



# Zahra Mousavi

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## Publications

### Journals

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- Ajorlou, Najmeh and Hollingsworth, James and Mousavi, Zahra and Ghods, Abdolreza and Masoumi, Zohreh, "Characterizing Near-Field Surface Deformation in the 1990 Rudbar Earthquake (Iran) Using Optical Image Correlation", *Geochemistry, Geophysics, Geosystems*, Vol. 22, NO. 6, 2021
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- Aflaki, Mahtab and Mousavi, Zahra, "Interaction between the far-field stress and crustal boundary faults in the kinematics of active deformation around the Lut Block, Eastern Iran", *Tectonophysics*, Vol. 817, NO. 8, 2021
- Mohammadnia, Mohammadhossein and Najafi, Mahdi and Mousavi, Zahra, "InSAR constraints on the active deformation of salt diapirs in the Kalut basin, Central Iran", *Tectonophysics*, Vol. 810, 2021
- Mousavi, Zahra and Fattahi, Morteza and Khatib, Mohammad and Talebian, Morteza and Pathier, Erwan and Walpersdorf, Andrea and Sloan, R Alastair and Thomas, Alexander L and

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- Masoumi, Zohreh and Mousavi, Zahra and Hajeb, Zahra, "Long-term investigation of subsidence rate and its environmental effects using the InSAR technique and geospatial analyses", *Geocarto International*, Vol. 40, NO. 6, 2021
- Rezaei, Abolfazl and Mousavi, Zahra and Khorrami, Fatemeh and Nankali, Hamidreza, "Inelastic and elastic storage properties and daily hydraulic head estimates from continuous global positioning system (GPS) measurements in northern Iran", *Hydrogeology Journal*, Vol. 28, NO. 2, 2020
- Babaee, Sasan and Mousavi, Zahra and Masoumi, Zohreh and Malekshah, Ahmad Hojati and Roostaei, Mahasa and Aflaki, Mahtab, "Land subsidence from interferometric SAR and groundwater patterns in the Qazvin plain, Iran", *International Journal of Remote Sensing*, Vol. 41, NO. 12, 2020
- Amiri, M and Mousavi, Z and Atzori, Simone and Khorrami, F and Aflaki, M and Tolomei, Cristiano and Motaghi, K and Salvi, Stefano, "Studying postseismic deformation of the 2010--2011 Rigan earthquake sequence in SE Iran using geodetic data", *Tectonophysics*, Vol. 795, NO. 12, 2020

## Conferences

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- Vajedian, Sanaz and Mousavi, Zahra and Motagh, Mahdi and Hojati, Ahmad, "Combining SAR Interferometry and offset tracking methods to measure near field coseismic deformation; application to the 12 December 2017 Mw 6.2 Hojedd earthquake in Iran", *EGU General Assembly Conference Abstracts*, 2018

