepage loading [Model tests and corresponding numerical simulations. 2018 , 58, 1133-1152	8
745	PanAm Unsaturated Soils 2017. 2018 ,	
744	Intra-aggregate water content and void ratio model for MX-80 bentonites. 2018 , 246, 131-138	10
743	Review of soil compaction: History and recent developments. 2018 , 17, 24-34	43
742	Influence of Raised Groundwater Level on the Stability of Unsaturated Soil Slopes. 2018 , 18, 04018168	13
741	Study of the relationship between hydro-mechanical soil behavior and microstructure of a structured soil. 2018 , 22, 91-101	10
740	Shear strength of granitic residual soil in saturated and unsaturated conditions. 2018 ,	0
739	Experimental Studies on Drying-Wetting Cycle Characteristics of Expansive Soils Improved by Industrial Wastes. 2018 , 2018, 1-9	11
738	Salinity effects on the erosion behaviour of MX-80 bentonite: A modelling approach. 2018 , 161, 494-504	4
737	Gas shales testing in controlled partially saturated conditions. 2018 , 107, 110-119	9
736	Numerical solution of Richards's equation of water flow by generalized finite differences. 2018 , 101, 168-175	13
735	Numerical Study of Undrained 1D Compression for Unsaturated Soil. 2018 ,	
734	Analysis of the Hydration of an Unsaturated Seal. 2018 ,	

733	Shear Strength Prediction of Compacted Silty Sand at Peak/Critical State Failure over Wider Suction Range. 2018,	
732	Material Microstructure Effects in Thermo-Hydro-Mechanical Modelling of Bentonite. 2018,	1
731	Influence of Confining Stress on the Small Strain Stiffness of a Residual Soil under K 0 Conditions. 2018,	1
730	Numerical Simulation of Moisture Fluctuations in Unsaturated Expansive Clay, Heave/Settlement Predictions, and Validation with Field Measurements. 2018,	2
729	A Mechanical Framework for Modelling Soil Compaction. 2018,	
728	Shear Strength Properties and Collapse Response of a Sandy Silt under Generalized Stress States. 2018,	0
727	Effects of Suction Path on Water Retention and Volumetric Behavior of Loess at High Suctions. 2018,	
726	Comparative Study on the Stress-Dilatancy of Xinjiang Loess Under Saturated and Unsaturated Conditions. 2018, 95-101	
725	Mechanical Behavior of Unsaturated Masado Under Constant-Degree-of-Saturation Condition. 2018, 30-38	
724	BBM-Type Constitutive Model for Coupled Chemomechanical Behavior of Saturated Soils. 2018, 18, 06018023	4
723	Calibration of Plasticity-Based Safety Factors for Rainfall-Induced Landslides. 2018,	
722	Unsaturated elasto-plastic constitutive equations for compacted kaolin under consolidated drained and shearing-infiltration conditions. 2018, 58, 534-546	5
721	A hierarchical thermo-hydro-plastic constitutive model for unsaturated soils and its numerical implementation. 2018, 42, 1785-1805	12
720	Limit Deformation Analysis of Unsaturated Expansive Soils During Wetting and Drying Cycles. 2018, 55, 33-39	6
719	Integral equation formulation of the displacement vector for unsaturated expansive soils by boundary element method. 2018, 3, 1	1
718	Monitoring of a Full-Scale Embankment Experiment Regarding Soil-Vegetation-Atmosphere Interactions. 2018, 10, 688	9
717	Simple Method for Prediction of the Soil Collapse Behavior due to Wetting. 2018, 18, 06018026	8
716	Compacted Unsaturated Soil Behavior in a Large Scale Laboratory Test. 2018,	

715	A 3D Numerical Approach to Assess the Temporal Evolution of Settlement Damage to Buildings on Cavities Subject to Weathering. 2018 , 51, 2839-2862		6
714	Numerical modelling of hydro-mechanical behaviour of ground settlement due to rising water table in loess. 2018 , 94, 241-260		7
713	Long term cyclic behavior of unsaturated granular soils. 2018 , 17, 48-55		14
712	A Simplified Approach to Determine the Response of Unsaturated Soils Using Multistage Triaxial Test. 2018 ,		6
711	Use of Nano-Level Constitutive Model to Predict the Volume Change Behavior of the Treated Expansive Clays. 2018 ,		1
710	Measurement of Moisture and Temperature Profiles in Different Layers of Soil. 2018 ,		0
709	Compaction and Volume Change Behavior of Embankment Soil. 2018 ,		
708	Design, Construction, Monitoring and Modelling of Albagħ Earth Dam: A Case History. 2019 , 17, 501-513		2
707	A numerical inspection on the squeezing test in active clays. <i>Geotechnique</i> , 2019 , 69, 329-343	3-4	2
706	Prediction of Wetting-Induced Swelling Using Effective Stress in an Unsaturated Kaolin. 2019 , 43, 59-67		4
705	Modeling of chemo-hydromechanical behavior of unsaturated porous media: a nonlocal approach based on integral equations. 2019 , 14, 727-747		17
704	Stress State Variables for Unsaturated Soils—Consensus and Controversy. 2019 , 79-89		2
703	Implication of end restraint in triaxial tests on the derivation of stress–dilatancy rule for soils having high compressibility. 2019 , 56, 840-851		5
702	A simple framework for describing strength of saturated frozen soils as multi-phase coupled system. <i>Geotechnique</i> , 2019 , 69, 659-671	3-4	11
701	Review of the Relevant Research Progress. 2019 , 7-29		
700	Modelling effects of recent suction history on small-strain stiffness of unsaturated soil. 2019 , 56, 600-610		4
699	Chemo-mechanical coupling constitutive model for chalk considering chalk–fluid physicochemical interaction. <i>Geotechnique</i> , 2019 , 69, 308-319	3-4	6
698	Multi-physics Coupling Analysis of Clayey Core Wall of High Earth-Rockfill Dam. 2019 ,		

697	An elasto-plastic model of unsaturated soil with an explicit degree of saturation-dependent CSL. 2019 , 260, 105240	8
696	A bounding surface model for unsaturated compacted bentonite. 2019 , 1-15	1
695	Experience in study of constitutive relationship of unsaturated soils. 2019 , 242, 062009	
694	Thermo-Hydro-Mechanical Model for Unsaturated Clay Soils Based on Granular Solid Hydrodynamics Theory. 2019 , 19, 04019115	14
693	Fault Stability Perturbation by Thermal Pressurization and Stress Transfer Around a Deep Geological Repository in a Clay Formation. 2019 , 124, 8506-8518	15
692	Coupled effects of matric suction and temperature on the compression behaviour of loess. 2019 , 1-7	0
691	Mathematical interpretation of delayed instability in viscous unsaturated soil. 2019 , 9, 165-172	2
690	Simple Approaches for Modeling Hysteretic Soil Water Retention Behavior. 2019 , 145, 04019064	8
689	Stress-dilatancy behaviour of bubbled fine-grained sediments. 2019 , 260, 105196	16
688	Numerical simulation of wetting-induced collapse in partially saturated granular soils. 2019 , 21, 1	8
687	A thermodynamic constitutive model with temperature effect based on particle rearrangement for geomaterials. 2019 , 139, 103180	46
686	Constitutive modelling hydro-mechanical behavior of unsaturated loess with a loss of structure. 2019 , 7, 410-417	
685	Volume change behavior of saturated compacted GMZ bentonite and slurry during cyclic loading-unloading processes. 2019 , 7, 244-249	1
684	Influence of pore water salinity on the compressibility of Maryland clay. 2019 , 7, 680-685	
683	Shock Phenomena in Granular and Porous Materials. 2019 ,	2
682	Wetting-drying effect on response of footing resting on partially saturated soils. 2019 , 1-13	2
681	Magnetic measurement system of sandy gravel specimens shape during tests in a large triaxial apparatus. 2019 , 92, 02004	0
680	Calibration of a double structure constitutive model for unsaturated compacted soils. 2019 , 92, 15002	1

679	A volumetric yield surface for compacted soils based on constant water content testing. 2019 , 92, 15008	1
678	Rapid drawdown on earth dam stability after a strong earthquake. 2019 , 116, 103187	11
677	An integrated conceptual approach for the monitoring and modelling of geo-structures subjected to climatic loading. 2019 , 114, 102798	
676	Interrelationship between Elastic Deformation and Soil-Water Characteristic Curve of Expansive Soils. 2019 , 145, 04019005	17
675	Geotechnical Fundamentals for Addressing New World Challenges. 2019 ,	6
674	Emerging Thermal Issues in Geotechnical Engineering. 2019 , 275-317	11
673	Fundamental Challenges in Unsaturated Soil Mechanics. 2019 , 209-236	7
672	The difficult challenge of modelling the non-linear elastic behaviour of soils within a theoretically sound framework. 2019 , 43, 1978-1994	2
671	Investigation on unsaturated critical state and Hvorslev surface of compacted bentonite under high suction conditions. 2019 , 259, 105204	5
670	Cyclic behaviour of coarse-grained materials exposed to freeze-thaw cycles: Experimental evidence and evolution model. 2019 , 167, 102815	7
669	Permafrost Analysis Methodology (PAM) for Ceramic Shell Deformation in the Firing Process. 2019 , 13, 953-968	3
668	Linking Soil Water Adsorption to Geotechnical Engineering Properties. 2019 , 93-139	4
667	Extension of unsaturated soil mechanics and its applications. 2019 , 6, 156-176	1
666	A multi-objective optimization of initial conditions in a radioactive waste repository by numerical thermo-hydro-mechanical modeling. 2019 , 114, 103106	5
665	Modelling of Coupled Shrinkage and Creep in Multiphase Formulations for Hardening Concrete. 2019 , 12,	4
664	Wetting-induced collapse behavior associated with infiltration: A case study. 2019 , 258, 105146	11
663	Micro-scale investigation of unsaturated sand in mini-triaxial shearing using X-ray CT. 2019 , 9, 269-277	4
662	A DEM investigation of water-bridged granular materials at the critical state. 2019 , 6, 637-655	4

661	Enhancing Constitutive Models for Soils: Adding the Capability to Model Nonlinear Small Strain in Shear. 2019 , 2019, 1-11	2
660	A Critical Evaluation of the Suction and Swelling Characteristics of SandBentoniteCoal Ash Mixes. 2019 , 37, 4229-4249	4
659	A constitutive model of expansive clay considering thermo-hydro-mechanical coupling effect. 2019 , 78, 1	4
658	Numerical Simulation of Geosynthetic Clay Liner Desiccation under High Thermal Gradients and Low Overburden Stress. 2019 , 19, 04019069	15
657	Earthen Dwellings and Structures. 2019 ,	8
656	Hygrothermal and Hydromechanical Behaviours of Unstabilized Compacted Earth. 2019 , 457-466	
655	Estimation of unsaturated shear strength from soilWater characteristic curve. 2019 , 14, 1977-1990	39
654	A coupled hydromechanical bounding surface model predicting the hysteretic behaviour of unsaturated soils. 2019 , 110, 287-295	6
653	Tensile strength of clayey soil and the strain analysis based on image processing techniques. 2019 , 253, 137-148	34
652	A Bounding Surface Based Constitutive Model for Unsaturated Granular Soils. 2019 ,	0
651	Constitutive elasto-plastic model for fine soils in the unsaturated to saturated saturation zone. 2019 , 111, 10-21	3
650	It is Time to Use Unsaturated Soil Mechanics in Routine Geotechnical Engineering Practice. 2019 , 145, 02519001	12
649	Seepage Characteristics and Its Control Mechanism of Rock Mass in High-Steep Slopes. 2019 , 7, 71	2
648	A unified critical state model for geomaterials with an application to tunnelling. 2019 , 11, 464-480	6
647	Finite element implementation of a fully coupled hydro-mechanical model and unsaturated soil analysis under hydraulic and mechanical loads. 2019 , 110, 222-241	13
646	Linkage between swelling pressure, total suction of saturated bentonites and suction of saturating aqueous solutions. 2019 , 171, 82-91	1
645	Modelling virgin compression line of compacted unsaturated soils. 2019 , 14, 1991-2006	6
644	Three-dimensional finite element analyses of ground settlement and structural damage caused by irrigation of desert landscapes overlying collapsible soil strata. 2019 , 1-13	2

