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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

357 papers	7,655 citations	44 h-index	70 g-index
373 ext. papers	9,096 ext. citations	4.1 avg, IF	6.53 L-index

#	Paper	IF	Citations
357	Laboratory investigation of the mechanical behaviour of Tournemire shale. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 1997 , 34, 3-16	6	541
356	Modeling of elastoplastic damage behavior of a claystone. <i>International Journal of Plasticity</i> , 2003 , 19, 23-45	7.6	196
355	A coupled elastoplastic damage model for semi-brittle materials and extension to unsaturated conditions. <i>Mechanics of Materials</i> , 2006 , 38, 218-232	3.3	154
354	Modeling of creep in rock materials in terms of material degradation. <i>Computers and Geotechnics</i> , 2003 , 30, 549-555	4.4	149
353	Experimental investigation of the effect of temperature on the mechanical behavior of Tournemire shale. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014 , 70, 185-191	6	119
352	Modeling of anisotropic damage and creep deformation in brittle rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2006 , 43, 582-592	6	113
351	Assessment of some failure criteria for strongly anisotropic geomaterials. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1998 , 3, 1-26		109
350	Laboratory Investigation on Physical and Mechanical Properties of Granite After Heating and Water-Cooling Treatment. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 677-694	5.7	109
349	A micro-macro model for clayey rocks with a plastic compressible porous matrix. <i>International Journal of Plasticity</i> , 2012 , 36, 64-85	7.6	107
348	Coupling between anisotropic damage and permeability variation in brittle rocks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2005 , 29, 1231-1247	4	107
347	Elastoplastic deformation of a porous rock and water interaction. <i>International Journal of Plasticity</i> , 2006 , 22, 2195-2225	7.6	101
346	Micromechanical analysis of coupling between anisotropic damage and friction in quasi brittle materials: Role of the homogenization scheme. <i>International Journal of Solids and Structures</i> , 2008 , 45, 1385-1405	3.1	91
345	A micromechanical model of elastoplastic and damage behavior of a cohesive geomaterial. <i>International Journal of Solids and Structures</i> , 2008 , 45, 1406-1429	3.1	89
344	Modelling of inherent anisotropy in sedimentary rocks. <i>International Journal of Solids and Structures</i> , 2002 , 39, 637-648	3.1	89
343	A microcrack-based continuous damage model for brittle geomaterials. <i>Mechanics of Materials</i> , 2000 , 32, 607-619	3.3	89
342	Experimental investigation and micromechanical analysis of damage and permeability variation in brittle rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2010 , 47, 703-713	6	85
341	A continuum damage constitutive law for brittle rocks. <i>Computers and Geotechnics</i> , 1998 , 22, 135-151	4.4	79

340	Poroelastic behaviour of brittle rock materials with anisotropic damage. <i>Mechanics of Materials</i> , 1998 , 30, 41-53	3.3	78
339	Evolution of poroelastic properties and permeability in damaged sandstone. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2010 , 47, 962-973	6	77
338	A unified elastic-plastic and viscoplastic damage model for quasi-brittle rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2008 , 45, 1237-1251	6	77
337	A micromechanics-based elastoplastic damage model for granular materials at low confining pressure. <i>International Journal of Plasticity</i> , 2010 , 26, 586-602	7.6	71
336	Micromechanical modelling of anisotropic damage in brittle rocks and application. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2008 , 45, 467-477	6	71
335	Effects of desiccation on mechanical behaviour of concrete. <i>Cement and Concrete Composites</i> , 2005 , 27, 367-379	8.6	71
334	Prediction of rock burst classification using the technique of cloud models with attribution weight. <i>Natural Hazards</i> , 2013 , 68, 549-568	3	70
333	Effect of water content and structural anisotropy on mechanical property of claystone. <i>Applied Clay Science</i> , 2012 , 69, 79-86	5.2	68
332	Comparison on landslide nonlinear displacement analysis and prediction with computational intelligence approaches. <i>Landslides</i> , 2014 , 11, 889-896	6.6	65
331	Influences of chemical degradation on mechanical behaviour of a limestone. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2011 , 48, 741-747	6	65
330	Modelling of induced anisotropic damage in granites. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 1999 , 36, 1001-1012	6	63
329	A refined micromechanical damage-friction model with strength prediction for rock-like materials under compression. <i>International Journal of Solids and Structures</i> , 2015 , 60-61, 75-83	3.1	62
328	A general and efficient computational procedure for modelling the Kapitza thermal resistance based on XFEM. <i>Computational Materials Science</i> , 2011 , 50, 1220-1224	3.2	62
327	Coupled elastoplastic damage modeling of anisotropic rocks. <i>Computers and Geotechnics</i> , 2010 , 37, 187-194	4.4	62
326	A closed-form three scale model for ductile rocks with a plastically compressible porous matrix. <i>Mechanics of Materials</i> , 2013 , 59, 73-86	3.3	59
325	Damage and Plastic Deformation Modeling of Beishan Granite Under Compressive Stress Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2015 , 48, 1623-1633	5.7	52
324	Study of hydraulic fracturing in an anisotropic poroelastic medium via a hybrid EDFM-XFEM approach. <i>Computers and Geotechnics</i> , 2019 , 105, 51-68	4.4	52
323	Numerical study of hydraulic fracture propagation accounting for rock anisotropy. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 160, 422-432	4.4	51

