

Hassan Mirzabozorg

List of Publications by Year in descending order

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papers

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687363

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times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting ankle joint syndesmotic screw lifetime using finite element and fatigue analysis. <i>Journal of Orthopaedics, Trauma and Rehabilitation</i> , 2022, 29, 221049172210772.	0.1	0
2	Static and Dynamic Safety Evaluation of A Heightened Arch Dam Including Massed Foundation Effects. <i>Journal of Numerical Methods in Civil Engineering</i> , 2020, 4, 37-48.	0.3	0
3	Concrete fracture process modeling by combination of extended finite element method and smeared crack approach. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 101, 306-319.	4.7	19
4	Hydrodynamic pressures in contraction joints including waterstops on seismic response of high arch dams. <i>Structures</i> , 2018, 14, 1-14.	3.6	9
5	Validation and modification of extensometer results in Karun-4 double-curvature arch concrete dam. <i>Journal of Structural Integrity and Maintenance</i> , 2018, 3, 171-182.	1.5	2
6	Extensometers results correction in concrete dams: A case study in RCC Zhavveh Dam. <i>Structural Monitoring and Maintenance</i> , 2017, 4, 17-31.	1.7	1
7	Alkali Aggregate Reaction Effects on an Arch Dam Behaviour Including Simulation of Construction Stages and Contraction Joints. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2016, 26, 37-44.	0.8	1
8	Effect of Foundation Nonlinearity on Seismic Response of an Existing Arch Dam. <i>Civil Engineering Journal (Iran)</i> , 2016, 2, 197-207.	3.9	4
9	Developing numerical algorithm and a new program for simulating alkali aggregate reaction in mass concrete. <i>Journal of Numerical Methods in Civil Engineering</i> , 2016, 1, 1-8.	0.3	0
10	Impact of load combination on the stability analysis of an arch dam subjected to stochastic non-uniform excitations. <i>European Journal of Environmental and Civil Engineering</i> , 2015, 19, 263-277.	2.1	3
11	Evaluating Sensitivity of an AAR-Affected Concrete Arch Dam to the Effects of Structural Joints and Solar Radiation. <i>Strength of Materials</i> , 2015, 47, 341-354.	0.5	1
12	A Comparative Study of Rock Wedge Stability of an Arch Dam Abutment Subjected to Static and Seismic Loading. <i>Soil Mechanics and Foundation Engineering</i> , 2015, 52, 292-300.	0.7	6
13	Mathematical Modeling and Numerical Analysis of Thermal Distribution in Arch Dams considering Solar Radiation Effect. <i>Scientific World Journal</i> , The, 2014, 2014, 1-15.	2.1	19
14	Quantifying the Qualitative Limit-States Using IDA Approach in Concrete Arch Dams. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 7729-7740.	1.1	14
15	Estimation of probable damages in arch dams subjected to strong ground motions using endurance time acceleration functions. <i>KSCCE Journal of Civil Engineering</i> , 2014, 18, 574-586.	1.9	25
16	Structural safety evaluation of Karun III Dam and calibration of its finite element model using instrumentation and site observation. <i>Case Studies in Structural Engineering</i> , 2014, 1, 6-12.	1.6	12
17	Nonlinear Seismic Assessment of Arch Dams and Investigation of Joint Behavior Using Endurance Time Analysis Method. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 3599-3615.	1.1	8
18	Orthotropic Material and Anisotropic Damage Mechanics Approach for Numerically Seismic Assessment of Arch Dam-Reservoir-Foundation System. <i>Strength of Materials</i> , 2013, 45, 648-665.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Modeling time-dependent behavior of gas caverns in rock salt considering creep, dilatancy and failure. Tunnelling and Underground Space Technology, 2013, 33, 171-185.	6.2	77
20	A COMPARATIVE STUDY OF SEISMIC STABILITY OF COUPLED ARCH DAM-FOUNDATION-RESERVOIR SYSTEMS USING INFINITE ELEMENTS AND VISCOUS BOUNDARY MODELS. International Journal of Structural Stability and Dynamics, 2013, 13, 1350032.	2.4	35
21	Feasibility Study of Dez Arch Dam Heightening Based on Nonlinear Numerical Analysis of Existing Dam. Archives of Civil Engineering, 2013, 59, 21-49.	0.7	10
22	Strain-based seismic failure evaluation of coupled dam-reservoir-foundation system. Coupled Systems Mechanics, 2013, 2, 85-110.	0.4	8
23	A smeared crack model for seismic failure analysis of concrete gravity dams considering fracture energy effects. Structural Engineering and Mechanics, 2013, 48, 17-39.	1.0	33
24	Wave passage and incoherency effects on seismic response of high arch dams. Earthquake Engineering and Engineering Vibration, 2012, 11, 567-578.	2.3	18
25	Effects of near-fault ground motions in seismic performance evaluation of a symmetric arch dam. Soil Mechanics and Foundation Engineering, 2012, 49, 192-199.	0.7	27
26	Seismic behavior of three dimensional concrete rectangular containers including sloshing effects. Coupled Systems Mechanics, 2012, 1, 79-98.	0.4	6
27	Nonlinear Analysis of Concrete Structural Components Using Co-axial Rotating Smeared Crack Model. Journal of Applied Sciences, 2012, 12, 221-232.	0.3	6
28	Reservoir Fluctuation Effects on Seismic Response of High Concrete Arch Dams Considering Material Nonlinearity. Journal of Civil Engineering Research, 2012, 1, 9-20.	0.5	10
29	Dam-reservoir-massed foundation system and travelling wave along reservoir bottom. Soil Dynamics and Earthquake Engineering, 2010, 30, 746-756.	3.8	18
30	Nonlinear behavior of concrete gravity dams and effect of input spatially variation. Structural Engineering and Mechanics, 2010, 35, 365-377.	1.0	5
31	Numerical simulation of reservoir fluctuation effects on the nonlinear dynamic response of concrete arch dams. WIT Transactions on Engineering Sciences, 2010, , .	0.0	0
32	Damage mechanics approach and modeling nonuniform cracking within finite elements for safety evaluation of concrete dams in 3D space. Structural Engineering and Mechanics, 2009, 33, 31-46.	1.0	5
33	Dynamic analysis of rectangular liquid containers in three-dimensional space. Canadian Journal of Civil Engineering, 2006, 33, 501-507.	1.3	20
34	Non-linear behavior of mass concrete in three-dimensional problems using a smeared crack approach. Earthquake Engineering and Structural Dynamics, 2005, 34, 247-269.	4.4	96
35	Nonlinear seismic response of concrete gravity dams using damage mechanics including dam-reservoir interaction. , 2004, , 635-642.		0
36	Load Distribution Factors in Simply Supported Skew Bridges. Journal of Bridge Engineering, 2003, 8, 241-244.	2.9	51

#	ARTICLE	IF	CITATIONS
37	Creep and Dilatancy Behavior of Rock Salt around Underground Caverns. Advanced Materials Research, 0, 629, 418-422.	0.3	0