643	Development of a multiphysics numerical solver for modeling the behavior of clay-based engineered barriers. 2019 , 51, 1047-1059		7
642	A new water retention model that considers pore non-uniformity and evolution of pore size distribution. 2019 , 78, 5055-5065		10
641	Development of a void ratio-moisture ratio-net stress framework for the prediction of the volumetric behavior of unsaturated granular materials. 2019 , 59, 443-457		7
640	Tests on mechanical behavior of unsaturated decomposed granite and its modelling considering finite deformation. 2019 , 59, 253-270		1
639	Modelling the effects of test conditions on the measured swelling pressure of compacted bentonite. 2019 , 59, 136-150		10
638	Prediction of lateral swelling pressure behind retaining structure with expansive soil as backfill. 2019 , 59, 176-195		9
637	Collapse settlement of unsaturated soil from effective stress and shear strength interaction of soil. 2019 , 527, 012020		
636	Simulation of swelling pressure evolution during infiltration in a bentonite block-pellet laboratory scale test. 2019 , 7, 323-330		1
635	Artificial modelling of unsaturated tests considering the suction control on porous collapsible clay. 2019 , 1386, 012116		
634	SWCC of crushed bentonite under high suction ranges. 2019 , 7, 168-173		
633	Unsaturated shear strength of soil with bimodal soil-water characteristic curve. <i>Geotechnique</i> , 2019 , 69, 828-832	3-4	15
632	Carbon Geological Storage. 2019 , 383-407		1
631	A peridynamics model for strain localization analysis of geomaterials. 2019 , 43, 77-96		21
630	Hydromechanical behaviour of overconsolidated unsaturated soil in undrained conditions. 2019 , 56, 1609-16218		
629	Modelling of Soil Behaviour with Hypoplasticity. 2019 ,		18
628	Small-strain shear stiffness of compacted bentonites for engineered barrier system. 2019 , 18, 1-12		9
627	Advanced Modelling Approaches. 2019 , 119-189		
626	Mechanical behavior of an unsaturated clayey silt: an experimental and constitutive modelling study. 2019 , 56, 1461-1474		6

625	Multiscale modeling of unsaturated granular materials based on thermodynamic principles. 2019 , 31, 341-359	9
624	Can degree of saturation decrease during constant suction compression of an unsaturated soil?. 2019 , 106, 199-204	9
623	Fully coupled hydromechanical model for compacted soils. 2019 , 347, 1-18	3
622	A unified constitutive model for unsaturated soil under monotonic and cyclic loading. 2019 , 14, 313-328	16
621	Geotechnical characterization and collapsibility of a natural dispersive loess. 2019 , 250, 89-100	23
620	Characterisation of the water content distribution beneath building foundations. 2019 , 136, 82-92	4
619	Isotropic volumetric behaviour of compacted unsaturated soils within specific volume, specific water volume, mean net stress (v , v_w , p) space. 2019 , 56, 1756-1778	6
618	Testing and Constitutive Modeling of Lime-Stabilized Collapsible Loess. I: Experimental Investigations. 2019 , 19, 04019006	24
617	Coupled hydromechanical (H-M) performance of in situ shaft sealing components for nuclear waste disposal. 2019 , 56, 1638-1649	3
616	Load displacement analysis of a single pile in an unsaturated expansive soil. 2019 , 106, 83-98	10
615	Review of the state of the art: interactions between a buried pipeline and frozen soil. 2019 , 157, 171-186	32
614	On the mechanism of plastic shrinkage cracking in fresh cementitious materials. 2019 , 115, 251-263	22
613	Modeling of the swelling/shrinkage behavior of expansive clays during wetting/drying cycles. 2019 , 14, 1325-1335	13
612	Axial force/displacement behaviour of a buried pipeline in saturated and unsaturated sand. <i>Geotechnique</i> , 2019 , 69, 986-1003	3-4 5
611	An elastoplastic mechanical constitutive model for microbially mediated cemented soils. 2019 , 14, 709-726	21
610	A new approach to interpret the mechanical behaviour of unsaturated soil using effective stress and degree of saturation. 2019 , 23, 1106-1124	3
609	Determination of the presence of microstructure in a soil using a seismic dilatometer. 2019 , 78, 1709-1725	2
608	Application of a generalised plasticity model in high earth core dam static and dynamic analysis. 2020 , 24, 979-1012	2

607	Critical state behaviour of an unsaturated clayey sand along constant water content direct shear and triaxial loading conditions. 2020 , 14, 286-294	4
606	Tensile and shear failure behaviour of compacted clay [hybrid failure mode. 2020 , 14, 231-241	5
605	Hydromechanical behaviour of a marl on controlled suction oedometer path. 2020 , 24, 500-519	1
604	Finite element modelling of the mechanical behaviour of unsaturated expansive soils subjected to wetting and drying cycles with shakedown concept. 2020 , 24, 17-33	3
603	Modelling engineered barriers for spent nuclear fuel repository using a double-structure model for pellets. 2020 , 7, 72-94	3
602	Sensitivity of bentonite swelling to pore water activity. 2020 , 7, 32-41	0
601	Assessment of a high-level spent nuclear fuel disposal model. 2020 , 7, 42-58	5
600	Thermo-elasto-plastic analysis of geosynthetic clay liners exposed to thermal dehydration. 2020 , 7, 566-580	6
599	Hydro-mechanical constitutive model for overconsolidated unsaturated soils. 2020 , 24, 1802-1820	2
598	Change in pore-size distribution of collapsible loess due to loading and inundating. 2020 , 15, 1081-1094	23
597	Coupling elasto-plastic behaviour of unsaturated soils with piecewise linear large-strain consolidation. <i>Geotechnique</i> , 2020 , 70, 518-537	3-4 4
596	The compression and collapse behaviour of intact loess in suction-monitored triaxial apparatus. 2020 , 15, 529-548	6
595	Effect of microstructure on shear strength and dilatancy of unsaturated loess at high suctions. 2020 , 57, 221-235	18
594	Second ISSMGE R. Kerry Rowe Lecture: On the intrinsic, state, and fabric parameters of active clays for contaminant control. 2020 , 57, 311-336	9
593	Applications of the new thermo-hydro-mechanical-chemical coupled code [thebes] 2020 , 7, 3-16	3
592	Thermal effects on water retention behaviour of unsaturated collapsible loess. 2020 , 20, 756-762	4
591	Evaluation and improvement of macroscopic yield criteria of porous media having a Drucker-Prager matrix. 2020 , 126, 102609	17
590	Elastoplastic damage seepage-consolidation coupled model of unsaturated undisturbed loess and its application. 2020 , 15, 1637-1653	2

589	Suction Stress of Clay Over a Wide Range of Saturation. 2020 , 38, 283-296		14
588	Creep and consolidation of a stiff clay under saturated and unsaturated conditions. 2020 , 57, 728-741		5
587	Effects of NaCl solution on the swelling and shrinkage behavior of compacted bentonite under one-dimensional conditions. 2020 , 79, 399-410		17
586	Modelling the long-term hydro-mechanical behaviour of a bentonite pellet/powder mixture with consideration of initial structural heterogeneities. <i>Geotechnique</i> , 2020 , 70, 563-580	3-4	7
585	Adhesion-force micro-scale study of desiccating granular material. <i>Geotechnique</i> , 2020 , 70, 1133-1144	3-4	4
584	A Bounding Surface Plasticity Model Considering Spacing Ratio for Overconsolidated Jointed Soft Rocks. 2020 , 53, 59-69		6
583	Centrifuge model study on settlement of strip footing subject to rising water table in loess. 2020 , 57, 992-1005		3
582	Influence of Backfill Soil Saturation on the Structural Response of Buried Pipes. 2020 , 7, 156-174		4
581	Work conjugate stress and strain variables for unsaturated frozen soils. 2020 , 582, 124537		5
580	Experimental study of hydromechanical behaviour of a compacted lateritic sandy lean clay. 2020 , 57, 1695-1703		4
579	A thermodynamic model to simulate the thermo-mechanical behavior of fine-grained gassy soil. 2020 , 79, 2325-2339		2
578	An advanced UH model for unsaturated soils. 2020 , 15, 145-164		7
577	Copper canister shearing in spent nuclear fuel repository using BodnerBartom model. 2020 , 22, 100171		
576	Unified Effective Stress Equation for Soil. 2020 , 146, 04019135		19
575	Role of Gradation Curve in Description of Mechanical Behavior of Unsaturated Soils. 2020 , 20, 04019159		3
574	Suction-controlled multistage triaxial testing on clayey silty soil. 2020 , 265, 105409		7
573	Measurement and modelling of stress-dependent water permeability of collapsible loess in China. 2020 , 266, 105393		11
572	Hydraulic fracturing effect on punching-induced cover-collapse sinkholes: a case study in Guangzhou, China. 2020 , 13, 1		2

571	Simulating Undrained Tests on Unsaturated Soils. 2020 , 20, 04019165	1
570	Influence of Clay Anisotropy on Model Simulations of Wetting Collapse. 2020 , 146, 04019130	2
569	A plasticity constitutive model for unsaturated, anisotropic, nonexpansive soils. 2020 , 44, 435-454	6
568	A generalised constitutive model for unsaturated compacted soils considering wetting/drying cycles and environmentally-stabilised line. 2020 , 118, 103332	7
567	Atmosphere-soil-structure interaction: Isolated building foundation movements induced by environmental loads. 2020 , 119, 103356	1
566	A triple porosity hydro-mechanical model for MX-80 bentonite pellet mixtures. 2020 , 265, 105311	7
565	Simplified Model to Predict Features of Soil Water Retention Curve Accounting for Stress State Conditions. 2020 , 20, 04019191	6
564	Experimental Study on Viscoplastic Property of Unsaturated Reticulate Red Clay Used as an Engineered Barrier. 2020 , 2020, 1-13	3
563	Ultimate Bearing Capacity of Strip Foundations in Unsaturated Soils considering the Intermediate Principal Stress Effect. 2020 , 2020, 1-14	0
562	Microstructure and soil-water retention behavior of compacted and intact silt loess. 2020 , 277, 105814	2
561	Triaxial test on water absorption compression of unsaturated soil and its soil-water-air-coupled elastoplastic finite deformation analysis. 2020 , 60, 1151-1170	2
560	On the peridynamic effective force state and multiphase constitutive correspondence principle. 2020 , 145, 104161	7
559	Characterization and constitutive modeling of red clay contaminated with ammonium carbonate. 2020 , 44, 2329-2357	3
558	Modelling the behaviour of bentonite pellet-powder mixtures upon hydration from dry granular state to saturated homogeneous state. 2020 , 278, 105847	8
557	Formulation of a constitutive model for three-phase porous materials and the skeleton stress. 2020 , 60, 1001-1010	
556	Laboratory investigation on gas permeability of compacted GMZ bentonite under a coupled hydraulic-mechanical effect. 2020 , 276, 105761	14
555	Modified State Surface Approach to Study Unsaturated Soil Hysteresis Behavior. 2020 , 2674, 484-498	2
554	Coupled hydro-mechanical analysis of expansive soils: Parametric identification and calibration. 2020 , 12, 620-629	1

