

The influence of fabric and water content on selected rock properties of travertine, examples from Hungary

Engineering Geology

115, 237-245

DOI: [10.1016/j.enggeo.2010.01.005](https://doi.org/10.1016/j.enggeo.2010.01.005)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Current methods and future trends in testing, durability analyses and provenance studies of natural stones used in historical monuments. <i>Engineering Geology</i> , 2010, 115, 139-142.	2.9	79
2	The Effect of Water on The Strength of Building Stones. <i>American Journal of Environmental Sciences</i> , 2012, 8, 158-161.	0.3	8
3	Sedimentary structures and physical properties of travertine and carbonate tufa building stone. <i>Construction and Building Materials</i> , 2012, 28, 456-467.	3.2	89
4	Influence of water content and anisotropy on the strength and deformability of low porosity meta-sedimentary rocks under triaxial compression. <i>Engineering Geology</i> , 2012, 126, 46-66.	2.9	165
5	Determination of strength parameters and quality assessment of Denizli travertines (SW Turkey). <i>Engineering Geology</i> , 2012, 129-130, 38-47.	2.9	32
6	Water vapor sorption and its mechanical effect on clay-bearing conglomerate selected from China. <i>Engineering Geology</i> , 2012, 141-142, 1-8.	2.9	28
7	Effects of Rock Classes and Porosity on the Relation between Uniaxial Compressive Strength and Some Rock Properties for Carbonate Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2012, 45, 113-122.	2.6	84
8	Non-destructive microtomography-based imaging and measuring laboratory-induced degradation of travertine, a random heterogeneous geomaterial used in urban heritage. <i>Environmental Earth Sciences</i> , 2013, 69, 1471-1480.	1.3	11
9	Evolution in the use of natural building stone in Madrid, Spain. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2013, 46, 421-429.	0.8	46
10	Empirical Correlations for Predicting Strength Properties of Rocks from P-Wave Velocity Under Different Degrees of Saturation. <i>Rock Mechanics and Rock Engineering</i> , 2013, 46, 981-999.	2.6	127
11	Specific surface area and salt weathering of limestones: a laboratory study. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2013, 46, 477-484.	0.8	3
12	Evaluation of stone durability using a combination of ultrasound, mechanical and accelerated aging tests. <i>Journal of Geophysics and Engineering</i> , 2013, 10, 035003.	0.7	49
13	Durability assessment of natural stone. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2013, 46, 377-390.	0.8	46
14	Geomechanical and water vapor absorption characteristics of clay-bearing soft rocks at great depth. <i>International Journal of Mining Science and Technology</i> , 2014, 24, 811-818.	4.6	18
15	Relationship between Pore Size Distribution and Mechanical Properties of Porous Sedimentary Rocks. <i>Advanced Materials Research</i> , 0, 905, 207-211.	0.3	7
16	Mechanical Characterization of Building Stones through DT and NDT Tests: Research of Correlations for the <i>In Situ</i> Analysis of Ancient Masonry. <i>Key Engineering Materials</i> , 2014, 628, 85-89.	0.4	6
17	Biaxial compression creep test on green-schist considering the effects of water content and anisotropy. <i>KSCE Journal of Civil Engineering</i> , 2014, 18, 103-112.	0.9	18
18	Petrophysical properties and durability of granites employed as building stone: a comprehensive evaluation. <i>Bulletin of Engineering Geology and the Environment</i> , 2014, 73, 569-588.	1.6	51

