

# Elena Blanco-Fernandez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5750703/publications.pdf>

Version: 2024-02-01

20  
papers

285  
citations

933447

10  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Borehole thermal response and thermal resistance of four different grouting materials measured with a TRT. <i>Applied Thermal Engineering</i> , 2013, 53, 13-20.	6.0	59
2	Optimisation of 3D printed concrete for artificial reefs: Biofouling and mechanical analysis. <i>Construction and Building Materials</i> , 2021, 272, 121649.	7.2	38
3	Energy Dissipating Devices in Falling Rock Protection Barriers. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 603-619.	5.4	34
4	Flexible systems anchored to the ground for slope stabilisation: Critical review of existing design methods. <i>Engineering Geology</i> , 2011, 122, 129-145.	6.3	27
5	Field measurements of anchored flexible systems for slope stabilisation: Evidence of passive behaviour. <i>Engineering Geology</i> , 2013, 153, 95-104.	6.3	16
6	Use of explicit FEM models for the structural and parametrical analysis of rockfall protection barriers. <i>Engineering Structures</i> , 2018, 166, 212-226.	5.3	16
7	Non-linear analysis of cable networks by FEM and experimental validation. <i>International Journal of Computer Mathematics</i> , 2009, 86, 301-313.	1.8	13
8	Flexible membranes anchored to the ground for slope stabilisation: Numerical modelling of soil slopes using SPH. <i>Computers and Geotechnics</i> , 2016, 78, 1-10.	4.7	13
9	Comparison of the adhesion and shear tensile strength of needle-punched GCLs. <i>Geotextiles and Geomembranes</i> , 2013, 41, 17-25.	4.6	11
10	New launching method for steel bridges based on a self-supporting deck system: FEM and DOE analyses. <i>Automation in Construction</i> , 2014, 44, 183-196.	9.8	11
11	Behaviour of geotextiles designed for pervious pavements as a support for biofilm development. <i>Geotextiles and Geomembranes</i> , 2015, 43, 139-147.	4.6	10
12	Artificial reefs in the North “East Atlantic area: Present situation, knowledge gaps and future perspectives. <i>Ocean and Coastal Management</i> , 2021, 213, 105854.	4.4	7
13	Energy harvesting from vehicular traffic over speed bumps: a review. <i>Proceedings of Institution of Civil Engineers: Energy</i> , 2018, 171, 58-69.	0.6	6
14	Laboratory Assessment of Water Permeability Loss of Geotextiles Due to Their Installation in Pervious Pavements. <i>Water (Switzerland)</i> , 2020, 12, 1473.	2.7	5
15	Numerical and experimental study of a new type of clip for joining cables. <i>Engineering Structures</i> , 2012, 44, 107-121.	5.3	4
16	Design of a new energy dissipating device and verification for use in rockfall protection barriers. <i>Engineering Structures</i> , 2019, 199, 109633.	5.3	4
17	Design and Evaluation of Two Laboratory Tests for the Nets of a Flexible Anchored Slope Stabilization System. <i>Geotechnical Testing Journal</i> , 2009, 32, 315-324.	1.0	3
18	Decision aid system founded on nonlinear valuation, dispersion-based weighting and correlative aggregation for wire rope selection in slope stability cable nets. <i>Expert Systems With Applications</i> , 2016, 54, 148-154.	7.6	2

#	ARTICLE	IF	CITATIONS
19	Selection of membranes and linking method in slope stabilization systems for the reduction on the installation time using multi-criteria decision analysis. Ain Shams Engineering Journal, 2021, 12, 3471-3484.	6.1	2
20	3D numerical simulation of slope-flexible system interaction using a mixed FEM-SPH model. Ain Shams Engineering Journal, 2021, 13, 101592-101592.	6.1	2