322	A modified single plane of weakness theory for the failure of highly stratified rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 1998 , 35, 807-813	6	50
321	Analytical and numerical analysis of frictional damage in quasi brittle materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2016 , 92, 137-163	5	49
320	Effects of deviatoric stress and structural anisotropy on compressive creep behavior of a clayey rock. <i>Applied Clay Science</i> , 2015 , 114, 491-496	5.2	48
319	A micromechanics-based thermodynamic formulation of isotropic damage with unilateral and friction effects. <i>European Journal of Mechanics, A/Solids</i> , 2011 , 30, 316-325	3.7	48
318	An extreme learning machine approach for slope stability evaluation and prediction. <i>Natural Hazards</i> , 2014 , 73, 787-804	3	47
317	Study of poroelasticity material coefficients as response of microstructure. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2000 , 5, 149-171		47
316	A micro-mechanics based plastic damage model for quasi-brittle materials under a large range of compressive stress. <i>International Journal of Plasticity</i> , 2018 , 100, 156-176	7.6	45
315	Damage Modeling of Saturated Rocks in Drained and Undrained Conditions. <i>Journal of Engineering Mechanics - ASCE</i> , 2004 , 130, 733-740	2.4	45
314	Experimental and numerical investigations on transient creep of porous chalk. <i>Mechanics of Materials</i> , 1995 , 21, 147-158	3.3	45
313	Experimental Researches on Hydro-Mechanical Properties of Altered Rock Under Confining Pressures. <i>Rock Mechanics and Rock Engineering</i> , 2014 , 47, 485-493	5.7	44
312	An Experimental Investigation and an Elastoplastic Constitutive Model for a Porous Rock. <i>Rock Mechanics and Rock Engineering</i> , 2013 , 46, 1499-1511	5.7	43
311	Homogenization-based analysis of anisotropic damage in brittle materials with unilateral effect and interactions between microcracks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2009 , 33, 749-772	4	42
310	Modelling of elastoplastic damage in concrete due to desiccation shrinkage. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2002 , 26, 759-774	4	42
309	Indirect estimation of unconfined compressive strength of carbonate rocks using extreme learning machine. <i>Acta Geotechnica</i> , 2015 , 10, 651-663	4.9	41
308	Comprehensive Stability Evaluation of Rock Slope Using the Cloud Model-Based Approach. <i>Rock Mechanics and Rock Engineering</i> , 2014 , 47, 2239-2252	5.7	41
307	Experimental investigation and poroplastic modelling of saturated porous geomaterials. <i>International Journal of Plasticity</i> , 2012 , 39, 27-45	7.6	41
306	Numerical simulation of damage and failure in brittle rocks using a modified rigid block spring method. <i>Computers and Geotechnics</i> , 2015 , 64, 48-60	4.4	40
305	Experimental study of mechanical behaviour of cement paste under compressive stress and chemical degradation. <i>Cement and Concrete Research</i> , 2008 , 38, 1416-1423	10.3	40