#	ARTICLE	IF	CITATIONS
19	General material properties of Denizli (SW Turkey) travertines as a building stone. <i>Bulletin of Engineering Geology and the Environment</i> , 2014, 73, 825-838.	1.6	9
20	Water absorption process effect on strength of Ayazini tuff, such as the uniaxial compressive strength (UCS), flexural strength and freeze and thaw effect. <i>Environmental Earth Sciences</i> , 2014, 71, 4247-4259.	1.3	29
21	Experimental study to evaluate the effect of travertine structure on the physical and mechanical properties of the material. <i>Arabian Journal of Geosciences</i> , 2015, 8, 8975-8985.	0.6	19
22	Engineering properties of a low-grade metamorphic limestone. <i>Engineering Geology</i> , 2015, 193, 348-362.	2.9	4
23	The influence of cyclic wetting and drying on the fracture toughness of sandstone. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2015, 78, 331-335.	2.6	105
24	Compressive behaviour of brick masonry triplets in wet and dry conditions. <i>Construction and Building Materials</i> , 2015, 82, 45-52.	3.2	38
25	Evaluation of strength parameters and quality assessment of different lithotype levels of Edremit (Van) Travertine (Eastern Turkey). <i>Journal of African Earth Sciences</i> , 2015, 106, 108-117.	0.9	14
26	The influence of the water saturation on the strength of volcanic tuffs used as building stones. <i>Environmental Earth Sciences</i> , 2015, 74, 3223-3239.	1.3	20
27	Ultrasonic pulse velocity for the evaluation of physical and mechanical properties of a highly porous building limestone. <i>Ultrasonics</i> , 2015, 60, 33-40.	2.1	78
28	Physical and hydraulic properties of modern sinter deposits: El Tatio, Atacama. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 325, 156-168.	0.8	22
29	Geotechnical handicap of travertine with different lithotype levels as foundation material. <i>Journal of the Geological Society of India</i> , 2016, 88, 799-807.	0.5	2
30	Weakening laws of rock uniaxial compressive strength with consideration of water content and rock porosity. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	25
31	Assessment of marine and urban-industrial environments influence on built heritage sandstone using X-ray fluorescence spectroscopy and complementary techniques. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 123, 76-88.	1.5	23
32	Pore structure characteristics and permeability of deep sedimentary rocks determined by mercury intrusion porosimetry. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 670-676.	1.1	47
33	Geotechnical characterization of limestones employed for the reconstruction of a UNESCO world heritage Baroque monument in southeastern Sicily (Italy). <i>Engineering Geology</i> , 2016, 212, 86-97.	2.9	52
34	Influences of petrographic and textural properties on the strength of very strong granitic rocks. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	14
35	Effect of cyclic wetting and drying on the pure mode II fracture toughness of sandstone. <i>Engineering Fracture Mechanics</i> , 2016, 153, 143-150.	2.0	73
36	Influence of fracture system on the exploitation of building stones: the case of the Mondim de Basto granite (north Portugal). <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	18

#	ARTICLE	IF	CITATIONS
37	Influence of Water Content on the Mechanical Behaviour of Limestone: Role of the Clay Minerals Content. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 2033-2042.	2.6	87
38	Prediction of uniaxial compressive strength of intact rocks using ultrasonic pulse velocity and rebound-hammer number. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2016, 49, 67-75.	0.8	29
39	Engineering properties and durability of limestones used in Persepolis complex, Iran, against acid solutions. <i>Bulletin of Engineering Geology and the Environment</i> , 2016, 75, 967-978.	1.6	23
40	Water effects on rock strength and stiffness degradation. <i>Acta Geotechnica</i> , 2016, 11, 713-737.	2.9	223
41	Investigation of saturation effect on the relationship between compressive strength and Schmidt hammer rebound. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 1143-1152.	1.6	17
42	Some carbonate rock texture effects on mechanical behavior, based on Koohrang tunnel data, Iran. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 295-307.	1.6	27
43	Experimental investigation on the effect of wetting-drying cycles on mixed mode fracture toughness of sandstone. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2017, 93, 242-249.	2.6	74
44	Combining non-invasive techniques for reliable prediction of soft stone strength in historic masonries. <i>Construction and Building Materials</i> , 2017, 146, 744-754.	3.2	22
45	Establishing Empirical Relationships for the Effects of Water Content on the Mechanical Behavior of Gosford Sandstone. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 2235-2242.	2.6	67
46	The Neapolitan Yellow Tuff: An outstanding example of heterogeneity. <i>Construction and Building Materials</i> , 2017, 136, 361-373.	3.2	38
47	Relationship between density, compressive strength, tensile strength and aggregate properties of andesites from Hungary. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	20
48	Impacts of karst phenomena on engineering properties of limestone foundation bed, Ar Riyadh, Saudi Arabia. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	11
49	Prediction of weathering by thermal degradation of a coarse-grained marble using ultrasonic pulse velocity. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	20
50	Water absorption and P-wave velocity changes during freeze-thaw weathering process of crosscut travertine rocks. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	21
51	Rock fabric heterogeneity and its influence on the petrophysical properties of a building limestone: Lede stone (Belgium) as an example. <i>Engineering Geology</i> , 2017, 216, 31-41.	2.9	22
52	Failure Behavior of Granite Affected by Confinement and Water Pressure and Its Influence on the Seepage Behavior by Laboratory Experiments. <i>Materials</i> , 2017, 10, 798.	1.3	12
53	Impact of salt and frost weathering on the physical and durability properties of travertines and carbonate tufas used as building material. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	38
54	Generic transformation models for some intact rock properties. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1702-1741.	1.4	26

