

### عنوان مقاله:

Stream sediment geochemical investigation using isometric logratio transformation (ilr) over Takab, NW of Iran

### محل انتشار:

اولین همایش زمین شیمی کاربردی ایران (سال: 1392)

تعداد صفحات اصل مقاله: 6

### نویسندگان:

Mohammad Hossein Ghalehnoee - Faculty of Mining and Metallurgical Engineering, Yazd University, Yazd, Iran

Farhad Mohammad Torab - Faculty of Mining and Metallurgical Engineering, Yazd University, Yazd, Iran

### خلاصه مقاله:

A total 596 stream sediment samples have been carried out from Takab area which is one of the well-known mineralization zones of northwest of Iran. Geochemical data are typical compositional data which should be opened prior to univariate and multivariate data analysis. In this study an ilr-transformation method has been applied to reduce the effect of outliers and censored values. Principle component analysis (PCA) has been performed based on ilr-transformed data and 6 significant PCs loaded. With the use of PC maps anomalous areas in the entire region have been suggested for more works such as geochemical rock sampling.

### کلمات کلیدی:

censored values, ilr-transformation, Ln-transformation, outlier, principle component analysis

### لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/270375>