304	Development of an elastoplastic model for porous rock. <i>International Journal of Plasticity</i> , 1991 , 7, 1-13	7.6	40
303	Description of Creep in Inherently Anisotropic Frictional Materials. <i>Journal of Engineering Mechanics - ASCE</i> , 2004 , 130, 681-690	2.4	39
302	A single-objective EPR based model for creep index of soft clays considering L2 regularization. <i>Engineering Geology</i> , 2019 , 248, 242-255	6	38
301	Effects of relative humidity and mineral compositions on creep deformation and failure of a claystone under compression. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018 , 103, 68-76	6	37
300	The gas permeability properties of low-permeability rock in the process of triaxial compression test. <i>Materials Letters</i> , 2014 , 116, 386-388	3.3	37
299	A micromechanics-based elastoplastic damage model for quasi-brittle rocks. <i>Computers and Geotechnics</i> , 2011 , 38, 970-977	4.4	37
298	Mechanical behaviour of a porous chalk and effect of saturating fluid. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2000 , 5, 583-606		37
297	An incremental micro-macro model for porous geomaterials with double porosity and inclusion. <i>International Journal of Plasticity</i> , 2016 , 83, 37-54	7.6	37
296	Influences of Mineralogy and Water Content on the Mechanical Properties of Argillite. <i>Rock Mechanics and Rock Engineering</i> , 2014 , 47, 157-166	5.7	36
295	Experimental study of poromechanical behavior of saturated claystone under triaxial compression. <i>Acta Geotechnica</i> , 2014 , 9, 207-214	4.9	36
294	Elastoplastic damage modelling of argillite in partially saturated condition and application. <i>Physics and Chemistry of the Earth</i> , 2007 , 32, 656-666	3	36
293	Curcumin enhances the radiosensitivity of U87 cells by inducing DUSP-2 up-regulation. <i>Cellular Physiology and Biochemistry</i> , 2015 , 35, 1381-93	3.9	35
292	Stress equivalence principle for saturated porous media. <i>Comptes Rendus - Mecanique</i> , 2002 , 330, 297-302	3.1	35
291	A unified micromechanics-based damage model for instantaneous and time-dependent behaviors of brittle rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2016 , 84, 187-196	6	34
290	Induced anisotropic damage and plasticity in initially anisotropic sedimentary rocks. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2012 , 51, 13-23	6	34
289	Elastoplastic damage modeling of desaturation and resaturation in argillites. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2010 , 34, 187-220	4	34
288	A micro-macro model for time-dependent behavior of clayey rocks due to anisotropic propagation of microcracks. <i>International Journal of Plasticity</i> , 2015 , 69, 73-88	7.6	32
287	Micromechanical analysis of damage in saturated quasi brittle materials. <i>International Journal of Solids and Structures</i> , 2012 , 49, 919-928	3.1	32

286	Mechanical Behaviour of a Porous Chalk and Water/Chalk Interaction. Part I: Experimental Study. <i>Oil and Gas Science and Technology</i> , 2000 , 55, 591-598	1.9	32
285	Curcumin induces G2/M arrest and triggers apoptosis via FoxO1 signaling in U87 human glioma cells. <i>Molecular Medicine Reports</i> , 2016 , 13, 3763-70	2.9	32
284	A discrete approach for modeling damage and failure in anisotropic cohesive brittle materials. <i>Engineering Fracture Mechanics</i> , 2016 , 155, 102-118	4.2	31
283	Bayesian model selection for sand with generalization ability evaluation. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019 , 43, 2305-2327	4	31
282	Subcritical crack growth of edge and center cracks in fa�de rock panels subject to periodic surface temperature variations. <i>International Journal of Solids and Structures</i> , 2006 , 43, 807-827	3.1	31
281	Damage and plastic friction in initially anisotropic quasi brittle materials. <i>International Journal of Plasticity</i> , 2016 , 82, 260-282	7.6	31
280	Time-Dependent Behavior of Cataclastic Rocks in a Multi-Loading Triaxial Creep Test. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 3793-3803	5.7	30
279	Strength Behavior, Creep Failure and Permeability Change of a Tight Marble Under Triaxial Compression. <i>Rock Mechanics and Rock Engineering</i> , 2017 , 50, 529-541	5.7	30
278	Approximate criteria for ductile porous materials having a Green type matrix: Application to double porous media. <i>Computational Materials Science</i> , 2012 , 62, 189-194	3.2	30
277	Nuclear Smad6 promotes gliomagenesis by negatively regulating PIAS3-mediated STAT3 inhibition. <i>Nature Communications</i> , 2018 , 9, 2504	17.4	30
276	Influences of temperature and water content on mechanical property of argillite. <i>European Journal of Environmental and Civil Engineering</i> , 2014 , 18, 173-189	1.5	29
275	Experimental investigation of creep behavior of clastic rock in Xiangjiaba Hydropower Project. <i>Water Science and Engineering</i> , 2015 , 8, 55-62	4	29
274	Experimental Investigation on Mechanical Behavior and Permeability Evolution of a Porous Limestone Under Compression. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 3425-3435	5.7	29
273	Micromechanics of rock damage: Advances in the quasi-brittle field. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017 , 9, 29-40	5.3	28
272	Approximate macroscopic yield criteria for Drucker-Prager type solids with spheroidal voids. <i>International Journal of Plasticity</i> , 2017 , 99, 221-247	7.6	28
271	Gas permeability evolution of clayey rocks in process of compressive creep test. <i>Materials Letters</i> , 2015 , 139, 422-425	3.3	28
270	Evolution of the mechanical behaviour of a high performance self-compacting concrete under drying. <i>Cement and Concrete Composites</i> , 2011 , 33, 380-388	8.6	28
269	The behavior of oil well cement at downhole CO2 storage conditions: Static and dynamic laboratory experiments. <i>Energy Procedia</i> , 2011 , 4, 5251-5258	2.3	28