#	ARTICLE	IF	CITATIONS
55	The effects of water on the strength of black sandstone in a brittle regime. <i>Engineering Geology</i> , 2018, 239, 167-178.	2.9	105
56	Variable selection and prediction of uniaxial compressive strength and modulus of elasticity by random forest. <i>Applied Soft Computing Journal</i> , 2018, 70, 980-987.	4.1	103
57	The quantification of total and effective porosities in travertines using PIA and saturation-buoyancy methods and the implication for strength and durability. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 1739-1751.	1.6	10
58	Assessment of brittleness and empirical correlations between physical and mechanical parameters of the Asmari limestone in Khersan 2Adam site, in southwest of Iran. <i>Journal of African Earth Sciences</i> , 2018, 138, 124-132.	0.9	20
59	Water Saturation Influences on Engineering Properties of Selected Sedimentary Rocks of Pakistan. <i>Journal of Mining Science</i> , 2018, 54, 914-930.	0.1	10
60	Influence of Water Content on the Mechanical Parameters of the Intact Rock and Rock Mass. <i>Periodica Polytechnica: Civil Engineering</i> , 0, , .	0.6	8
61	Determining the degree of saturation of rocks as a function of time: A case study from mountainous area of Turkey. <i>Journal of Mountain Science</i> , 2018, 15, 2307-2319.	0.8	4
62	Assessing the empirical correlations between engineering properties and P wave velocity of some sedimentary rock samples from Damghan, northern Iran. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	13
63	On the reliability of experimental data in the geomechanical characterization of dimension stones. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2018, 51, 193-201.	0.8	2
64	Determination of critical saturation degree in rocks based on maximum loss of uniaxial compression strength and deformation modulus. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2018, 4, 343-353.	1.3	6
65	Effects of drilling fluids on the strength properties of clay-bearing rocks. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	8
66	Comparison of Mechanical Properties of Dry, Saturated and Frozen Porous Rocks. , 2019, , 113-118.		5
67	Evaluation of Engineering Properties of Some Carbonate Rocks Trough Corrected Texture Coefficient. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 599-614.	0.8	18
68	Experimental Study on Water Absorption and Weakening of Silurian Argillite. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 3881-3890.	0.8	3
69	In situ investigation of stone heritage sites for conservation purposes: a case study of the Szkesfehr Ruin Garden in Hungary. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	1.1	23
70	Experimental Study of the Effect of High Temperature on the Mechanical Properties of Coarse Sandstone. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2424.	1.3	30
71	Influence of cyclic wetting–drying on the mechanical strength characteristics of coal samples: A laboratory–scale study. <i>Energy Science and Engineering</i> , 2019, 7, 3020-3037.	1.9	31
72	Water-Weakening Effects on the Mechanical Behavior of Different Rock Types: Phenomena and Mechanisms. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4450.	1.3	98