553	Modified Hierarchical Single-Surface Model for Unsaturated Soils. 2020 , 20, 04020167	1
552	Elasto-Plastic modelling of the behaviour of non - active clays under chemo-mechanical actions. 2020 , 205, 04011	
551	Impact of non-linear elastic behavior on bentonite density evolution at the FEBEX. 2020 , 136, 104538	3
550	Development of a THMC code for bentonites in COMSOL Multiphysics. 2020 , 195, 04002	
549	Numerical investigation of coupled thermal-hydro-mechanical behavior of bentonite with joint in high-level radioactive waste disposal. 2020 , 570, 062023	
548	Hydro-mechanical behaviour of a sandy silt from a river embankment. 2020 , 195, 01033	
547	Long-term analysis of the shrinkage and swelling of clayey soils in a climate change context by numerical modelling and field monitoring. 2020 , 127, 103763	3
546	Probabilistic Analysis of Dams Built with Collapsible Material. 2020 , 20, 04020180	
545	Dynamic Compaction of Clays: Numerical Study Based on the Mechanics of Unsaturated Soils. 2020 , 20, 04020195	10
544	Swelling Pressures and Hydration Times in a Clay Seal. 2020 , 1-12	0
543	The effects of suction history on the cyclic behavior of unsaturated road base filling materials. 2020 , 276, 105775	5
542	Numerical simulation of a water infiltration test on a proposed backfill material in nuclear waste repositories. 2020 , 195, 04001	
541	Modeling the Hydro-Mechanical Coupling Behavior of Unsaturated Geotechnical Materials Based on Non-Equilibrium Thermodynamic Theory. 2020 , 10, 5668	0
540	Gas transport in granular compacted bentonite: coupled hydro-mechanical interactions and microstructural features. 2020 , 195, 04008	1
539	Modelling Unsaturated Soil Response Beyond Residual Suction State via Vapor-Pressure Controlled Triaxial Testing. 2020 , 195, 03029	
538	Introductory Chapter: Geotechnical Engineering in a Broad Perspective - New Advances in Emerging Fields. 2020 ,	
537	Evolution of the soil water retention curve based on plastic volumetric strain. 2020 , 195, 02016	
536	Numerical Simulation of Predicting the Shaft Capacity of Single Pile in Unsaturated Soil. 2020 , 901, 012004	

535	Yielding of a quartz sand from saturated to dry state. 2020 , 195, 03038	
534	Practical method to estimate parameters of elasto-plastic constitutive model for unsaturated soils from compaction curve. 2020 , 60, 1287-1298	1
533	The stress-strain behaviour and critical state parameters of an unsaturated granular fill material under different suctions. 2020 , 15, 3383-3398	8
532	Influence of external stress and initial density on the volumetric behavior of an expansive clay during wetting. 2020 , 79, 1	5
531	Investigating the Effect of Geocell Changes on Slope Stability in Unsaturated Soil. 2020 , 14, 66-75	2
530	Elastoplastic Two-Surface Model for Unsaturated Cohesive Soils under Cyclic Loading. 2020 , 20, 04020122	3
529	Hydro-chemo-mechanical modelling of long-term evolution of bentonite swelling. 2020 , 195, 105717	5
528	Chapter 8 Swelling and shrinking soils. 2020 , 29, 223-242	3
527	Spatially distributed landslide triggering analyses accounting for coupled infiltration and volume change. 2020 , 17, 2811-2824	1
526	Evolution of isochoric water retention curve with void ratio. 2020 , 122, 103536	6
525	3D Elastoplastic Model for Fine-Grained Gassy Soil Considering the Gas-Dependent Yield Surface Shape and Stress-Dilatancy. 2020 , 146, 04020037	29
524	Railway ballast anisotropy testing via true triaxial apparatus. 2020 , 23, 100355	3
523	Unsaturated Soil Mechanics: Fundamental Challenges, Breakthroughs, and Opportunities. 2020 , 146, 02520001	19
522	Effect of clay minerals on the suction stress of unsaturated soils. 2020 , 269, 105571	5
521	Analysis of Cylindrical Cavity Expansion in Partially Saturated Soils. 2020 ,	1
520	Compression and wetting induced volumetric behavior of loess: Macro- and micro-investigations. 2020 , 23, 100345	23
519	Discussion of Numerical Simulation of the Shear Behavior of Rock Joints Filled with Unsaturated Soil by Libin Gong, Jan Nemcik, and Ting Ren. 2020 , 20, 07020002	
518	Elastoplastic Model and Three-Dimensional Method for Unsaturated Soils. 2020 , 2020, 1-13	

517	Stability Analysis of Expansive Soil Slope Considering Seepage Softening and Moistening Expansion Deformation. 2020 , 12, 1678	4
516	Constitutive modelling of state-dependent behaviour of unsaturated soils: an overview. 2020 , 15, 2705-2725	8
515	A bounding surface mechanical model for unsaturated cemented soils under isotropic stresses. 2020 , 125, 103673	6
514	Numerical analysis of coupled thermo-hydro-mechanical behavior in single- and multi-layer repository concepts for high-level radioactive waste disposal. 2020 , 103, 103452	3
513	From double to triple porosity modelling of bentonite pellet mixtures. 2020 , 274, 105714	6
512	Effect of Aging Time on Consistency Limits of Bentonites. 2020 , 38, 3737-3749	2
511	Using Modified State Surface Approach to Study the Hydro-Mechanical Behavior of Unsaturated Soils. 2020 ,	2
510	One-dimensional consolidation of soil under multistage load based on continuous drainage boundary. 2020 , 44, 1170-1183	12
509	A parallelization strategy for hydro-mechanically coupled mechanized tunneling simulations. 2020 , 120, 103378	4
508	A method for extending a general constitutive model to consider the electro-chemo-mechanical phenomena of mineral crystals in expansive soils. 2020 , 44, 749-771	6
507	Elastoplastic solutions for cylindrical cavity expansion in unsaturated soils. 2020 , 123, 103569	4
506	Collapse behavior of unsaturated remolded granitic residual soil. 2020 , 79, 3857-3868	2
505	Effect of Hysteresis on the Critical State Behavior of an Unsaturated Silty Soil. 2020 , 20, 04020070	3
504	Influence of initial water content on unsaturated shear strength of compacted GaoMiaoZi (GMZ) bentonite. 2021 , 58, 142-146	1
503	Consolidation of hard rock tailings under positive and negative pore-water pressures: testing procedures and experimental results. 2021 , 58, 49-65	2
502	A thermodynamically consistent framework for visco-elasto-plastic creep and anisotropic damage in saturated frozen soils. 2021 , 33, 53-68	0
501	A generalized water retention model with soil fabric evolution. 2021 , 25, 100205	5
500	Direct Application of the Soil-Water Characteristic Curve to Estimate the Shear Modulus of Unsaturated Soils. 2021 , 21, 04020243	2

499	Experimental study and constitutive modeling of volume change behavior in unsaturated soils. 2021 , 80, 679-689	2
498	Constitutive modelling of partially saturated soils: Hydro-mechanical coupling in a generic thermodynamics-based formulation. 2021 , 136, 102821	3
497	Fully coupled global equations for hydro-mechanical analysis of unsaturated soils. 2021 , 67, 107-125	0
496	Development of water sensitivity index of loess from its mechanical properties. 2021 , 280, 105918	7
495	Expansion responses of a cylindrical cavity in overconsolidated unsaturated soils: A semi-analytical elastoplastic solution. 2021 , 130, 103922	16
494	Plastic shrinkage of mortars cured with a paraffin-based compound [Bimodal neutron/X-ray tomography study. 2021 , 140, 106289	4
493	Problem of Uncertainties in Geotechnical Engineering. 2021 , 1-38	1
492	Molecular dynamics data for modelling the microstructural behaviour of compacted sodium bentonites. 2021 , 201, 105932	2
491	Modelling rainfall-induced landslides from initiation of instability to post-failure. 2021 , 129, 103877	8
490	Evaluation of the road failure using resistivity and screw driving sounding testing techniques: A case study in Ang Thong province, Thailand. 2021 , 121, 105171	3
489	Estimation of stress and stress-induced permeability change in a geological nuclear waste repository in a thermo-hydrologically coupled simulation. 2021 , 129, 103866	2
488	Comprehensive review of geomechanical constitutive models of gas hydrate-bearing sediments. 2021 , 88, 103755	8
487	Suitability of swelling and collapse theory proposed based on virgin compression surface. 2021 , 61, 113-128	0
486	Water infiltration in a cracked soil considering effect of drying-wetting cycles. 2021 , 593, 125640	16
485	Mesoscale analysis of the suction stress characteristic curve for unsaturated granular materials. 2021 , 56, 183-192	1
484	Pre-failure behaviour of reconstituted peats in triaxial compression. 2021 , 16, 789-805	2
483	Prediction of coupled hydromechanical behavior of unsaturated soils based on seasonal variations in hydrologic conditions. 2021 , 58, 902-913	2
482	Experimental Study on Mechanical Behavior of Unsaturated Silty Sand in Constant Equivalent Granular Void Ratio. 2021 , 39, 735-750	0

