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(ISSN 0016-7606 USPS 216-300 CODEN BUGMA) is published bimonthly by The Geological Society of America, Inc. (GSA), with offices at 3300 Penrose Place, Boulder, Colorado. Mailing address is P.O. Box 9140, Boulder, CO 80301-9140, USA. Periodicals postage paid at Boulder, Colorado, and at additional mailing offices. Postmaster: Send address changes to GSA Bulletin, Sales & Service, P.O. Box 9140, Boulder, CO 80301-9140, USA, or e-mail to gsaservice@geosociety.org.

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ON THE COVER

Cover: Whether orogenic gold deposits formed from crustal or subcrustal sources is debated. Combined analysis on chronological and isotopic shifts for deposits in the Kunlun–Qinling Orogen supports a model, in which ore fluids for gold mineralization in a back-arc setting were sourced from mantle lithosphere that was metasomatized by subducted oceanic sediment, whereas those in a continental-arc setting, including its suture zone, formed via fluid derived from altered oceanic crust. In the picture, the middle part is auriferous quartz vein which is flanked by amphibolite-facies biotite-schist and quartzite wall rocks from the hypozonal Danba deposit with subcrustal origin. See "Progressive spatial and temporal evolution of tectonic triggers and metasomatized mantle lithosphere sources for orogenic gold mineralization in a Triassic convergent margin: Kunlun–Qinling Orogen, central China" by Hesen Zhao et al., p. 2378–2392.

Photo by: Qingfei Wang, Hesen Zhao, and Lihao Feng.