

Hassan Mirzabozorg

List of Publications by Year in descending order

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37
papers

552
citations

687363

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docs citations

37
times ranked

340
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Non-linear behavior of mass concrete in three-dimensional problems using a smeared crack approach. <i>Earthquake Engineering and Structural Dynamics</i> , 2005, 34, 247-269. | 4.4 | 96 |
| 2 | Modeling time-dependent behavior of gas caverns in rock salt considering creep, dilatancy and failure. <i>Tunnelling and Underground Space Technology</i> , 2013, 33, 171-185. | 6.2 | 77 |
| 3 | Load Distribution Factors in Simply Supported Skew Bridges. <i>Journal of Bridge Engineering</i> , 2003, 8, 241-244. | 2.9 | 51 |
| 4 | A COMPARATIVE STUDY OF SEISMIC STABILITY OF COUPLED ARCH DAM-FOUNDATION-RESERVOIR SYSTEMS USING INFINITE ELEMENTS AND VISCOUS BOUNDARY MODELS. <i>International Journal of Structural Stability and Dynamics</i> , 2013, 13, 1350032. | 2.4 | 35 |
| 5 | A smeared crack model for seismic failure analysis of concrete gravity dams considering fracture energy effects. <i>Structural Engineering and Mechanics</i> , 2013, 48, 17-39. | 1.0 | 33 |
| 6 | Effects of near-fault ground motions in seismic performance evaluation of a symmetric arch dam. <i>Soil Mechanics and Foundation Engineering</i> , 2012, 49, 192-199. | 0.7 | 27 |
| 7 | 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 |
| 8 | Dynamic analysis of rectangular liquid containers in three-dimensional space. <i>Canadian Journal of Civil Engineering</i> , 2006, 33, 501-507. | 1.3 | 20 |
| 9 | 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 |
| 10 | 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 |
| 11 | Dam-reservoir-massed foundation system and travelling wave along reservoir bottom. <i>Soil Dynamics and Earthquake Engineering</i> , 2010, 30, 746-756. | 3.8 | 18 |
| 12 | Wave passage and incoherency effects on seismic response of high arch dams. <i>Earthquake Engineering and Engineering Vibration</i> , 2012, 11, 567-578. | 2.3 | 18 |
| 13 | 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 |
| 14 | 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 |
| 15 | Feasibility Study of Dez Arch Dam Heightening Based on Nonlinear Numerical Analysis of Existing Dam. <i>Archives of Civil Engineering</i> , 2013, 59, 21-49. | 0.7 | 10 |
| 16 | Reservoir Fluctuation Effects on Seismic Response of High Concrete Arch Dams Considering Material Nonlinearity. <i>Journal of Civil Engineering Research</i> , 2012, 1, 9-20. | 0.5 | 10 |
| 17 | Hydrodynamic pressures in contraction joints including waterstops on seismic response of high arch dams. <i>Structures</i> , 2018, 14, 1-14. | 3.6 | 9 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Strain-based seismic failure evaluation of coupled dam-reservoir-foundation system. <i>Coupled Systems Mechanics</i> , 2013, 2, 85-110. | 0.4 | 8 |
| 20 | 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 |
| 21 | Seismic behavior of three dimensional concrete rectangular containers including sloshing effects. <i>Coupled Systems Mechanics</i> , 2012, 1, 79-98. | 0.4 | 6 |
| 22 | Nonlinear Analysis of Concrete Structural Components Using Co-axial Rotating Smearred Crack Model. <i>Journal of Applied Sciences</i> , 2012, 12, 221-232. | 0.3 | 6 |
| 23 | Damage mechanics approach and modeling nonuniform cracking within finite elements for safety evaluation of concrete dams in 3D space. <i>Structural Engineering and Mechanics</i> , 2009, 33, 31-46. | 1.0 | 5 |
| 24 | Nonlinear behavior of concrete gravity dams and effect of input spatially variation. <i>Structural Engineering and Mechanics</i> , 2010, 35, 365-377. | 1.0 | 5 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Nonlinear seismic response of concrete gravity dams using damage mechanics including dam-reservoir interaction. , 2004, , 635-642. | | 0 |
| 33 | Creep and Dilatancy Behavior of Rock Salt around Underground Caverns. <i>Advanced Materials Research</i> , 0, 629, 418-422. | 0.3 | 0 |
| 34 | Numerical simulation of reservoir fluctuation effects on the nonlinear dynamic response of concrete arch dams. <i>WIT Transactions on Engineering Sciences</i> , 2010, , . | 0.0 | 0 |
| 35 | 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 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Predicting ankle joint syndesmotom screw lifetime using finite element and fatigue analysis. Journal of Orthopaedics, Trauma and Rehabilitation, 2022, 29, 221049172210772. | 0.1 | 0 |