Faculty Members Website
University of Tabriz



# Majid Barghian

Professor

College: Civil Engineering

## Papers in Journals

1. Arman Khatar , Salar Farahmand Tabar , Majid Barghian،Lambda-shaped hangers: an innovative fatigue-resistant hanger system for pedestrian suspension bridges،Mechanics Based Design of Structures and Machines،2025 09 30.
2. Mahdi Abbasi و Majid Barghian،Earthquake Effect on Steel Frame with Cable Bracing and Magnetorheological (MR) Damper،Modares Civil Engineering Journal،2025 08 16.
3. برقیان &, عبداله عزیزی,Comparison of the performance of frictional pendulum isolators and suspended pendulum isolators,Earthquakes and Structures,2025 04 05.
4. Abdallah Azizia and Majid Barghian,Proposing rhombus shape non-linear connection by seismic approach on the “pendulum column” isolator considering buckling effect in its piers,Structural Engineering and Mechanics,Vol. 3,pp. 257-266,2024 11 5.

## Thesis

1. Investigating the relationship between geometric characteristics of 2D truss and cable structures and the slackening effect of cable in Newton-Raphson analysis ، Elaheh Nouri ، 2026/7/27
2. Retrofitting of two-dimensional concrete frames with cable bracing equipped with arcs and rings ، Sana Zabihi ، 2026/6/2
3. Behavior of a three-dimensional steel frame with cable braces with a plate in the middle of the cables ، Alireza Gorji ، 2025/2/3
4. Using MR dampers in cable-stayed bridges ، Samrand Mohammadi ، 2024/12/10
5. Seismic Retrofitting of Three-Dimensional Steel Moment Frames with Cable Braces Equipped with Rings and Arcs ، Aylar Kanani ، 2024/10/15
6. Seismic performance of RC structures retrofitted with cable together with a central steel plate ، Mustafa Dheyaa ALkaabi ، 2024/10/15