481	A microstructural perspective on soil collapse. <i>Geotechnique</i> , 2021 , 71, 132-140	3-4	1
480	Hydro-mechanical analysis of a surficial landslide triggered by artificial rainfall: the Ruedlingen field experiment. <i>Geotechnique</i> , 2021 , 71, 96-109	3-4	10
479	The unsaturated shear strength of calcareous soil in comparison with silicate soil. 2021 , 39, 200-218		2
478	Experimental Investigation and Numerical Modeling of Coupled Elastoplastic Damage and Permeability of Saturated Hard Rock. 2021 , 54, 1151-1169		2
477	HM and THM interactions in bentonite engineered barriers for nuclear waste disposal. 2021 , 137, 104572		5
476	Pile behavior modeling in unsaturated expansive soils. 2021 , 393-427		2
475	Coupled Thermo-Hydro-Mechanical Finite Element Simulation of Loess Slope Under Atmospheric Boundary Conditions. 2021 , 244-255		
474	Modelling stress-induced anisotropy in multi-phase granular soils. 2021 , 67, 497-521		6
473	An Elasto-Plastic Framework for the Chemo-Mechanical Behavior of Low to Medium Activity Clays. 2021 , 648-655		
472	A constitutive model for hydromechanically coupled behavior of unsaturated soils with hydraulic hysteresis. 2021 , 337, 02009		
471	Numerical modeling of unsaturated soil behavior considering different constitutive models. 2021 , 337, 02007		
470	Loading rate effect on mechanical properties of an unsaturated silty sand. 2021 , 337, 01018		
469	Examining the predictive capabilities of a bounding surface plasticity-based hyperelastic constitutive model for unsaturated granular soils. 2021 , 337, 02005		
468	Swelling pressure of a sodium bentonite in solutions of different suction. 2021 , 337, 01007		
467	A Thermodynamics-Based Formulation for Coupled Hydro-Mechanical Behaviour of Unsaturated Soils. 2021 , 531-538		
466	Numerical modeling of two-phase flow in deformable porous media: application to CO ₂ injection analysis in the Otway Basin, Australia. 2021 , 80, 1		
465	Impact of the loading rate on the unsaturated mechanical behavior of compacted red clay used as an engineered barrier. 2021 , 80, 1		3
464	A constitutive model for the accumulated strain of unsaturated soil under high-cycle traffic loading. 2021 , 45, 990-1004		4

463	Pressuremeter test in unsaturated soils: a numerical study. 2021 , 3, 1	
462	A prediction model for the loading-wetting volumetric behavior of unsaturated granular materials. 2021 , 61, 623-623	1
461	A finite element method based on modified Alonso unsaturated soil constitutive model. 2021 , 692, 042034	1
460	Consistent Three-Dimensional Elasto-Plastic Model to Study Unsaturated Soil Behavior with Considerations of Coupled Hydro-Mechanical Hysteresis. 036119812110022	1
459	Centrifuge modelling of rainfall-induced slope failure in variably saturated soil. 2021 , 16, 2899-2916	10
458	Numerical Prediction of the Large-Scale in Situ PRACLAY Heater Test in the Boom Clay. 2021 , 54, 2197-2218	6
457	Numerical analysis of coupled hydro-mechanical and thermo-hydro-mechanical behaviour in buffer materials at a geological repository for nuclear waste: Simulation of EB experiment at Mont Terri URL and FEBEX at Grimsel test site using Barcelona basic model. 2021 , 139, 104663	2
456	Modelling advective gas flow in compact bentonite: Lessons learnt from different numerical approaches. 2021 , 139, 104580	1
455	Fully coupled thermo-hydro-mechanical model with oversaturation and its validation to experimental data from FEBEX experiment. 2021 , 139, 104567	2
454	A State-Dependent Constitutive Model for Unsaturated Rockfill Materials.	
453	Importance of considering unsaturated triaxial tests including ceramic disk as initial and boundary value problems. 2021 ,	
452	Review of methods for predicting soil volume change induced by shrinkage. 2021 , 6, 1	2
451	Numerical simulation of unstable suction transients in unsaturated soils: the role of wetting collapse. 2021 , 45, 1569-1587	1
450	Settlement of Footings on Compacted and Natural Collapsible Soils upon Loading and Soaking. 2021 , 147, 04021010	3
449	Effects of Structure on the Compression Behavior of Unsaturated Loess. 2021 , 21, 06021007	4
448	Curing conditions impact on compressive strength development in cement stabilized compacted earth. 2021 , 54, 1	1
447	An Extension to Barcelona Basic Model Predicting the Behavior of Unsaturated Soils. 1	1
446	Numerical study of the chemo-mechanical behavior of FEBEX bentonite in nuclear waste disposal based on the Barcelona expansive model. 2021 , 132, 103968	3

445	A Hysteretic Model Considering Contact Angle Hysteresis for Fitting Soil-Water Characteristic Curves. 2021 , 57,	1
444	The Healing Process of the Joints between Buffer Material Blocks and the Influence on Solute Migration. 2021 , 2021, 1-15	
443	Application of the Frozen and Unfrozen Soil model to modelling effects of freeze-thaw on low-volume roads. 2021 , 710, 012067	1
442	Constitutive Model for Describing the Fully Coupled Hydromechanical Behavior of Unsaturated Soils. 2021 , 21, 04021027	4
441	A fully coupled constitutive model for thermo-hydro-mechanical behaviour of unsaturated soils. 2021 , 133, 104032	1
440	Water Retention Characteristics and Soil-Water Characteristic Curve Model of Weak Expansive Soil. 2021 , 58, 123-129	0
439	A hydro-mechanical coupled solution for electro-osmotic consolidation in unsaturated soils considering the decrease in effective voltage with time. 2021 , 133, 104050	1
438	Numerical model of free swelling processes in compacted MX-80 bentonites. 2021 , 141, 104713	2
437	Coupled hydro-mechanical modelling of soil-vegetation-atmosphere interaction in natural clay slopes..	6
436	Unsaturated soil dynamics: Finite element solution including stress-induced anisotropy. 2021 , 133, 104062	8
435	Dilatancy Characteristics and Constitutive Modelling of the Unsaturated Soil Based on Changes in the Mass Water Content. 2021 , 11, 4859	
434	Effect of Matric Suction and Density on Yield Stress, Compression Index and Collapse Potential of Unsaturated Granite Soil. 2021 , 25, 2847-2854	0
433	The Flat Dilatometer Test in an Unsaturated Tropical Soil Site. 2021 , 39, 5957	3
432	Undrained Spherical Cavity Expansion in Unsaturated Soils: Semianalytical Solution Coupling Hydraulic and Mechanical Behaviors. 2021 , 21, 04021070	6
431	Liquid bridge contribution to shear behavior of unsaturated soil: modeling and application to a micromechanics model. 2021 , 16, 2693-2711	2
430	Hydro-mechanical path dependency of claystone/bentonite mixture samples characterized by different initial dry densities. 2021 , 16, 3161-3176	0
429	Evolution of soil-water and shrinkage characteristics of an expansive clay during freeze-thaw and drying-wetting cycles. 2021 , 186, 103275	6
428	Advances in modelling of hydro-mechanical processes in gas migration within saturated bentonite: A state-of-art review. 2021 , 287, 106123	7

427	A Constitutive Model of Sandy Gravel Soil under Large-Sized Loading/Unloading Triaxial Tests. 2021 , 2021, 1-11	
426	A new framework to determine general multimodal soil water characteristic curves. 2021 , 16, 3187-3208	2
425	Modelling of expansive clay interaction with skeleton structures considering the effect of replacement permeability. 2021 , 12, 1399-1406	
424	Evaluation of Structural Strength and Parameters of Collapsible Loess. 2021 , 21, 04021066	2
423	Determination of clay-water contact angle via molecular dynamics and deep-learning enhanced methods. 1	0
422	Hydro-Mechanical Simulations of Unsaturated Soil Slope. 2021 , 51, 861-869	0
421	The Modeling of Laboratory Experiments with COMSOL Multiphysics Using Simplified Hydromechanical Model. 2021 , 11, 754	3
420	Preliminary experimental investigation on the inundating-induced collapse in collapsible soils improved by encased sand column. 1-17	0
419	Nonlinear Model for the Stress-Strain-Strength Behavior of Unsaturated Granular Materials. 2021 , 21,	4
418	?????????????????. 2021 ,	
417	Modeling large deformations in water retention structures with an unsaturated MPM approach. 1-33	3
416	Discovery of Dynamic Two-Phase Flow in Porous Media Using Two-Dimensional Multiphase Lattice Boltzmann Simulation. 2021 , 14, 4044	5
415	Experimental study on the influence of soluble salt content on unsaturated mechanical characteristics of undisturbed Ili loess. 2021 , 80, 6689-6704	3
414	Study on Soil Water and Suction Stress Characteristics for Unsaturated Clay Soil of Airport Engineering Based on Laboratory Tests. 2021 , 2021, 1-8	1
413	Unsaturated structured soils: constitutive modelling and stability analyses. 2021 , 16, 3355	2
412	Polyethylene glycol and membrane processes applied to suction control in geotechnical osmotic testing. 1-20	
411	A unified small-strain shear stiffness model for saturated and unsaturated soils. 2021 , 136, 104241	0
410	Homogenization of bentonite upon saturation: Density and pressure fields. 2021 , 209, 106122	4

409	Variations of suction and suction stress of unsaturated loess due to changes in lignin content and sample preparation method. 2021 , 18, 2168-2183	1
408	A coupled THM finite element formulation for unsaturated soils and a strategy for its nonlinear solution. 2021 , 136, 104221	5
407	A model for freeze-thaw-induced plastic volume changes in saturated clays. 2021 , 61, 1054-1070	1
406	Monitorizaci3n de Variables Ambientales en Cimentaciones Superficiales Monitoring of Environmental Variables in Surface Foundations J.. 2021 , 6, 53	
405	HYDROMECHANICAL BEHAVIOUR OF TWO UNSATURATED SILTS: LABORATORY DATA AND MODEL PREDICTIONS.	
404	Effect evaluation of drainage condition and water content on cyclic plastic deformation of aged ballast and its estimation models. 2021 , 30, 100606	2
403	Effect of drying/wetting cycles on the hydromechanical behaviour of compacted coal gangue. 1-11	1
402	Numerical integration of an elasto-plastic critical state model for soils under unsaturated conditions. 2021 , 137, 104299	1
401	Shallow landslide triggering in unsaturated vegetated slopes: Efficient computation of susceptibility maps. 2021 , 154, 104826	1
400	Numerical and experimental modeling of geomechanical behavior of partially saturated soils. 2021 , 12, 1	
399	Hydromechanical behavior of unsaturated expansive clay under repetitive loading. 2021 , 13, 1136-1146	2
398	Mechanical behavior of frozen soils: Experimental investigation and numerical modeling. 2021 , 138, 104361	3
397	A computational periporomechanics model for localized failure in unsaturated porous media. 2021 , 384, 113932	4
396	Model for predicting the variation of shear stress in unsaturated soils during strain-softening. 2021 , 58, 1513-1526	1
395	Is the Conventional Pore Water Pressure Concept Adequate for Fine-Grained Soils in Geotechnical and Geoenvironmental Engineering?. 2021 , 147, 02521001	0
394	A nonlinear normal consolidation line for bentonite in e-logp space. 2021 , 292, 106267	0
393	A bound water model for numerical simulation of SWCC in the wide suction range based on DDA. 2021 , 139, 104378	2
392	Coupling of chemical and hydromechanical properties in bentonite: A new reactive transport model. 2021 , 214, 106274	0