#	ARTICLE	IF	CITATIONS
73	Experimental Study on Mixed Mode Fracture Behavior of Sandstone under Water-Rock Interactions. Processes, 2019, 7, 70.	1.3	19
74	Quantitative analysis of the influence of saturation on rock strength reduction considering the distribution of water. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2019, 5, 197-207.	1.3	14
75	Stone consolidation with SiO ₂ nanoparticles: Effects on a high porosity limestone. Construction and Building Materials, 2019, 219, 154-163.	3.2	16
76	Triaxial Loading and Unloading Tests on Dry and Saturated Sandstone Specimens. Applied Sciences (Switzerland), 2019, 9, 1689.	1.3	12
77	Mineralogical, Textural and Physical Characterisation to Determine Deterioration Susceptibility of Irulegi Castle Lime Mortars (Navarre, Spain). Materials, 2019, 12, 584.	1.3	11
78	Evaluation of the mechanical degradation of carbonate aggregate by rock strength tests. Journal of Rock Mechanics and Geotechnical Engineering, 2019, 11, 121-134.	3.7	20
79	A Contribution to the Geological Characterization of a Potential Caprock-Reservoir System in the Sulcis Coal Basin (South-Western Sardinia). Energies, 2019, 12, 4524.	1.6	6
80	An experimental investigation of fracturing fluids on physico-mechanical damage properties of carbonates in block Shunbei. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023, 45, 11060-11081.	1.2	0
81	Analytical Model for Predicting the UCS from P-Wave Velocity, Density, and Porosity on Saturated Limestone. Applied Sciences (Switzerland), 2019, 9, 5265.	1.3	21
82	Estimation of uniaxial compressive strength of pyroclastic rocks (Cappadocia, Turkey) by gene expression programming. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	22
84	Estimating compressive and flexural strength of travertines with respect to laminae-orientation by geomechanical properties. Bulletin of Engineering Geology and the Environment, 2019, 78, 1451-1470.	1.6	4
85	Weakening effects of the presence of water on the brittleness of hard sandstone. Bulletin of Engineering Geology and the Environment, 2019, 78, 1471-1483.	1.6	42
86	Durability assessment of Gerdoi and red travertines from Azarshahr, East Azerbaijan province, Iran. Bulletin of Engineering Geology and the Environment, 2019, 78, 1683-1695.	1.6	16
87	Evaluation of Interactions Between Oilfield Chemicals and Reservoir Rocks. Natural Resources Research, 2020, 29, 1239-1258.	2.2	9
88	Effect of water saturation on strength and deformability of building calcarenite stones: Correlations with their physical properties. Construction and Building Materials, 2020, 232, 117259.	3.2	30
89	Prediction of Carbonate Aggregates Properties Through Physical Tests. Geotechnical and Geological Engineering, 2020, 38, 2169-2186.	0.8	6
90	Impact of water on peak and residual shear strength parameters and triaxial deformability of high-porosity building calcarenite stones: Interconnection with their physical and petrological characteristics. Construction and Building Materials, 2020, 262, 120789.	3.2	23
91	Evaluation of mechanical weakening of calcarenite building stones due to environmental relative humidity using the vapour equilibrium technique. Engineering Geology, 2020, 278, 105849.	2.9	19

#	ARTICLE	IF	CITATIONS
92	Experimental and theoretical study on the compression characteristics of dry/water-saturated sandstone under different deformation rates. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	7
93	Water saturation effects on dynamic behavior and microstructure damage of sandstone: Phenomena and mechanisms. <i>Engineering Geology</i> , 2020, 276, 105760.	2.9	106
94	Long term wetting characteristics and saturation induced strength reduction of some igneous rocks. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	10
95	An Assessment of Pore Size Distribution Changes of the Andesite (Ä°scehisar, Turkey) Used as Building Stone of Cultural Heritages in Relation to the Artificial Accelerated Ageing Factors. <i>Geoheritage</i> , 2020, 12, 1.	1.5	5
96	Strength and abrasive properties of andesite: relationships between strength parameters measured on cylindrical test specimens and micro-Deval valuesâ€”a tool for durability assessment. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, , 1.	1.6	12
97	Influence of water on mechanical behavior of surrounding rock in hard-rock tunnels: An experimental simulation. <i>Engineering Geology</i> , 2020, 277, 105816.	2.9	53
98	Water Saturation Effects on Mechanical and Fracture Behavior of Marble. <i>International Journal of Geomechanics</i> , 2020, 20, .	1.3	23
99	An experimental and numerical investigation on the hydromechanical behaviour of carbonate fault zones upon reactivation: the impact of carbonate mud sealing layers and overall research outcomes. <i>Geological Society Special Publication</i> , 2020, 496, 39-73.	0.8	1
100	Water-induced variations in dynamic behavior and failure characteristics of sandstone subjected to simulated geo-stress. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 130, 104339.	2.6	77
101	Inconsistency of changes in uniaxial compressive strength and P-wave velocity of sandstone after temperature treatments. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 143-153.	3.7	40
102	Statistical analysis of geological factors controlling bed-bounded fracture density in heterolithic shale reservoirs: The example of the Woodford Shale Formation (Oklahoma, USA). <i>Journal of Petroleum Science and Engineering</i> , 2021, 200, 108237.	2.1	3
103	Cyclic Dryingâ€”Wetting Effect on Shear Behaviors of Red Sandstone Fracture. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 2595-2613.	2.6	19
104	Scale Effect and Correlation between Uniaxial Compressive Strength and Point Load Index for Limestone and Travertine. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3672.	1.3	1
105	Empirical Estimation of Uniaxial Compressive Strength of Rock: Database of Simple, Multiple, and Artificial Intelligence-Based Regressions. <i>Geotechnical and Geological Engineering</i> , 2021, 39, 4427-4455.	0.8	23
106	Lithological Control on the Estimation of Uniaxial Compressive Strength by the P-Wave Velocity Using Supervised and Unsupervised Learning. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 3175-3191.	2.6	35
107	Freezeâ€”Thaw and Salt Crystallization Durability of Silica Acid Ester Consolidated Porous Limestone from Hungary. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 824.	0.8	4
108	The influence of argillaceous content in carbonate rocks on the 3D modeling and characterization of tectonic fracture parametersâ€”example from the carboniferous and ordovician formations in the hetianhe gas field, Tarim Basin, NW China. <i>Journal of Petroleum Science and Engineering</i> , 2021, 203, 108668.	2.1	3
109	Determination of the geomechanical and chemical properties of carbonate rocks along Najran, Sharourah District, Saudi Arabia: implications for construction and industrial purposes. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	6

