

# Vassilis Marinos

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,090  
citations

623734

14  
h-index

414414

32  
g-index

41  
all docs

41  
docs citations

41  
times ranked

912  
citing authors

#	ARTICLE	IF	CITATIONS
1	The geological strength index: applications and limitations. Bulletin of Engineering Geology and the Environment, 2005, 64, 55-65.	3.5	339
2	Variability of the engineering properties of rock masses quantified by the geological strength index: the case of ophiolites with special emphasis on tunnelling. Bulletin of Engineering Geology and the Environment, 2006, 65, 129-142.	3.5	99
3	Anisotropic behaviour of stratified rock masses in tunnelling. Engineering Geology, 2012, 141-142, 74-83.	6.3	92
4	Rockfall hazard and risk assessment: an example from a high promontory at the historical site of Monemvasia, Greece. Natural Hazards and Earth System Sciences, 2012, 12, 1823-1836.	3.6	60
5	Maintaining geological reality in application of GSI for design of engineering structures in rock. Engineering Geology, 2018, 239, 282-297.	6.3	57
6	Geological Strength Index (GSI). A characterization tool for assessing engineering properties for rock masses. , 2007, , 13-21.		56
7	Object-Based Analysis Using Unmanned Aerial Vehicles (UAVs) for Site-Specific Landslide Assessment. Remote Sensing, 2020, 12, 1711.	4.0	45
8	Tunnel behaviour and support associated with the weak rock masses of flysch. Journal of Rock Mechanics and Geotechnical Engineering, 2014, 6, 227-239.	8.1	41
9	A revised, geotechnical classification GSI system for tectonically disturbed heterogeneous rock masses, such as flysch. Bulletin of Engineering Geology and the Environment, 2019, 78, 899-912.	3.5	39
10	Umbrella Arch Nomenclature and Selection Methodology for Temporary Support Systems for the Design and Construction of Tunnels. Geotechnical and Geological Engineering, 2014, 32, 97-130.	1.7	24
11	Tunnel behaviour associated with the weak Alpine rock masses of the Driskos Twin Tunnel system, Egnatia Odos Highway. Canadian Geotechnical Journal, 2013, 50, 91-120.	2.8	19
12	Predicting the average size of blasted rocks in aggregate quarries using artificial neural networks. Bulletin of Engineering Geology and the Environment, 2019, 78, 2717-2729.	3.5	18
13	Automated 3D Jointed Rock Mass Structural Analysis and Characterization Using LiDAR Terrestrial Laser Scanner for Rockfall Susceptibility Assessment: Perissa Area Case (Santorini). Geotechnical and Geological Engineering, 2020, 38, 3007-3024.	1.7	18
14	Landslide Hazard and Risk Assessment for a Natural Gas Pipeline Project: The Case of the Trans Adriatic Pipeline, Albania Section. Geosciences (Switzerland), 2019, 9, 61.	2.2	15
15	Ground Information and Selection of TBM for the Thessaloniki Metro, Greece. Environmental and Engineering Geoscience, 2008, 14, 17-30.	0.9	14
16	Assessment of ground conditions with respect to mechanised tunnelling for the construction of the extension of the Athens Metro to the city of Piraeus. Bulletin of Engineering Geology and the Environment, 2009, 68, 17-26.	3.5	14
17	Ground fissures in the area of Mavropigi Village (N. Greece): Seismotectonics or mining activity?. Acta Geophysica, 2014, 62, 1387-1412.	2.0	14
18	Determining the principles of tunnel support based on the engineering geological behaviour types: example of a tunnel in tectonically disturbed heterogeneous rock in Serbia. Bulletin of Engineering Geology and the Environment, 2019, 78, 2887-2902.	3.5	13

#	ARTICLE	IF	CITATIONS
19	3D HAZARD ANALYSIS AND OBJECT-BASED CHARACTERIZATION OF LANDSLIDE MOTION MECHANISM USING UAV IMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 425-430.	0.2	12
20	“Tunnel Information and Analysis System” A Geotechnical Database for Tunnels. Geotechnical and Geological Engineering, 2013, 31, 891-910.	1.7	10
21	Putting Geological Focus Back into Rock Engineering Design. Rock Mechanics and Rock Engineering, 2020, 53, 4487-4508.	5.4	10
22	Evaluation of Machine Learning Algorithms for Object-Based Mapping of Landslide Zones Using UAV Data. Geosciences (Switzerland), 2021, 11, 305.	2.2	10
23	Evolution of underground aqueducts in the Hellenic world. Water Science and Technology: Water Supply, 2016, 16, 1159-1177.	2.1	8
24	UAV-Based Evaluation of Rockfall Hazard in the Cultural Heritage Area of Kipinas Monastery, Greece. Applied Sciences (Switzerland), 2021, 11, 8946.	2.5	8
25	Engineering geological mapping of earthquake-induced landslides in South Lefkada Island, Greece: evaluation of the type and characteristics of the slope failures. Environmental Earth Sciences, 2018, 77, 1.	2.7	7
26	Room and Pillar Design and Construction for Underground Coal Mining in Greece. Geotechnical and Geological Engineering, 2019, 37, 1729-1742.	1.7	7
27	Beyond the boundaries of feasible engineering geological solutions: stability considerations of the spectacular Red Beach cliffs on Santorini Island, Greece. Environmental Earth Sciences, 2017, 76, 1.	2.7	6
28	An engineering geological database for managing, planning and protecting intelligent cities: The case of Thessaloniki city in Northern Greece. Engineering Geology, 2022, 301, 106617.	6.3	6
29	Permeability in flysch “ Distribution decrease with depth and grout curtains under dams. Journal of Mountain Science, 2011, 8, 234-238.	2.0	5
30	Selection of TBM and geotechnical assessment of a microtunnel in a difficult geological environment: a case of a natural gas pipeline beneath an active landslide (Albania). Bulletin of Engineering Geology and the Environment, 2019, 78, 1795-1813.	3.5	5
31	3D modelling of the ancient underground quarries of the famous Parian marble in the Aegean Sea, Greece and assessment of their stability using LiDAR scanning. Quarterly Journal of Engineering Geology and Hydrogeology, 2019, 52, 61-73.	1.4	4
32	Integrating uncertainty into geotechnical design of underground openings in tectonically undisturbed but lithologically varied sedimentary environments. Tunnelling and Underground Space Technology, 2021, 113, 103979.	6.2	4
33	Multitemporal Landslide Mapping and Quantification of Mass Movement in Red Beach, Santorini Island Using Lidar and UAV Platform. , 2019, , 163-169.		2
34	Engineering Geology and Tunnels. , 2020, , .		1
35	Development of the coseismic landslide susceptibility map of the island of Lefkada, Greece. Environmental Earth Sciences, 2021, 80, 1.	2.7	1
36	Brittle-Ductile Transition and Hoek’s “Brown mi Constant of Low-Porosity Carbonate Rocks. Geotechnical and Geological Engineering, 0, , 1.	1.7	1

#	ARTICLE	IF	CITATIONS
37	The geological strength index: applications and limitations. , 2005, 64, 55.		1
38	Assessment on the Engineering Geological Conditions of the Eastern Urban Area of Thessaloniki Basin, in Northern Greece, Using a Geotechnical Database. , 2019, , 103-111.		0
39	Engineering Geological Appreciation in Landslide Mapping for a Natural Gas Pipeline Project: Challenges and Risk Reduction Measures. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 239-267.	0.3	0