391	A two-surface plasticity model for clay; numerical implementation and applications to large deformation coupled problems of geomechanics. 2021 , 139, 104405	1
390	An elastoplastic solution for cylindrical cavity expansion under constant water content conditions in anisotropic unsaturated soils. 2021 , 139, 104323	0
389	A fractal hydraulic model for water retention and hydraulic conductivity considering adsorption and capillarity. 2021 , 602, 126763	3
388	Modeling the behavior of compacted bentonites under low porosity conditions. 2021 , 293, 106333	0
387	Coupled hydro-mechanical analysis of compacted bentonite behaviour during hydration. 2021 , 140, 104447	2
386	A novel unified model for volumetric hardening and water retention in unsaturated soils. 2021 , 140, 104446	3
385	Evolution of Unsaturated Shear Strength and Microstructure of a Compacted Silty Clay on Wetting Paths. 2021 , 21,	10
384	An empirical model for predicting the effect of stabilisation on the stress-strain behaviour of compressed earth materials. 2021 , 44, 102980	0
383	The Constitutive Relationship of Rock and Soil and Its Influencing Factors. 2021 , 33-58	
382	OBSERVATION OF COLLAPSE BEHAVIOR OF BENTONITE DURING SWELLING PRESSURE TEST USING X-RAY CT MEASUREMENT. 2021 , 77, 302-313	0
381	Numerical investigation of the performance of engineered barriers in reducing flood risk. 2021 , 337, 04003	1
380	Swelling properties of clays, a major risk factor for the infrastructure projects. 2021 , 342, 02014	
379	A bounding surface model for unsaturated soils considering the microscopic pore structure and interparticle bonding effect due to water menisci. 2021 , 16, 1331-1354	4
378	Interpretation of undrained shear strength observed in confined triaxial compression tests on compacted clay.	
377	Mathematical Modeling of Shear Stress and Direct Shear Test for Compressible Soil: Case of Soil Bordering the Wouri River. 2021 , 09, 385-406	1
376	Conservation Laws for Coupled Hydro-Mechanical Processes in Unsaturated Porous Media. 185-208	2
375	Energy Geostructures in Unsaturated Soils. 157-173	2
374	Analysis of the Expansive Clay Hydration under Low Hydraulic Gradient. 2007 , 309-318	5

373	Independent Roles of the Stress State Variables on VolumeMass Constitutive Relations. 2007 , 37-44	0
372	Water Influence on Mechanical Behaviour of Pavements: Constitutive Modelling. 2009 , 193-216	4
371	Axis Translation and Negative Water Column Techniques for Suction Control. 2008 , 33-48	4
370	Open image in new windowNumerical Modelling of Deformation for Partially Saturated Slopes Subjected to Rainfall. 2014 , 281-285	4
369	Plastic Deformations of Unsaturated Fine-Grained Soils Under Cyclic Thermo-Mechanical Loads. 2017 , 14-28	1
368	Intrinsic and State Parameters Governing the Efficiency of Bentonite Barriers for Contaminant Control. 2017 , 45-56	5
367	Modelling Hydro-Chemo-Mechanical Behaviour of Active Clays Through the Fabric Boundary Surface. 2018 , 1618-1626	3
366	Understanding to Predict. 2009 , 63-88	3
365	Parallel Hybrid Particle Swarm Optimization and Applications in Geotechnical Engineering. 2009 , 466-475	6
364	Finite Element Analysis of the Initiation of Landslides with a Non-isothermal Multiphase Model. 2012 , 123-146	7
363	The Variation of Total Volume Change, Water Volume Change, Yielding Net Confining Stress and Shear Strength of Undisturbed Unsaturated Loess under Isotropic Compression. 2012 , 293-300	3
362	A Refined Approach to Barcelona Basic Model Using the Apparent Tensile Strength Concept. 2012 , 103-110	1
361	Mechanical Modeling of Frozen Soils Incorporating the Effect of Cryogenic Suction and Temperature. 2012 , 159-164	1
360	The Yielding of Unsaturated Granular Materials. 2012 , 23-29	1
359	Settlement Prediction of High Speed Railway Embankments Considering the Accumulation of Wetting and Drying Cycles. 2012 , 291-298	4
358	Numerical Modeling of the In Situ "Praclay Seal Test". Comparison between Model and Measurement. 2012 , 333-341	2
357	Mechanics of Multiphase Porous Media Application to Unsaturated Soils. 2001 , 153-180	1
356	Smearred Crack and X-FEM Models in the Context of Poromechanics. 2011 , 265-327	1

355	Numerical Models for the Design of Shallow Foundations for Low-Rise Buildings. 1998 , 655-664	1
354	Non-Isothermal Flow. 2001 , 131-169	3
353	Modelling of subsidence due to water or hydrocarbon withdrawal from the subsoil. 2001 , 235-301	1
352	Construction and Impoundment of an Earthdam. 1995 , 357-395	2
351	Collapse of Compacted Soil: Girona Road Embankments, Spain. 2010 , 85-127	2
350	Hydro-Mechanical Behaviour of Gassy Soils. 2003 , 145-153	1
349	Experimental Modeling of Unsaturated Intermediate Geomaterials for Sustainable Design of Geotechnical Infrastructure. 2017 , 175-197	1
348	Shear behavior of unsaturated intact and compacted loess: a comparison study. 2020 , 79, 1	4
347	Collapsible Behavior of Lateritic Soil Due to Compacting Conditions. 2020 , 18, 1157-1166	4
346	A constitutive model for a three-phase porous material. 2003 , 1528-1531	2
345	Including degree of capillary saturation into constitutive modelling of unsaturated soils. 2018 , 95, 82-98	41
344	Water retention behaviour of compacted and reconstituted scaly clays. 2020 , 195, 03026	1
343	Un nouveau dispositif pour la caractérisation du retrait et du gonflement des sols argileux. 2016 , 1	1
342	Numerical Modeling of Cone Penetration Test in Unsaturated Sand inside a Calibration Chamber. 2018 , 18, 04017148	7
341	Effects of Drying-Wetting Cycles on the Mechanical Behavior of Reconstituted Granite-Residual Soils. 2020 , 32, 04020199	9
340	A thermodynamically based model for unsaturated soils. 2004 , 121-134	5
339	Hypoplastic model and inverse analysis for simulation of triaxial tests. 2018 , 69-75	2
338	Suction and time effects on the behaviour of a reservoir chalk. 2006 , 519-526	1

337	A stress-strain integration algorithm for unsaturated soil elastoplasticity with automatic error control. 2006 , 113-119	1
336	Behaviour of a footing on a partially saturated soil. 2002 , 451-456	4
335	Retention curves of deformable clays. 2000 , 99-114	1
334	Effect of anisotropy on the prediction of unsaturated soil response under triaxial and oedometric conditions. 2010 , 787-794	8
333	The behaviour of unsaturated soil. 2012 , 117-146	3
332	Coupled phenomena induced by freezing in a granular material. 2013 , 467-473	3
331	Effect of bedrock shape and drainage properties on the stability of slopes. 2014 , 1211-1217	3
330	Effects of intergranular adhesive force on behavior of granular material. 2004 , 347-354	2
329	Modeling field load tests in lateritic unsaturated soil. 2014 , 1495-1500	1
328	Application of limit analysis in unsaturated soils: Numerical and experimental study of bearing capacity. 2014 , 1757-1762	4
327	Modelling wetting collapse behaviour in unsaturated granite residual soil. 2014 , 359-365	1
326	Composite model to reproduce the mechanical behaviour of Methane Hydrate Bearing Sediments. 2016 , 483-489	2
325	Geotechnical characterization and behaviour of Argentinean collapsible loess. 2006 ,	2
324	Effect of suction on volume change and shear behaviour of an overconsolidated unsaturated silty soil. 2012 , 4, 55-65	12
323	The Development of a Suction Control System for a Triaxial Apparatus. 2007 , 30, 100026	4
322	A Rockfill Triaxial Cell with Suction Control. 2009 , 32, 101590	4
321	Matric Suction Measurement in Stress Path Cyclic Triaxial Testing of Unbound Granular Base Materials. 2010 , 33, 102390	4
320	Resonant Column Test for Unsaturated Soils With Suction Saturation Control. 2011 , 34, 103102	4

319	Simple Techniques for the Estimation of Suction in Compacted Soils in the Range of 0 to 60,000 kPa. 2011 , 34, 103324	3
318	A Servo/Suction-Controlled Ring Shear Apparatus for Unsaturated Soils: Development, Performance, and Preliminary Results. 2011 , 34, 103598	1
317	Influence of Hydraulic Hysteresis on the Shear Strength of Unsaturated Soils and Interfaces. 2012 , 35, 103616	4
316	Shear Modulus and Damping Ratio of Unsaturated Kaolin Measured by New Suction-Controlled Cyclic Triaxial Device. 2011 , 34, 103635	4
315	A Method for Testing Tensile Strength in Unsaturated Soils. 2000 , 23, 377	52
314	Modified Triaxial Apparatus for Shearing-Infiltration Test. 2001 , 24, 370	12
313	Mechanical Behavior of an Unsaturated Soil Under Multi-Axial Stress States. 2001 , 24, 14	23
312	Granular Pile Anchor Foundation (GPAF) System for Improving the Engineering Behavior of Expansive Clay Beds. 2004 , 27, 11387	7
311	Collapse Behavior of Compacted Clays in Suction-Controlled Triaxial Tests. 2004 , 27, 11418	14
310	Testing the Hydromechanical Behavior of a Compacted Swelling Soil. 2004 , 27, 11950	2
309	Assessing the Hydro-Mechanical Behavior of Collapsible Soils Using a Modified Triaxial Test Device. 2014 , 37, 20130034	25
308	Triaxial Tests on Compacted Clays for Consolidated-Undrained Conditions. 2014 , 37, 20130202	7
307	A New Triaxial Testing System for Unsaturated Soil Characterization. 2015 , 38, 20140201	17
306	A Modified Osmotic Diaphragmatic Oedometer for Investigating the Hydro-Mechanical Response of Unsaturated Soils. 2016 , 39, 20150142	7
305	Characterization of Compacted Silty Sand Using a Double-Walled Triaxial Cell With Fully Automated Relative-Humidity Control. 2016 , 39, 20150156	16
304	Experimental and Simple Semiempirical Methods for Interpreting the Axial Load Versus Settlement Behaviors of Single Model Piles in Unsaturated Sands. 2018 , 41, 20170152	6
303	Natural slopes and cuts: movement and failure mechanisms. <i>Geotechnique</i> , 2001 , 51, 197-243	3-4 15
302	The influence of partial soil saturation on pile behaviour. <i>Geotechnique</i> , 2003 , 53, 11-25	3-4 11

301	Suction effects on a compacted clay under non-isothermal conditions. <i>Geotechnique</i> , 2003 , 53, 65-81	3-4	8
300	On the collapse behaviour of oil reservoir chalk. <i>Geotechnique</i> , 2001 , 54, 415-420	3-4	2
299	A review of Beliche Dam. <i>Geotechnique</i> , 2005 , 55, 267-285	3-4	14
298	ELASTO-PLASTIC CONSTITUTIVE MODEL FOR UNSATURATED SOIL APPLIED EFFECTIVE DEGREE OF SATURATION AS A PARAMETER EXPRESSING STIFFNESS. 2007 , 63, 1132-1141		5
297	Formulation of Fully Coupled THM Behavior in Unsaturated Soil. 2011 , 27, 75-83		2
296	Coupled thermo-hydro-mechanical process in buffer material and self-healing effects with joints. 2021 , 28, 2905-2918		1
295	Influence of Clay Fraction and Mineral Composition on Unsaturated Characteristics of Cohesive Foundation Soil in Airports. 2021 , 2021, 1-10		1
294	Analysis of key thermal coupled factors in modelling of bentonite barriers. 2021 , 9, 88-93		
293	Characterisation of the chemo-mechanical behaviour of clays polluted by BTEX: a case study of benzene. 2021 , 12,		
292	Interpretation of CPT in unsaturated sands under drained conditions: A numerical study.		
291	A diffusion model for the swelling of compacted Na ⁺ montmorillonite in water. 2021 , 214, 106301		3
290	Soil behaviour in the small and the large strain range under controlled suction conditions. 2000 , 83-98		
289	Collapse tests on isotropic and anisotropic compacted soils. 2000 , 41-54		
288	The DSC for Saturated and Unsaturated Materials. 2000 ,		
287	The role of pore water in the mechanical behavior of unsaturated soils. 2001 , 211-241		3
286	Isothermal Flow. 2001 , 83-130		
285	The strength of unsaturated bentonite-enhanced sand. <i>Geotechnique</i> , 2001 , 51, 767-775	3-4	
284	Effect of Treated Waste Water on the Behavior of Unsaturated Soil. 2003 , 3, 360-369		