#	ARTICLE	IF	CITATIONS
110	The susceptibility to degradation of stone materials used in the built heritage of the Ortygia island (Syracuse, Italy): A laboratory study. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 146, 104877.	2.6	10
111	Denizli Travertenlerinde P ve S Dalga Hızları ile Bazı Fiziksel ve Tek Eksenli Sıkıştırma Dayanım Özellikleri Arasındaki İlişkilerin Araştırılması. <i>Journal of Polytechnic</i> , 0, , .	0.4	1
113	Influence of Humidity on the Energy of Specific Strain in the Process of Loading Sedimentary Rocks. <i>Studia Geotechnica Et Mechanica</i> , 2019, 41, 223-230.	0.2	1
114	Prediction of The Uniaxial Compressive Strength of Rocks Materials. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2018, , 31-96.	0.2	9
115	Estimation of Unconfined Compressive Strength (UCS) of Carbonate Rocks by Index Mechanical Tests and Specimen Size Properties: Central Alborz Zone of Iran. <i>Rock Mechanics and Rock Engineering</i> , 0, , 1.	2.6	4
116	An Investigation on the Bursting Liability of Oxidized Coal and the Coupling Mechanism of Rock Burst and Spontaneous Combustion. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 317-340.	2.6	3
117	A Study on Decreasing Behavior of Strength & Elastic Parameters due to Water Infiltration in Rock Cores (I). <i>Journal of the Korean Geotechnical Society</i> , 2012, 28, 69-83.	0.1	1
118	Characterization of the geomechanical properties of Oligocene clay in Budapest. <i>Central European Geology</i> , 2012, 55, 241-258.	0.4	1
119	A Study on Decreasing Behavior of Strength & Elastic Parameters due to Water Infiltration in Rock Cores (II). <i>Journal of the Korean Geotechnical Society</i> , 2012, 28, 87-99.	0.1	2
120	Introduction of a new testing method (horizontal sorption) for the in-situ analysis of water absorption by porous stone surfaces and effect of surface treatments. <i>Central European Geology</i> , 2014, 57, 213-228.	0.4	0
122	Interaction Between Water and Soft Rocks. , 2020, , 235-249.		1
123	The Negative Role of some Internal and External Factors (Pores, Heat, Pressure, and Internal Grains) in the Deterioration of Sandstone Building: An Applied Study on the Lower Walls of the Luxor Temple. <i>MaÇşallatı Kulliyatı Al-Ahli Bi-Qina- Çi Amiriye Çi Anab Al-Wadi</i> , 2020, 15, 1-32.	0.0	0
124	Application of Gradient Boosting Machine Learning Algorithms to Predict Uniaxial Compressive Strength of Soft Sedimentary Rocks at Thar Coalfield. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-19.	0.4	24
125	Modelling and estimation of Wide Wheel abrasion values of building stones by multivariate regression and artificial neural network analyses. <i>Journal of Building Engineering</i> , 2022, 45, 103443.	1.6	8
126	Applying different soft computing methods to predict mechanical properties of carbonate rocks based on petrographic and physical properties. <i>Earth Science Informatics</i> , 2022, 15, 351-368.	1.6	1
127	Ultrasonic Properties of a Stone Architectural Heritage and Weathering Evaluations Based on Provenance Site. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1498.	1.3	4
128	Investigation of the effect of petrological contents on the engineering properties of carbonates aggregates. <i>Engineering Geology</i> , 2022, 298, 106507.	2.9	4
129	Development of modified scaling swelling model for the prediction of shale swelling. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	7