268	Perforation et propriétés mécaniques des argilites. <i>Comptes Rendus - Geoscience</i> , 2006 , 338, 882-891	1.4	28
267	A Numerical Analysis of Permeability Evolution in Rocks with Multiple Fractures. <i>Transport in Porous Media</i> , 2015 , 108, 289-311	3.1	27
266	Influence of alkali silica reaction (ASR) on mechanical properties of mortar. <i>Construction and Building Materials</i> , 2013 , 47, 165-174	6.7	27
265	An Experimental Study and Constitutive Modeling of Saturated Porous Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2015 , 48, 223-234	5.7	26
264	Coupled modeling of damage growth and permeability variation in brittle rocks. <i>Mechanics Research Communications</i> , 2006 , 33, 450-459	2.2	26
263	On anisotropy of stratified rocks: homogenization and fabric tensor approach. <i>Computers and Geotechnics</i> , 2003 , 30, 289-302	4.4	26
262	Modelling of elastoplastic behaviour with non-local damage in concrete under compression. <i>Computers and Structures</i> , 2007 , 85, 1757-1768	4.5	25
261	Modelling of deformation response and chemo-mechanical coupling in chalk. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2006 , 30, 997-1018	4	25
260	Experimental and Numerical Investigations on Strength and Deformation Behavior of Cataclastic Sandstone. <i>Rock Mechanics and Rock Engineering</i> , 2015 , 48, 1083-1096	5.7	24
259	A comparative micromechanical analysis of the effective properties of a geomaterial: Effect of mineralogical compositions. <i>Computers and Geotechnics</i> , 2010 , 37, 585-593	4.4	24
258	Damage coupled time-dependent model of a jointed rock mass and application to large underground cavern excavation. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2004 , 41, 669-677	6	24
257	Numerical study of excavation induced fractures using an extended rigid block spring method. <i>Computers and Geotechnics</i> , 2017 , 85, 368-383	4.4	23
256	Compressive strength of cement-based composites: Roles of aggregate diameter and water saturation degree. <i>Cement and Concrete Composites</i> , 2013 , 37, 249-258	8.6	23
255	Three-dimensional numerical modelling by XFEM of spring-layer imperfect curved interfaces with applications to linearly elastic composite materials. <i>International Journal for Numerical Methods in Engineering</i> , 2011 , 88, 307-328	2.4	23
254	Effect of heat-treatment and hydrostatic loading upon the poro-elastic properties of a mortar. <i>Cement and Concrete Research</i> , 2009 , 39, 195-205	10.3	23
253	Hydromechanical modelling of shaft excavation in Meuse/Haute-Marne laboratory. <i>Physics and Chemistry of the Earth</i> , 2008 , 33, S422-S435	3	23
252	A new bond model in peridynamics theory for progressive failure in cohesive brittle materials. <i>Engineering Fracture Mechanics</i> , 2020 , 223, 106767	4.2	23
251	Incorporation of tension-compression asymmetry into plastic damage phase-field modeling of quasi brittle geomaterials. <i>International Journal of Plasticity</i> , 2020 , 124, 71-95	7.6	23

