

Stanford



Seyed Mostafa Mousavi

Physical Science Research Scientist

Geophysics

Bio

BIO

I am a geophysicist with an engineering background. My work includes: (1) statistical seismology (seismicity analyses, seismic hazard, and risk analyses), (2) signal processing (time-frequency analyses and denoising), (3) machine learning/deep learning (seismic signal processing and discrimination), (4) observational seismology (microseismic monitoring and induced seismicity).

ACADEMIC APPOINTMENTS

- Phys Sci Res Assoc, Geophysics

LINKS

- Google scholar: <https://scholar.google.com/citations?user=fcXLzLgAAAAJ&hl=en>

Publications

PUBLICATIONS

- **Separating Signal from Noise and from Other Signal Using Nonlinear Thresholding and Scale-Time Windowing of Continuous Wavelet Transforms** *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
Langston, C. A., Mousavi, S.
2019; 109 (5): 1691–1700
- **CRED: A Deep Residual Network of Convolutional and Recurrent Units for Earthquake Signal Detection.** *Scientific reports*
Mousavi, S. M., Zhu, W., Sheng, Y., Beroza, G. C.
2019; 9 (1): 10267
- **Lateral Variation of Crustal Lg Attenuation in Eastern North America.** *Scientific reports*
Zhao, L. F., Mousavi, S. M.
2018; 8 (1): 7285