- 283 Thermo-hydro-mechanical behaviour of unsaturated bentonite. **2004**, 319-326
- 282 Chemo-mechanical modelling of soil or rock degradation. **2004**, 221-231
- 281 Experimental study on the hydro-mechanical behaviour of a silty clay. **2004**, 15-29
- 280 On the suction and the time dependent behaviour of reservoir chalks of North Sea oilfields. **2004**, 43-54
- 279 Modelling the THM behaviour of unsaturated expansive soils using a double-structure formulation. **2004**, 107-120
- 278 On the suction and the time dependent behaviour of reservoir chalks of North Sea oilfields. **2004**, 55-66
- 277 A thermodynamically based model for unsaturated soils: a new framework for generalized plasticity. **2004**, 133-148
- 276 Modeling the behavior of expansive clays. **2006**, 11-18
- 275 An elasto-plastic cap model for partially saturated soils. **2006**, 79-85
- 274 The laboratory behaviour of a residual tropical soil. **2006**, 1
- 273 A Coupled Chemo-Thermo-Hydro-Mechanical Constitutive Model for Porous Media. **2007**, 1210-1213
- 272 Modelling the effect of temperature on unsaturated swelling clays. **2007**,
- 271 Recompacted, natural and in-situ properties of unsaturated decomposed geomaterials. **2008**,
- 270 Recompacted, natural and in-situ properties of unsaturated decomposed geomaterials. **2008**, 125-146
- 269 An elasto-viscoplastic model for chalk including suction effects. **2008**, 633-639
- 268 The changes in stress regime during wetting of unsaturated compacted clays when laterally confined. **2008**, 377-384
- 267 Modelling the Hydro-Mechanical Behaviour of Highly Expansive Clays. **2008**, 1, 206-216
- 266 Parametric investigations on a three-invariant implicit integration algorithm for unsaturated soils. **2008**, 721-726

265 Loading-collapse tests for investigating compressibility and potential collapsibility of embankment coarse well graded material. **2008**, 967-972

264 An improved constitutive model for unsaturated and saturated soils. **2008**, 581-588

1

263 New basis for constitutive modelling of unsaturated aggregated soil with structure degradation. **2008**, 641-646

262 Stress-strain and water retention characteristics of micro-porous ceramic particles made with burning sludge. **2009**, 355-362

261 Process-oriented numerical simulation of mechanised tunnelling. **2009**, 111-152

260 Bridging gaps. **2011**, 313-342

259 Comparison of the nonlinear elastic and elastoplastic models in THM response of unsaturated soils. **2010**, 1067-1073

258 Gas migration in sand/bentonite mixtures through preferential paths. **2010**, 1353-1359

257 Modelling the unsaturated behaviour of structured soils. **2010**, 939-944

256 Numerical simulation of volume change of a swelling soil in the northeast of Brazil. **2010**, 1025-1028

255 Modeling of unsaturated soil considering the effect of saturation directly. **2010**, 41-45

254 Instability of Unsaturated Soil During the Water Infiltration. **2011**, 293-299

253 Constitutive Model for Unsaturated Soils Based on the Effective Stress. **2011**, 27, 55-69

252 Stability of Highly Overconsolidated Soil Slopes. **2012**, 377-382

251 On Elastoplastic Damage Modelling in Unsaturated Geomaterials. **2012**, 143-149

250 Elastic or Elasto-Plastic: Examination of Certain Strain Increments in the Barcelona Basic Model. **2012**, 85-91

1

249 Yielding Behaviour of an Alluvial Compacted Soil in Saturated and Unsaturated Conditions. **2012**, 265-272

248 Effect of Compaction Water Content on the Drained and Undrained Behaviour of an Unsaturated Kaolin. **2012**, 273-278

1

247 Modelling Volume Change Behaviour for Unsaturated Soils in the Stress Saturation Space. **2012**, 111-118

246 Numerical Study of Canal Lining Behavior in Expansive Soils. **2012**, 307-315

245 Shear strength model for tropical residual soil. **2012**, 185-212

244 Mechanical Constitutive Model for Frozen Soil. **2012**, 28, 85-94

3

243 References. 864-909

242 Landslides and Great Soil Volume Changes Affecting an Urban Area of Barranquilla, Colombia. **2013**, 289-296

241 Two-Phase Mass and Heat Flow Model. **2013**, 61-97

240 New Strain Energy-Based Coupled Elastoplastic Damage-Healing Mechanics Accounting for Matric Suction Effect for Geomaterials. **2013**, 1-24

239 Recent Advances in Experimental Modelling of Unsaturated Soil Behaviour over a Whole Range of Paths and Modes of Deformation. **2013**, 3-20

238 Incorporation of Soil Suction in Stress-Based Slope Stability Analysis. **2013**, 691-699

237 Numerical analysis of unsaturated soil behaviour under large deformations. **2013**, 493-500

236 Measurement of friction on piles over neutral plane in expansive soils. **2013**, 171-176

235 Incorporating a microstructural state variable in constitutive modeling. **2013**, 461-468

234 Hydromechanical Coupling Theory in Unsaturated Geomaterials and Its Numerical Integration. 155-184

233 3D Fully Coupled Multiphase Modeling of Ekofisk Reservoir. 447-456

232 Mechanics of Unsaturated Geomaterials Applied to Nuclear Waste Storage. 279-302

1

231 Instability of Soil Masses. 73-92

230 Numerical Modeling. 243-332

- 229 Subsidence Induced by Fossil Fuel Extraction. 171-199
- 228 Multi-Phase Models in Civil Engineering. **2014**, 113-149
- 227 Modelling Expansive Geomaterials. **1995**, 767-772
- 226 Non Saturated Consolidation under Thermo-Hydro-Mechanical Actions. **1995**, 301-355
- 225 A Two Dimensional Finite Element Consolidation Model for Unsaturated Soil. **1998**, 357-366 0
- 224 A Numerical Code for Computation of Transport Phenomena Coupled with Mechanics in Porous Media. **1998**, 695-706
- 223 Computational Environmental Geomechanics. **1999**, 99-132
- 222 SURFACE SUBSIDENCE MODELS INCLUDING CAPILLARY EFFECTS IN HYDROCARBON RESERVOIRS. **1999**, 53-61
- 221 Evolution of clay fabric and water retention properties along hydromechanical stress paths. **2014**, 971-975 1
- 220 Stochastic modelling of differential settlements of heterogeneous unsaturated foundations. **2014**, 459-465 1
- 219 Strength/volume change behaviour of compacted silty sand using a novel double-walled suction-controlled triaxial system. **2014**, 1727-1733
- 218 Elastoplastic framework for the volumetric behavior of unsaturated soils. **2014**, 323-328
- 217 Numerical simulation of mechanical behavior of a triaxial silty soil under undrained and various controlled air boundary conditions. **2014**, 589-595
- 216 Effective stress and the role of liquid fabric in unsaturated granular soils. **2014**, 863-868
- 215 New Strain-Energy Based Coupled Elastoplastic Damage-Healing Mechanics Accounting for Matrix Suction Effect for Geomaterials. **2015**, 1093-1118
- 214 A Framework to Assess the Controllability of Wetting on Unsaturated Collapsible Soils. **2015**, 311-316
- 213 Thermodynamic Analysis of Instability in Unsaturated Soils. **2015**, 299-304
- 212 Prediction of Inundation Settlement Using Rotational Multiple Yield Surface Framework in Unsaturated Granite Residual Soil. **2015**, 447-458

- 211 Coupling Effects in Rainfall-induced Slope Stability Considering Hydro-mechanical Model. **2015**, 31, 5-15 1
- 210 Investigation on swelling-shrinkage behavior of compacted expansive soils during wetting-drying cycles. **2015**, 235-240
- 209 Cam-clay model applicable to unsaturated clayey sand. **2015**, 507-510
- 208 Some remarks on the mechanical yielding of unsaturated soils. **2015**, 197-203
- 207 Consolidation behavior of unsaturated Chuanxi compacted soil with soil suction control oedometer. **2015**, 263-266
- 206 Air-coupled effects on triaxial behavior of silty specimens under a constant confining pressure and various exhausted conditions. **2016**, 2, 435-439
- 205 Prediction of Stress-Strain Response for Malaysian Granitic Residual Soil (Grade VI) in a Range of Effective Stresses, According to Rotational Multiple Yield Surface Framework. **2016**, 389-401
- 204 Constitutive Equations of Soils. **2017**, 317-394
- 203 Evaluation of the Instantaneous Profile Method for the Determination of the Relative Permeability Function. **2017**, 181-188
- 202 A Study on Unsaturated Dynamic Constitutive Model Under Cyclic Loading for Western Sichuan Talus Mixed Soil. **2018**, 291-303 1
- 201 Insights into Hydro-mechanical Behavior of Bentonite Based Seals for Deep Geological Repositories. **2018**, 239-252
- 200 Feasibility study of using subgrade moisture content as key parameter to evaluate HMA roads performance under different drying/wetting cycles. **2018**, 4, 66-73
- 199 Constitutive Model for Soaking-Induced Volume Change of Unsaturated Compacted Expansive Soil. **2018**, 116-120 1
- 198 Application of the modified Cam-Clay model to a residual soil. **2018**, 315-320
- 197 The dilatancy conditions at critical state and its implications on constitutive modelling. **2018**, 25-32
- 196 Hydro-mechanical modelling of an unsaturated seal structure. **2018**, 757-763
- 195 Numerical Modeling of Water Flow in Expansive Soils with Simplified Description of Soil Deformation. **2018**, 65, 301-313
- 194 Les essais de sensibilit  appliqu  aux sols compact . **2019**, 3 1

193 Continuum Modeling of Partially Saturated Soils. **2019**, 63-100

192 MECHANICAL CHARACTERISTICS AND WATER RETENTION PROPERTIES OF UNSATURATED BENTONITE-BASED ENGINEERED BARRIER MATERIALS BASED ON CONTROLLED-SUCTION TESTS. **2019**, 75, 257-272

191 The impact of changes in the geological conditions of road bedrock layers while the road was in use. **2019**, 11, 2009-2021

190 Elastoplastic Behavior of Compacted Kaolin under Consolidated Drained and Shearing Infiltration Conditions. **2020**, 43, 20180218

