

**GeoRef search results for articles on faulting, strain, regional tectonics in California & Nevada written by the following:**

I've acquired full text or abstracts on many, but not all of these articles. Earthquake data from the USGS website on the broader medicine Lake area has also been compiled. These data are available in the Student on Hermes server. The path is below.

Y:\Steve\_Clausen\Medicine\_Lake\Project Data\EGI Pduced Data\GPS

Blewitt, Geoff

Moving closer to EarthScope: a major new initiative for the earth sciences  
Simpson, David; **Blewitt, Geoff**; Ekstrom, Goran; Henyey, Tom; Hickman, Steve; Prescott, William; Zoback, Mark, **Eos, Transactions, American Geophysical Union, vol.83, no.47, Suppl., pp.F1328, 19 Nov 2002**  
**Publisher:** American Geophysical Union, Washington, DC, United States (USA)  
**Publication Year:** 2002

GPS solutions of post-seismic crustal strain following the Loma Prieta, California earthquake of October, 1989  
**Blewitt, Geoffrey**; Hurst, Kenneth J, **Eos, Transactions, American Geophysical Union, vol.71, no.28, pp.859, 10 Jul 1990**  
**Publisher:** American Geophysical Union, Washington, DC, United States (USA)  
**Publication Year:** 1990  
[View Record](#) | [Find Full Text](#) | [Search UU catalog first, then click here to request ILL.](#)

A new tool for dense monitoring of crustal strain; GPS rapid static surveying  
**Blewitt, Geoffrey**, **Eos, Transactions, American Geophysical Union, vol.71, no.17, pp.483, 24 Apr 1990**  
**Publisher:** American Geophysical Union, Washington, DC, United States (USA)  
**Publication Year:** 1990

Coolbaugh, Mark F.

Targeting of potential geothermal resources in the Great Basin from regional relationships between geodetic strain and geological structures  
**Blewitt, Geoffrey**; **Coolbaugh, Mark F**; Holt, William; Kreemer, Come; Davis, James L; Bennett, Richard A, **Transactions - Geothermal Resources Council, vol.26, pp.523-525, 2002**  
We report on an initial assessment of a new method to target potential geothermal resources on the regional scale. The method is based on seeking relationships between geologic structures and geodetic observations of regional tectonic strain. The ...  
**Publisher:** GRC - Geothermal Resources Council, Davis, CA, United States (USA)  
**Publication Year:** 2002

The prediction and detection of geothermal systems at regional and local scales in Nevada using a geographic information system, spatial statistics, and thermal infrared imagery  
**Coolbaugh, Mark F**  
**Pages:** 172 pp.  
**Publication Year:** 2003  
**PhD Thesis:** University of Nevada, Reno

A geothermal GIS for Nevada; defining regional controls and favorable exploration terrains for extensional geothermal systems  
**Coolbaugh, Mark F**; Taranik, James V; Raines, Gary L; Shevenell, Lisa A; Sawatzky, Don L; Bedell, Richard; Minor, Timothy B, **Transactions - Geothermal Resources Council, vol.26, pp.485-490, 2002**  
Spatial analysis with a GIS was used to evaluate geothermal systems in Nevada using digital

maps of geology, heat flow, young faults, young volcanism, depth to groundwater, ground-water geochemistry, earthquake, and gravity. High-temperature (>160 ...

**Publisher:** GRC - Geothermal Resources Council, Davis, CA, United States (USA)

**Publication Year:** 2002

Thermal infrared remote sensing for geothermal site characterization

Calvin, Wendy; *Coolbaugh*, Mark; Vaughan, R Greg, **Abstracts with Programs - Geological Society of America, vol.34, no.6, pp.551, Oct 2002**

Remote sensing imagery has been widely used as an exploration and site characterization tool for both mineral and petroleum economic development as well as environmental assessment. Well-established techniques in multispectral and hyperspectral ...

**Publisher:** Geological Society of America (GSA), Boulder, CO, United States (USA)

**Publication Year:** 2002

Faulds, James E.

Kinematics of the northern Walker Lane; an incipient transform fault along the Pacific-North American Plate boundary

*Faulds*, James E; Henry, Christopher D; Hinz, Nicholas H, **Geology (Boulder), vol.33, no.6, pp.505-508, Jun 2005**

In the western Great Basin of North America, a system of dextral faults accommodates 15%-25% of the Pacific-North American Plate motion. The northern Walker Lane in northwest Nevada and northeast California occupies the northern terminus of this ...

**Resource Location:** <http://www.gsa-journals.org/gsaonline/?request=get-moreinfo&issn=0091-7613>

**Publication Year:** 2005

Why is Nevada in hot water? Relations between plate boundary motions, the Walker Lane, and geothermal activity in the northern Great Basin

*Faulds*, James E; Coolbaugh, Mark; Henry, Christopher D; Blewitt, Geoffrey, **Abstracts with Programs - Geological Society of America, vol.36, no.4, pp.27-28, Apr 2004**

The Walker Lane (WL) accommodates dextral motion of the Sierra Nevada Block (SNB) relative to the Great Basin and currently accounts for 15-25% of the Pacific-North American Plate motion. Cumulative slip across the WL appears to decrease from 60-80 ...

