

Ece Erdogmus

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

568
citations

687363

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41
all docs

41
docs citations

41
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of the in-plane structural behavior of unreinforced masonry walls and buildings using DEM. Structures, 2020, 27, 2274-2287.	3.6	67
2	Comparison of in-plane and out-of-plane failure modes of masonry arch bridges using discontinuum analysis. Engineering Structures, 2019, 178, 24-36.	5.3	57
3	Simulation of uniaxial tensile behavior of quasi-brittle materials using softening contact models in DEM. International Journal of Fracture, 2019, 217, 105-125.	2.2	45
4	Quasi-Static Nonlinear Seismic Assessment of a Fourth Century A.D. Roman Aqueduct in Istanbul, Turkey. Heritage, 2021, 4, 401-421.	1.9	39
5	Discontinuum analysis of the fracture mechanism in masonry prisms and wallettes via discrete element method. Meccanica, 2020, 55, 505-523.	2.0	38
6	Use of Fiber-Reinforced Cements in Masonry Construction and Structural Rehabilitation. Fibers, 2015, 3, 41-63.	4.0	35
7	Study of the effect of construction techniques on the seismic capacity of ancient dry-joint masonry towers through DEM. European Journal of Environmental and Civil Engineering, 2020, , 1-18.	2.1	24
8	Stochastic discontinuum analysis of unreinforced masonry walls: Lateral capacity and performance assessments. Engineering Structures, 2021, 238, 112175.	5.3	24
9	Parametric Study on Masonry Arches Using 2D Discrete-Element Modeling. Journal of Architectural Engineering, 2018, 24, .	1.6	22
10	In-plane structural performance of dry-joint stone masonry Walls: A spatial and non-spatial stochastic discontinuum analysis. Engineering Structures, 2021, 242, 112620.	5.3	22
11	Strengthening Two-Way Reinforced Concrete Floor Slabs Using Polypropylene Fiber Reinforcement. Journal of Materials in Civil Engineering, 2011, 23, 562-571.	2.9	17
12	Tensile Fracture Mechanism of Masonry Wallettes Parallel to Bed Joints: A Stochastic Discontinuum Analysis. Modelling, 2020, 1, 78-93.	1.4	16
13	In-Plane Static Response of Dry-Joint Masonry Arch-Pier Structures. , 2019, , .		16
14	Accuracy of Ground-Penetrating Radar for Concrete Pavement Thickness Measurement. Journal of Performance of Constructed Facilities, 2010, 24, 610-621.	2.0	15
15	Effects of spatial variability and correlation in stochastic discontinuum analysis of unreinforced masonry walls. Construction and Building Materials, 2022, 337, 127511.	7.2	14
16	Recommendations for Design of Reinforced Concrete Pipe. Journal of Pipeline Systems Engineering and Practice, 2010, 1, 25-32.	1.6	13
17	Advanced analysis of masonry retaining walls using mixed discrete-continuum approach. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2021, 174, 302-314.	1.6	12
18	Structural Appraisal of the Florentine Gothic Construction System. Journal of Architectural Engineering, 2007, 13, 9-17.	1.6	10

#	ARTICLE	IF	CITATIONS
19	Timbrel Domes of Guastavino: Nondestructive Assessments On A Half-Scale Model. International Journal of Architectural Heritage, 2008, 2, 330-352.	3.1	10
20	Strength of Spandrel Walls in Masonry Arch Bridges. Transportation Research Record, 2004, 1892, 47-55.	1.9	9
21	Numerical modeling of the tension stiffening in reinforced concrete members via discontinuum models. Computational Particle Mechanics, 2021, 8, 423-436.	3.0	9
22	Simulation of Masonry Arch Bridges Using 3D Discrete Element Modeling. RILEM Bookseries, 2019, , 871-880.	0.4	9
23	A Novel Structural Health Monitoring Method for Reinforced Concrete Bridge Decks Using Ultrasonic Guided Waves. Infrastructures, 2020, 5, 49.	2.8	7
24	Early Detection of Honeycombs in Concrete Pavement Using GPR. Journal of Performance of Constructed Facilities, 2021, 35, .	2.0	7
25	Horizontal Support Displacement of a Thin-Tile Masonry Dome: Experiments and Analysis. Journal of Performance of Constructed Facilities, 2015, 29, .	2.0	6
26	Compression, Tension, and Fracture Energy Properties of Compressed Cement-Stabilized Earth Blocks. Journal of Architectural Engineering, 2022, 28, .	1.6	6
27	Use of Ground Penetrating Radar for Accurate Concrete Thickness Measurements. , 2008, , .		4
28	Tornado-Resistant Residential Design Using Experimentally Obtained Characteristic Strength Values for Cement-Stabilized Earthen Masonry. Journal of Architectural Engineering, 2019, 25, .	1.6	4
29	Experiments and Analyses on a Timbrel Dome. , 2006, , 1.		2
30	Characteristics of PVA Fiber-Reinforced Mortars. , 2009, , .		2
31	Discrete Rigid Block Analysis to Assess Settlement Induced Damage in Unreinforced Masonry Façades. CivilEng, 2021, 2, 541-555.	1.4	2
32	Discrete-continuum approach to assess 3D failure modes of masonry arch bridges. IABSE Symposium Report, 2019, , .	0.0	2
33	Seismic Investigation for the Temple of Antioch Reconstruction. , 2011, , .		1
34	Design of Compressed Stabilized Earthen Wall Systems for High-Wind Resistant Residential Unit Construction. , 2015, , .		1
35	Evaluation of the Dynamic Behavior of Steel Staircases with Concrete-Filled Pan Treads. Journal of Architectural Engineering, 2021, 27, 04021010.	1.6	1
36	Modal Analyses on the Lateral Resistance System of the Auxerre Cathedral. , 2006, , 1.		0

#	ARTICLE	IF	CITATIONS
37	Ambient Environmental Effects on Experimental Modal Analysis. , 2008, , .		0
38	The Temple of Antioch: A Study Abroad Internship for Architectural Engineering Students. , 2011, , .		0