

Enrico Zacchei

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

136
citations

1307594

7
h-index

1281871

11
g-index

21
all docs

21
docs citations

21
times ranked

75
citing authors

#	ARTICLE	IF	CITATIONS
1	Chloride diffusion assessment in RC structures considering the stress-strain state effects and crack width influences. <i>Construction and Building Materials</i> , 2019, 201, 100-109.	7.2	29
2	Optimization of energy consumptions of oxidation tanks in urban wastewater treatment plants with solar photovoltaic systems. <i>Journal of Environmental Management</i> , 2020, 276, 111353.	7.8	18
3	Reviewing Arch-Damsâ€™ Building Risk Reduction Through a Sustainabilityâ€™Safety Management Approach. <i>Sustainability</i> , 2020, 12, 392.	3.2	11
4	Multifactorial Chloride Ingress Model for Reinforced Concrete Structures Subjected to Unsaturated Conditions. <i>Buildings</i> , 2022, 12, 107.	3.1	11
5	Shape Optimization of Double-Arch Dams by Using Parameters Obtained Through Bayesian Estimators. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019, 43, 649-662.	1.9	9
6	Seismic hazard assessment of arch dams via dynamic modelling: an application to the Rules Dam in Granada, SE Spain. <i>International Journal of Civil Engineering</i> , 2019, 17, 323-332.	2.0	8
7	2D/3D Numerical Analyses of Corrosion Initiation in RC Structures Accounting Fluctuations of Chloride Ions by External Actions. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 2105-2120.	1.9	8
8	Seismic Hazard and Structural Analysis of the Concrete Arch Dam (Rules Dam on Guadalfeo River). <i>Procedia Engineering</i> , 2017, 199, 1332-1337.	1.2	7
9	Calibration of boundary conditions correlated to the diffusivity of chloride ions: An accurate study for random diffusivity. <i>Cement and Concrete Composites</i> , 2022, 126, 104346.	10.7	6
10	Pushover analysis for flexible and semi-flexible pile-supported wharf structures accounting the dynamic magnification factors due to torsional effects. <i>Structural Concrete</i> , 2020, 21, 2669-2688.	3.1	5
11	Nonlinear Degradation Analysis of Arch-Dam Blocks by Using Deterministic and Probabilistic Seismic Input. <i>Journal of Vibration Engineering and Technologies</i> , 2019, 7, 301-309.	2.2	4
12	Introducing importance factors (IFs) to estimate a dam's risk of collapse produced by seismic processes. <i>International Journal of Disaster Risk Reduction</i> , 2021, 60, 102311.	3.9	4
13	Artificial accelerograms to estimate damage of dams by using failure criteria. <i>Scientia Iranica</i> , 2018, .	0.4	4
14	Optimization of Geometric Parameters for Double-Arch Dams through Bayesian Implementation. <i>Journal of Structural Engineering</i> , 2020, 146, .	3.4	3
15	Estimation of optimal area and volume for double arch-dams. <i>MATEC Web of Conferences</i> , 2018, 211, 14002.	0.2	2
16	A new approach for physically based probabilistic seismic hazard analyses for Portugal. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	2
17	Direct Method to Design Solar Photovoltaics to Reduce Energy Consumption of Aeration Tanks in Wastewater Treatment Plants. <i>Infrastructures</i> , 2022, 7, 79.	2.8	2
18	Structural Health Monitoring of a Brazilian Concrete Bridge for Estimating Specific Dynamic Responses. <i>Buildings</i> , 2022, 12, 785.	3.1	2

#	ARTICLE	IF	CITATIONS
19	Damage estimation on concrete gravity dams through artificial accelerograms. MATEC Web of Conferences, 2018, 211, 14001.	0.2	1
20	Probabilistic Seismic Hazard Analysis for Andalusian Dams in Southern Spain Using New Seismogenic Zones. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2022, 8, .	1.7	0