**Publisher:** Geological Society of America (GSA), Boulder, CO, United States (USA)

**Publication Year:** 2004

Tectonic implications of ash-flow tuffs and paleovalleys in the Western US

Henry, Christopher D; *Faulds*, James E; Garside, Larry J; Hinz, Nicholas H, **Abstracts with Programs - Geological Society of America, vol.35, no.6, pp.346, Nov 2003**

Widespread ash-flow tuffs are some of the best deposits to evaluate tilt, extension direction and magnitude, and vertical axis rotation (when combined with paleomagnetic measurements).

Geologists generally assume that compaction foliation in tuffs ...

**Publisher:** Geological Society of America (GSA), Boulder, CO, United States (USA)

**Publication Year:** 2003

Dextral displacement on the Honey Lake fault zone, northern Walker Lane, northeast California and westernmost Nevada; preliminary constraints inferred from Oligocene ash-flow tuff stratigraphy

Hinz, Nicholas H; *Faulds*, James E; Henry, Christopher D, **Abstracts with Programs - Geological Society of America, vol.35, no.6, pp.347, Nov 2003**

GPS geodetic measurements indicate that the northern Walker Lane (NWL) accommodates approximately 20% of relative motion between the North American and Pacific plates. The Honey Lake fault zone (HLFZ) is one of four major, NW-striking, right-lateral ...

**Publisher:** Geological Society of America (GSA), Boulder, CO, United States (USA)  
**Publication Year:** 2003

Eocene-Oligocene paleovalleys cross the Sierra Nevada-Basin and Range boundary, western Nevada and eastern California

Davis, D A; Henry, C D; Garside, L J; *Faulds, J E*; Goldstrand, P M, **Abstracts with Programs - Geological Society of America, vol.32, no.7, pp.167, 2000**

Eocene and younger paleovalleys that cut into pre-Cenozoic rocks are well known in the Sierra Nevada because they contain gold-rich gravels. However, little is known about continuation of these valleys eastward into the Great Basin. Our new data show ...

**Publisher:** Geological Society of America (GSA), Boulder, CO, United States (USA)  
**Publication Year:** 2000

Garside, L.J.

Triassic-Jurassic magmatic arc of western Nevada and eastern California; Part I, Geology  
Schweickert, Richard A; Stewart, J H; Dilles, J H; *Garside, L J*; Greene, R C; Hardyman, R F; Harwood, D S; Silberling, N J, **U. S. Geological Survey Circular, Report: C 1062, pp.67-68, 1991**

**Editor:** Good, Elizabeth E; Slack, John F; Kotra, Rama K

**Publisher:** U. S. Geological Survey, Reston, VA, United States (USA)  
**Publication Year:** 1991

Hammond, W.C.

New results from a proposed PBO Cascade volcano cluster; I, Deformation in the Medicine Lake region of northeast California from leveling, GPS, and InSAR

Poland, Michael P; Dzurisin, Daniel; *Hammond, William*; Endo, Elliot; Iwatsubo, Eugene; Lisowski, Michael, **Abstracts with Programs - Geological Society of America, vol.35, no.6, pp.563, Nov 2003**

... last 60 years. This raises two possibilities: 1) that **tectonic** activity contributes to subsidence of the volcano, or 2) that strain from an annulus of uplift is accommodated by fault slip. Also in June 2003, a regional east-west transect of ...

**Publisher:** Geological Society of America (GSA), Boulder, CO, United States (USA)  
**Publication Year:** 2003

Structural analysis of the Gemini fault zone, central Sierra Nevada, California

Pachell, Matthew A; Evans, James P; *Hammond, K Jill*, **Eos, Transactions, American Geophysical Union, vol.80, no.46, Suppl., pp.747-748, 16 Nov 1999**

**Publisher:** American Geophysical Union, Washington, DC, United States (USA)  
**Publication Year:** 1999

Kreemer, Corne

Targeting of potential geothermal resources in the Great Basin from regional relationships between geodetic strain and geological structures

Blewitt, Geoffrey; Coolbaugh, Mark F; Holt, William; *Kreemer, Corne*; Davis, James L; Bennett, Richard A, **Transactions - Geothermal Resources Council, vol.26, pp.523-525, 2002**

We report on an initial assessment of a new method to target potential geothermal resources on the regional scale. The method is based on seeking relationships between geologic structures and geodetic observations of regional tectonic strain. The ...

**Publisher:** GRC - Geothermal Resources Council, Davis, CA, United States (USA)  
**Publication Year:** 2002