189 A New Osmotic Oedometer with Electrical Resistivity Technique for Monitoring Water Exchanges. **2020**, 43, 20170156

188 Keynote Lecture: Application of Advanced Numerical Analysis in Geotechnical Engineering Design. **2020**, 1009-1022

187 Calibration of a generalized plasticity model for compacted silty sand under constant-suction shearing tests. **2020**, 195, 02020

186 Numerically reproduced HE-E experiment of Mont Terri project by Thermo-Hydro-Mechanical coupled model. **2020**, 195, 04015

185 Modelling the hydromechanical behaviour of expansive granular mixtures upon hydration. **2020**, 195, 02006

184 An elasto-viscoplastic model for frozen-unfrozen clays for combined problems of temperature and load variations. **2020**, 8, 200-205

183 Simple Testing Method for Measuring the Triaxial Stress-Strain Relations of Unsaturated Soils at High Suctions. **2021**, 44, 20190278

182 Mechanical behaviour of an unsaturated loam on the oedometric path. **2020**, 241-246

181 A New Suction-Controlled True Triaxial Apparatus for Unsaturated Soil Testing. **2021**, 44, 20190015

180 General report: Engineering behaviour and properties of arid soils. **2020**, 161-172

179 Numerical analysis of pressuremeter tests and its application to the design of shallow foundations. **2020**, 25-34

178 Unsaturated shear strength of coal mine spoil. **2020**, 1335-1340

177 Damage function and a masonry model for Loess. **2020**, 143-146

176 Modelling the behaviour of unsaturated non-active clays in saline environment. **2021**, 295, 106441

- 175 Establishing Thresholds for Rainfall-Induced Shallow Landslides Using Fully Coupled Hydro-Mechanical Model. **2022**, 1035-1043
- 174 Coupled thermo-hydro-mechanical modeling of frost heave and water migration during artificial freezing of soils for mineshaft sinking. **2021**, 3
- 173 A multisurface elastoplastic model for frozen soil. **2021**, 16, 3401 2
- 172 Changes on diametral compression behaviour of compacted marls due to drying. **2020**, 195, 03008
- 171 Modelling of oedometer tests on pellet-powder bentonite mixtures to support mock-up test analysis. **2020**, 195, 04004 1
- 170 Constitutive modeling of chalk [application to waterflooding]. **2020**, 359-365
- 169 Application of a coupled thermal-hydraulic-mechanical model for unsaturated soil. **2020**, 237-242
- 168 One-Dimensional Consolidation of Multi-Layered Unsaturated Soil with Impeded Drainage Boundaries. **2021**, 11, 133 0
- 167 Concept of effective stress and shear strength interaction in governing soil settlement. **2020**, 18-64
- 166 A New Apparatus for Studying Laterally Restrained Swell of Compacted Clay with Lateral Pressure Measurement. **2021**, 44, 20200045
- 165 Water Exfiltration from Bedrock: A Drastic Landslide Triggering Mechanism. **2021**, 85-99
- 164 Temperature influence on the yield surface for unsaturated soils. **2020**, 461-466
- 163 Consolidation of unsaturated soils: Identification of Biot's coefficient. **2020**, 65-70
- 162 Fractional-order bounding surface model for unsaturated soils under cyclic loading. **2022**, 141, 104529 0
- 161 THM analysis of a soil drying test in an environmental chamber: The role of boundary conditions. **2022**, 141, 104495 1
- 160 Experimental and numerical analysis of soil desiccating cracks in compacted and non-compacted specimens. **2020**, 195, 03021 1
- 159 Hydro-mechanical behaviour of a pellets based bentonite seal: Numerical modelling of lab scale experiments. **2020**, 195, 04009 0
- 158 A single-stress model for the prediction of yielding of unsaturated cemented soils under isotropic loads. **2020**, 195, 02001

- 157 The simultaneous effect of void ratio and hydraulic hysteresis on effective stress parameter in unsaturated soils. 1-18 2
- 156 Bounding surface constitutive model for unsaturated soils considering microscopic pore structure and bonding effect. **2020**, 195, 02007
- 155 Effect of hydraulic parameters on the computed serviceability of infrastructure slopes. **2020**, 195, 01001
- 154 Background. **2020**, 1-18
- 153 Volume change behavior of root-permeated soils under partially saturated conditions. **2020**, 195, 01007
- 152 Evolution of anisotropy with saturation and its implications for the elastoplastic responses of clay rocks. 2
- 151 Determination of the yield function and its derivatives of the Barcelona Expansive model. **2018**, 149, 02033
- 150 Evaluation of Yielding in Unsaturated Clays Using an Automated Triaxial Apparatus with Controlled Suction. **2005**, 285-300
- 149 Influence of State Variables on the Shear Behaviour of an Unsaturated Clay. **2007**, 179-184
- 148 Compaction Properties of Agricultural Soils. **2007**, 475-482
- 147 Implications of a Generalized Effective Stress on the Constitutive Modelling of Unsaturated Soils. **2007**, 75-82
- 146 Evaluating permissible subgrade rut depth in pavement design. **2005**, 158, 45-56 0
- 145 Effect of water vapor on re-saturation process in EBS performance of re-saturation process by Thermo-Hydro-Mechanical coupled analysis. **2020**, 15, 529-541
- 144 Application of the effective stress principle to volume change in unsaturated soils. **2020**, 119-124 1
- 143 Three-dimensional elasto-plastic model for unsaturated soils. **2020**, 153-158 3
- 142 A stress-strain relationship to solve the singularity resulting from coupling the yield surfaces of Barcelona model. **2020**, 243-248
- 141 Soil behaviour in suction controlled cyclic and dynamic torsional shear tests. **2020**, 539-544 0
- 140 Compression and Shear Strength Characteristics of Unsaturated Intact Loess in True Triaxial Tests. **2020**, 43, 20190282 0

139	Review of Experimental Techniques for Evaluating Unsaturated Shear Strength of Soil. 2021 , 579-590		
138	Mechanisms of rainfall induced differential settlements in unsaturated heterogeneous foundations. 2020 , 1813-1819		
137	Shearing behavior and modeling of disturbed volcanic cohesive soil considering dependence of hydraulic hysteresis on void ratio. 2020 , 1349-1355		
136	Slip line theory extended to unsaturated soils and applied to the retaining wall-unsaturated soil interaction problem. 2020 , 1807-1812		
135	Modeling field load tests in lateritic unsaturated soil. 2020 , 1495-1500		
134	Assessing the accuracy and efficiency of different order implicit and explicit integration schemes. 2022 , 141, 104531		2
133	Coupled THM Analysis of a Full-Scale Test for High-Level Nuclear Waste and Spent Fuel Disposal Under Actual Repository Conditions During 18 Years of Operation. <i>Geotechnique</i> , 1-43	3-4	1
132	Durability of Earth Materials: Weathering Agents, Testing Procedures and Stabilisation Methods. 2022 , 211-241		
131	Effect of saturation on liquefaction potential and residual strength: laboratory investigation. 1-23		1
130	Hydro-mechanical modelling of gas transport in clayey host rocks for nuclear waste repositories. 2021 , 148, 104987		1
129	Shear strength and yield surface of a partially saturated sandy silt under generalized stress states.		0
128	Hydro-mechanical Response to Gas Transfer of Deep Argillaceous Host Rocks for Radioactive Waste Disposal. 1		0
127	Numerical Modeling of the Oedometrical Behavior of Collapsible Loess. 1		
126	Transient Two-Phase Flow in Porous Media: A Literature Review and Engineering Application in Geotechnics. 2022 , 2, 32-93		6
125	Coupled hydro-mechanical analysis of the effects of medium depth drainage trenches mitigating deep landslide activity. 2022 , 297, 106510		0
124	Experimental investigation on the mechanical properties of thawed deep permafrost from the Kuparuk River Delta of the North Slope of Alaska. 2022 , 195, 103482		2
123	Analytical and numerical modelling of air trapping during wetting of unsaturated soils. 1		0
122	A state-dependent subloading constitutive model with unified hardening function for gas hydrate-bearing sediments. 2022 , 47, 4441-4471		0

121	An analytical model for predicting the shear strength of unsaturated soils. 1-57	2
120	Influences of temperature and moisture histories on the hydrostructural characteristics of a clay during desiccation. 2022 , 297, 106533	3
119	A constitutive model for anisotropic clay-rich rocks considering micro-structural composition. 2022 , 151, 105029	2
118	An Empirical Swelling Pressure Kinetics Model for Bentonite and Bentonite-Based Materials Hydrated under Constant Volume Conditions. 2022 , 22,	
117	Mechanism of wetting-induced deformation and failure of unsaturated soils.	1
116	Isotropic and Cross-Anisotropic Stiffness Parameters for Unsaturated Soils Using Conventional and Bishop's Stress State Variables. 2022 , 41-51	
115	The Modeling of Laboratory Experiments on Granular MX-80 Bentonite with COMSOL Multiphysics. 2022 , 12, 277	
114	Model for predicting evolution of microstructural void ratio in compacted clayey soils.	
113	Coupled chemo-hydro-mechanical effects on volume change behaviour of compacted bentonite used as buffer/backfill material in high-level radioactive waste repository. 1-25	0
112	Modelling unsaturated soils with the Material Point Method. A discussion of the state-of-the-art. 2022 , 100343	1
111	Multiphase modeling of the effect of external loading on the shrinkage of concrete and its consequences for modeling tensile creep. 2022 , 104499	0
110	Using a 3D Hydro-Mechanical Model to Study the Cyclic Behavior of Unsaturated Soils. 2022 ,	
109	Analysis of the Depth of the Active Zone via Coupled Hydro-Mechanical Analysis. 2022 ,	
108	A Modified Two-Surface Plasticity Model for Saturated and Unsaturated Soils. 1	0
107	MI-ECKu: A novel methodology for estimating unsaturated hydraulic conductivity of porous media. 1	
106	Effective stress in unsaturated soils: Lessons from capillarity in regular sphere arrangements. 2022 , 100341	0
105	Using the Modified State Surface Approach to Explain and Simplify the CASM. 2022 ,	
104	Collapse Settlement Prediction of Footings Built over Natural and Compacted Soils. 2022 ,	

- 103 Investigation on microstructure evolution of clayey soils: A review focusing on wetting/drying process. **2022**, 1
- 102 Characterizing Suction Stress and Shear Strength for Unsaturated Geomaterials under Various Confining Pressure Conditions. **2022**, 34, 100747 0
- 101 Estimation of the unsaturated shear strength of expansive soils in relation to capillary water-retention curve. **2022**, 146, 104735
- 100 A framework for constructing elasto-plastic constitutive models for frozen and unfrozen soils. **2022**, 46, 436-466 0
- 99 Variations in hydraulic properties of collapsible loess exposed to wetting and shearing. 1
- 98 An advanced constitutive model for drained and undrained unsaturated soil under different over-consolidation ratios. 1-13
- 97 A 1D Hypoplastic constitutive model for expansive soils. 1 0
- 96 A breakage-damage framework for porous granular rocks in surface-reactive environments. **2022**, 154, 105111 0
- 95 Disturbed state concept and non-isothermal shear strength model for unsaturated soils. **2022**, 81, 1 1
- 94 A critical saturated state-based constitutive model for volumetric behavior of compacted bentonite. 0
- 93 Characterizing and Modeling the Coupled Hydro-Mechanical Cyclic Behavior of Unsaturated Soils Using Constant Water Content Oedometer and Direct Shear Tests. 036119812210887
- 92 Impact of fines on the accumulated strain of unsaturated road base aggregate under cyclic loadings. 0
- 91 Multi-scale description of hydro-mechanical coupling in swelling clays. Part II: Poroplasticity. **2022**, 104357 0
- 90 An Elastoplastic Constitutive Model for Unsaturated Soils Using the Suction Stress Variable. 0
- 89 Effect of Rainfall Infiltration on the Stability of Compacted Embankments. **2022**, 22, 2
- 88 Pore size distribution evolution in pellets based bentonite hydration: Comparison between experimental and numerical results. **2022**, 304, 106700
- 87 Numerical modeling of seepage and deformation of unsaturated slope subjected to post-earthquake rainfall. **2022**, 148, 104791 1
- 86 Avoidance and Protection Measures. **2013**, 569-584 1