250	A novel FFT-based phase field model for damage and cracking behavior of heterogeneous materials. <i>International Journal of Plasticity</i> , 2020 , 133, 102786	7.6	22
249	Effects of inclusions and pores on plastic and viscoplastic deformation of rock-like materials. <i>International Journal of Plasticity</i> , 2018 , 108, 107-124	7.6	22
248	Elastoplastic damage modeling the mechanical behavior of rock-like materials considering confining pressure dependency. <i>Mechanics Research Communications</i> , 2013 , 53, 1-8	2.2	22
247	A new anisotropic failure criterion for transversely isotropic solids. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1998 , 3, 89-103		22
246	Gas permeability evolution mechanism during creep of a low permeable claystone. <i>Applied Clay Science</i> , 2016 , 129, 47-53	5.2	22
245	Analysis of 4931 renal biopsy data in central China from 1994 to 2014. <i>Renal Failure</i> , 2016 , 38, 1021-30	2.9	22
244	Creep behaviour and permeability evolution of cataclastic sandstone in triaxial rheological tests. <i>European Journal of Environmental and Civil Engineering</i> , 2015 , 19, 496-519	1.5	21
243	An extended finite element solution for hydraulic fracturing with thermo-hydro-elastic-plastic coupling. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 364, 112967	5.7	21
242	Influences of micro-pores and meso-pores on elastic and plastic properties of porous materials. <i>European Journal of Mechanics, A/Solids</i> , 2018 , 72, 407-423	3.7	21
241	Influence of chemical degradation on mechanical behavior of a petroleum cement paste. <i>Cement and Concrete Research</i> , 2011 , 41, 412-421	10.3	21
240	Intergranular pressure solution in chalk: a multiscale approach. <i>Computers and Geotechnics</i> , 2007 , 34, 291-305	4.4	21
239	An elastoplastic model for unsaturated rocks and concrete. <i>Mechanics Research Communications</i> , 2002 , 29, 383-390	2.2	21
238	A new experimental method for tensile property study of quartz sandstone under confining pressure. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019 , 123, 104091	6	20
237	Study of desaturation and resaturation in brittle rock with anisotropic damage. <i>Engineering Geology</i> , 2005 , 81, 341-352	6	20
236	Multi-step triaxial compressive creep behaviour and induced gas permeability change of clay-rich rock. <i>Geotechnique</i> , 2018 , 68, 281-289	3.4	20
235	Analysis of localized cracking in quasi-brittle materials with a micro-mechanics based friction-damage approach. <i>Journal of the Mechanics and Physics of Solids</i> , 2018 , 119, 163-187	5	20
234	A new macroscopic criterion of porous materials with a Mises-Schleicher compressible matrix. <i>European Journal of Mechanics, A/Solids</i> , 2015 , 49, 531-538	3.7	19
233	Gas Permeability Evolution with Deformation and Cracking Process in a White Marble Under Compression. <i>Transport in Porous Media</i> , 2016 , 111, 441-455	3.1	19

232	A discrete approach for anisotropic plasticity and damage in semi-brittle rocks. <i>Computers and Geotechnics</i> , 2010 , 37, 658-666	4.4	19
231	Elastoplastic Damage Modeling in Unsaturated Rocks and Applications. <i>International Journal of Geomechanics</i> , 2006 , 6, 119-130	3.1	19
230	Moisture effects on damage and failure of Bure claystone under compression. <i>Geotechnique Letters</i> , 2016 , 6, 182-186	1.7	18
229	Modeling of inherent anisotropic behavior of partially saturated clayey rocks. <i>Computers and Geotechnics</i> , 2013 , 48, 29-40	4.4	18
228	Numerical modelling of in situ behaviour of the Callovian Oxfordian argillite subjected to the thermal loading. <i>Engineering Geology</i> , 2009 , 109, 262-272	6	18
227	Effects of confining pressure and loading path on deformation and strength of cohesive granular materials: a three-dimensional DEM analysis. <i>Acta Geotechnica</i> , 2019 , 14, 443-460	4.9	18
226	Laboratory Investigations of the Hydro-Mechanical-Chemical Coupling Behaviour of Sandstone in CO ₂ Storage in Aquifers. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 417-426	5.7	17
225	Some micromechanical models of elastoplastic behaviors of porous geomaterials. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017 , 9, 1-17	5.3	17
224	A micromechanical model of inherently anisotropic rocks. <i>Computers and Geotechnics</i> , 2015 , 65, 73-79	4.4	17
223	A damage model of mechanical behavior of porous materials: Application to sandstone. <i>International Journal of Damage Mechanics</i> , 2018 , 27, 1325-1351	3	17
222	A thermo-plastic/viscoplastic damage model for geomaterials. <i>Acta Mechanica Solida Sinica</i> , 2011 , 24, 195-208	2	17
221	A multiscale modeling of damage and time-dependent behavior of cohesive rocks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2009 , 33, 567-589	4	17
220	Elastoplastic Damage Behavior of a Mortar Subjected to Compression and Desiccation. <i>Journal of Engineering Mechanics - ASCE</i> , 2007 , 133, 464-472	2.4	17
219	Evaluation and improvement of macroscopic yield criteria of porous media having a Drucker-Prager matrix. <i>International Journal of Plasticity</i> , 2020 , 126, 102609	7.6	17
218	A new discrete method for modeling hydraulic fracturing in cohesive porous materials. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 180, 257-267	4.4	16
217	A discrete viscoplastic damage model for time-dependent behaviour of quasi-brittle rocks. <i>International Journal of Damage Mechanics</i> , 2015 , 24, 21-40	3	16
216	Effects of Acid Solution on the Mechanical Behavior of Sandstone. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04015089	3	16
215	Mechanical Behavior of Claystone in Lateral Decompression Test and Thermal Effect. <i>Rock Mechanics and Rock Engineering</i> , 2019 , 52, 321-334	5.7	16