#	ARTICLE	IF	CITATIONS
130	Prediction of uniaxial compressive strength and modulus of elasticity for Travertine samples using an explainable artificial intelligence. Results in Geophysical Sciences, 2021, 8, 100034.	0.4	15
132	Assessments on the material properties of the Pietraforte stone of Florence (Italy) in conservation, restoration and construction. Case Studies in Construction Materials, 2022, 16, e00986.	0.8	3
133	A Study on the Strain-Softening Constitutive Model of Cementitious Sandstone. Water (Switzerland), 2022, 14, 1309.	1.2	1
134	Investigation of a suitable porous stone for the restoration work on the Acropolis circuit wall. Construction and Building Materials, 2022, 335, 127522.	3.2	0
135	Influence of grain size or anisotropy on the correlation between uniaxial compressive strength and sound velocity. Bulletin of Engineering Geology and the Environment, 2022, 81, .	1.6	1
136	Nondestructive rock porosity estimation by InfraRed Thermography applied to natural stones. Construction and Building Materials, 2022, 342, 127950.	3.2	8
137	Investigation of the anisotropic structure of travertine in terms of geological and physico-mechanical properties: Sarıhacıoğlu (Avanos-Nevşehir) travertine quarry. Environmental Earth Sciences, 2022, 81, .	1.3	2
138	Rock Strength Estimation Using Several Tree-Based ML Techniques. CMES - Computer Modeling in Engineering and Sciences, 2022, .	0.8	11
139	Estimating strength parameters of Lower Gondwana coal measure rocks under dry and saturated conditions. Journal of Earth System Science, 2022, 131, .	0.6	6
140	New rock strength-based UCS-V _u correlation equation for different rock types by statistical regression methods. Geomechanics for Energy and the Environment, 2022, 22, 100402.	1.2	0
141	The influence of water-stress loading sequences on the creep behavior of granite. Bulletin of Engineering Geology and the Environment, 2022, 81, .	1.6	42
142	Influence of Water on the Mechanical Properties and Failure Behaviors of Sandstone Under Triaxial Compression. Rock Mechanics and Rock Engineering, 2023, 56, 1131-1162.	2.6	46
143	Degradation response of mode I and mode III fracture resistance of sandstone under wetting-drying cycles with an acidic solution. Theoretical and Applied Fracture Mechanics, 2022, 122, 103661.	2.1	8
144	A Study of Constitutive Model of Rock Damage under the Joint Effect of Load and Moisture. Applied Sciences (Switzerland), 2023, 13, 1224.	1.3	1
145	Shear behavior and fracturing mechanism of intact sandstone affected by spatio-temporally varying water. Computers and Geotechnics, 2023, 155, 105200.	2.3	2
146	Experimental study on mode I and mode II fracture properties of heated sandstone after two different cooling treatments. Geomechanics for Energy and the Environment, 2023, 34, 100448.	1.2	8
147	Determining Dry and Saturated Strength of Rocks by Using the Schmidt Hammer. , 0, , .		2
148	An Experimental Study of Water Saturation Effect on Chipping Efficiency of a Chisel Pick in Cutting Some Low- and Medium-Strength Rocks. Rock Mechanics and Rock Engineering, 2023, 56, 4507-4533.	2.6	3

#	ARTICLE	IF	CITATIONS
149	Mechanical deterioration effect and damage evolution characteristics of soft sandstone with different water-immersed heights under uniaxial compression. Bulletin of Engineering Geology and the Environment, 2023, 82, .	1.6	2
150	Predicting the chemo-thermo-hydro-mechanical behaviors of cement stabilized rammed earth materials from the design stage. Materials and Structures/Materiaux Et Constructions, 2023, 56, .	1.3	0
154	The effect of effective stress on pore pressure and velocity relationship in tectonic mechanism. AIP Conference Proceedings, 2023, , .	0.3	0