85	Elastoplastic analysis of cylindrical cavity expansion responses in anisotropic unsaturated soils under plane stress condition. 2022 ,		
84	Experimental study on critical state behavior of unsaturated silty sand under constant matric suctions. <i>Geotechnique</i> , 1-67	3-4	1
83	Development of a new advanced elastoplastic constitutive model that considers soil behavior at small strains. The EPHYSS model.		0
82	Constitutive model for swelling properties of unsaturated bentonite buffer materials during saturation. 2022 , 62, 101161		0
81	Unsaturated soil deformation theory and test verification based on the catastrophe model. 2022 , 15,		
80	A new double-porosity macroscopic model of bentonite free swelling. 2022 , 305, 106725		
79	Moistening Deformation Constitutive Model for Unsaturated Loess. 2022 , 22,		
78	Compression behavior and structure of undisturbed Q2 loess under wet-dry cycles. 2022 , 62, 101165		0
77	Experimental investigation into the shakedown state of unsaturated road base aggregate at various fine contents and matric suctions. 2022 , 306, 106744		1
76	Analysis of shear mock-up tests in a canister-clay system for spent nuclear fuel isolation. 2022 , 100361		
75	Liquefaction Assessment in Unsaturated Soils. 2022 , 148,		1
74	Semi-Analytical Solution for Undrained Cylindrical Cavity Expansion in Variably Saturated Soils.		
73	Machine learning-based estimation of soil's true air-entry value from GSD curves. 2022 ,		0
72	Destabilisation of Seawall Ground by Ocean Waves. <i>Geotechnique</i> , 1-68	3-4	2
71	Role of Stress History on the Swelling/Shrinkage Behavior of Compacted Scaly Clay. 2022 , 22,		
70	Insight on the Void Ratio/Suction Relationship of Compacted Bentonite during Hydration. 2022 , 15, 5173		0
69	Calibration of a constitutive model for volcanic sands under simple shear conditions.		
68	Simulation of Triaxial Tests for Unsaturated Soils under a Tension/Shear State by the Discrete Element Method. 2022 , 14, 9122		1

- 67 Assessing the Stability of Widely-Graded Soils. **2023**, 333-396
- 66 Deviatoric behaviour of compacted unsaturated soils within ($\{\mathbf{q}\}$, $\{\mathbf{v}\}_{\mathbf{w}}$, $\{\mathbf{p}\}$) space in experimental study.
- 65 Innovative Overview of SWRC Application in Modeling Geotechnical Engineering Problems. **2022**, 6, 69 1
- 64 Real-time determination of sandy soil stiffness during vibratory compaction incorporating machine learning method for intelligent compaction. **2022**, 0
- 63 Interpretation of mechanical and biodegradation behaviour of municipal solid waste. **2022**, 150, 104927
- 62 Consideration of thermal-hydration-mechanical-chemical behavior for bentonite-sand mixture. **2022**, 17, 297-306 0
- 61 Updated Lagrangian unsaturated periporomechanics for extreme large deformation in unsaturated porous media. **2022**, 400, 115511 0
- 60 Centrifuge Investigation of Groundwater-Induced Footing Settlement in Sand Considering Rising and Falling GWL Phases. **2022**, 148, 0
- 59 A critical state constitutive model for unsaturated structured soils. **2022**, 152, 104993 0
- 58 Coupled Large Deformation Finite Element Formulations for the Dynamics of Unsaturated Soil and Their Application. **2022**, 12, 320 0
- 57 Finite Element Analysis of Expansive Bedrock Considering Electro-chemo-mechanical Coupling Phenomena in Crystal Layers of Clay Minerals and Internal Structural Degradation. 0
- 56 Numerical investigation of the performance of engineered barriers in controlling stormwater runoff. **2022**, 100401 0
- 55 Bishop parameter χ from static equilibrium. 0
- 54 Hydrate morphology and mechanical behavior of hydrate-bearing sediments: a critical review. **2022**, 8, 0
- 53 Dynamic constitutive model for unsaturated frozen soil considering the influence of matrix suction. **2022**, 57, 2365-2378 0
- 52 Study on the long-term performance of shield tunnel passing through the gas-bearing strata. **2022**, 0
- 51 A Reactive-Chemo-Mechanical Model for Weak Acid-Assisted Cavity Expansion in Carbonate Rocks. 0
- 50 Reconstructing rainfall using dryland dunes: Assessing the suitability of the southern Kalahari for unsaturated zone hydrostratigraphies. 10, 0

- 49 SFG modified model and particle flow simulation. 1-22 ○
- 48 Water Retention Curve of Biocemented Sands Using MIP Results. **2022**, 12, 10447 ○
- 47 Compression Response of Sedimented Unsaturated Soils. **2022**, 148, ○
- 46 Coupled hydro-mechanical modelling of unsaturated soils; numerical implementation and application to large deformation problems. **2022**, 152, 105044 ○
- 45 ??????????????????????????. **2022**, ○
- 44 Chemo-mechanical behaviour of non-expansive clays accounting for salinity effects. 1-50 ○
- 43 Centrifuge modelling of an expansive clay profile using artificial fissuring to achieve realistic swell magnitudes in a short timeframe. **2022**, 106928 ○
- 42 Reply to the discussion by Karray et al. on Small strain shear modulus and damping ratio of two unsaturated lateritic sandy clays ○
- 41 Effect of Infiltration on Single-Pile and MonopileRaft Foundation Embedded in Unsaturated Sand. **2023**, 23, ○
- 40 A constitutive model for porous media with recurring stress drops: From snow to foams and cereals. **2023**, 262-263, 112044 ○
- 39 A simple numerical simulation method for unsaturated stratum under the water environmental load. **2023**, 154, 105177 ○
- 38 Cracking behavior of sisal fiber-reinforced clayey soil under wetting-drying cycles. **2023**, 227, 105596 ○
- 37 Hydro-mechanical coupling effect on water permeability of intensely weathered sandstone. ○
- 36 Modelling a granular bentonite system as a discrete set of continuum units. **2022**, 100422 ○
- 35 Numerical Implementation of the Barcelona Basic Model Based on Return-Mapping Integration. **2022**, 12, 11933 ○
- 34 Simulation of the inelastic deformation of porous reservoirs under cyclic loading relevant for underground hydrogen storage. **2022**, 12, ○
- 33 A simple method for predicting wetting-induced collapse behavior of compacted loess with various initial void ratios and moisture contents. **2023**, 82, ○
- 32 Model test study on the influence of the collapsibility of loess stratum on an urban utility tunnel. **2023**, 82, ○

- 31 Large-deformation consolidation models of saturated-unsaturated materials under self-weight and evaporation. **2023**, 129130 ○
- 30 Experimental Study and Prediction of Water Retention Curves of an Unsaturated Kaolin. ○
- 29 Experimental Investigations on Hydro-mechanical Processes in Reconstituted Clay Shale and Their Significance for Constitutive Modelling. ○
- 28 Aspects particuliers du comportement mécanique des tufs calcaires de Sif (Algérie) en assises de chaussées. **2023**, 82, ○
- 27 On the use of biocementation to treat collapsible soils. **2023**, 313, 106971 ○
- 26 Influence of aggregate structure on the compressibility of an unsaturated compacted silty sand. **2023**, 314, 107007 ○
- 25 Micromechanical formulation of first- and second-order works in unsaturated granular media. **2023**, 47, 1152-1174 ○
- 24 Analysis of a Shallow Footing Resting on Compacted Unsaturated Embankment under Infiltration. **2023**, ○
- 23 A new and simple method for predicting the collapse susceptibility of intact loess. **2023**, 158, 105408 ○
- 22 A constitutive model of compacted bentonite under coupled chemo-hydro-mechanical conditions based on the framework of the BExM. **2023**, 158, 105360 ○
- 21 On the hydro-mechanical behaviour of unsaturated damaged Callovo-Oxfordian claystone. **2023**, 319, 107107 ○
- 20 Mechanisms and Modeling Methods of Strain-Softening Behavior of Unsaturated Soils. **2023**, 23, ○
- 19 An elastic-viscoplastic model for time-dependent behavior of unsaturated soils. **2023**, 159, 105415 ○
- 18 Geotechnical characterization of collapsible salty sands subjected to monotonic and cyclic loadings [A case study for areas with high seismicity. **2023**, 63, 101252 ○
- 17 Molecular-level behavior induction in the constitutive modeling of swelling clayey soils [A review. **2023**, 39, 100947 ○
- 16 The effect of hydro-mechanical coupling on the onset and orientation of localisation bands in partially saturated soils. **2023**, 162, 103551 ○
- 15 Simple modelling of fast hydration processes in bentonite pellet fills. **2023**, 315, 107028 ○
- 14 Friction influence on constant volume saturation of bentonite mixed pellet-block samples, a numerical analysis. **2023**, 234, 106846 ○

- 13 Mechanical parameter identification technique for a bentonite buffer based on multi-objective optimization. ○
- 12 Self-sealing behavior of bentonite-based materials in high-level radioactive waste disposal: A systematic review. **2023**, 235, 106873 ○
- 11 Viscoplastic modelling of rainfall-driven slow-moving landslides: application to California Coast Ranges . ○
- 10 Extensive overview of soil constitutive relations and applications for geotechnical engineering problems. **2023**, 9, e14465 ○
- 9 Identifying Collapsible Soils from Seismic Cone (SCPT): A Qualitative Approach. **2023**, 13, 830 ○
- 8 Unified Consolidation-Creep-Collapse Phenomena in an Unsaturated Sand-Bentonite Mixture. **2023** , ○
- 7 Behavior of Single Pile and Mono Pile-Raft Foundation under Hydraulic Loading Considering Hysteresis in Unsaturated Soils. **2023**, ○
- 6 Tunnel Linings. **2023**, 253-327 ○
- 5 Relationship between Shear Strength and Suction of Granitic Residual Soil. 75-79 ○
- 4 Numerical investigation of the effect of water content variations in expansive clay subgrades. 1-11 ○
- 3 An analysis of static loading tests on short bored pile in tropical soil. **2023**, 16, ○
- 2 Stress-Strain Relationship of Clay in Dongting Lake Area Based on Three Damage Factors. **2023**, 2023, 1-13 ○
- 1 Shear strength and shear stiffness analysis of compacted Wyoming-type bentonite. **2023**, 100468 ○