214	Mechanical Behaviour of a Porous Chalk and Water/Chalk Interaction. Part II: Numerical Modelling. <i>Oil and Gas Science and Technology</i> , 2000 , 55, 599-609	1.9	16
213	A continuum damage mechanics approach for time independent and dependent behaviour of brittle rock. <i>Mechanics Research Communications</i> , 1996 , 23, 257-265	2.2	16
212	Association between inflammatory cytokines and the risk of post-stroke depression, and the effect of depression on outcomes of patients with ischemic stroke in a 2-year prospective study. <i>Experimental and Therapeutic Medicine</i> , 2016 , 12, 1591-1598	2.1	16
211	A Micromechanics-Based Elastoplastic Damage Model for Rocks with a BrittleDuctile Transition in Mechanical Response. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 1729-1737	5.7	15
210	A hydro-mechanical-chemical coupling model for geomaterial with both mechanical and chemical damages considered. <i>Acta Mechanica Solida Sinica</i> , 2012 , 25, 361-376	2	15
209	Estimation of Elasticity of Porous Rock Based on Mineral Composition and Microstructure. <i>Advances in Materials Science and Engineering</i> , 2013 , 2013, 1-10	1.5	15
208	Effects of the Storage of CO ₂ on Multiaxial Mechanical and Hydraulic Behaviors of Oil-Well Cement. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 741-746	3	15
207	Coupled hydromechanical modeling of rock fractures under normal stress. <i>Canadian Geotechnical Journal</i> , 2004 , 41, 686-697	3.2	15
206	Influence of cooling rate on thermal degradation of physical and mechanical properties of granite. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020 , 129, 104285	6	15
205	Characterization of the mechanical properties of a claystone by nano-indentation and homogenization. <i>Acta Geotechnica</i> , 2018 , 13, 1395-1404	4.9	14
204	Homogenization of rock-like materials with plastic matrix based on an incremental variational principle. <i>International Journal of Plasticity</i> , 2019 , 123, 145-164	7.6	14
203	Change in the permeability of clastic rock during multi-loading triaxial compressive creep tests. <i>Geotechnique Letters</i> , 2015 , 5, 167-172	1.7	14
202	On the incremental approach for nonlinear homogenization of composite and influence of isotropization. <i>Computational Materials Science</i> , 2009 , 46, 447-451	3.2	14
201	A discrete thermodynamic approach for anisotropic plastic damage modeling of cohesive-frictional geomaterials. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2010 , 34, 1250-1270	4.1	14
200	Experimental and micro-mechanical analysis of the mechanical and transport properties of mortar containing heat-induced micro-cracks. <i>Cement and Concrete Composites</i> , 2010 , 32, 678-685	8.6	14
199	A micromechanics-based non-local anisotropic model for unilateral damage in brittle materials. <i>Comptes Rendus - Mecanique</i> , 2008 , 336, 320-328	2.1	14
198	Modelling of anisotropic damage in brittle rocks under compression dominated stresses. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2002 , 26, 945-961	4	14
197	Study of deformation and failure in an anisotropic rock with a three-dimensional discrete element model. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019 , 120, 17-28	6	13

196	A micromechanical model for the elastic-plastic behavior of porous rocks. <i>Computers and Geotechnics</i> , 2015 , 70, 130-137	4.4	13
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