

宇野 康司

700-8530 岡山市北区津島中3-1-1

岡山大学大学院教育学研究科

理科教育講座地質学研究室

unokoji(at)okayama-u.ac.jp



研究 アジア大陸の地殻変動や、火山碎屑岩の堆積様式などについて研究しています。私はこれらの研究を、地質学と物理学に基礎を置いた古地磁気学と呼ばれる地球科学分野からアプローチしています。この分野は、天然の岩石中に含まれる磁性体から、過去の大陸が存在した位置（地球上の座標）や、岩体が経験した熱履歴を明らかにするものです。

査読のある論文

- (22) **Koji Uno**, Yoko Kaneshige, Kuniyuki Furukawa, Taro Shinmura, Masaya Miyoshi
Paleomagnetic investigation of rhyolite lava: Is rhyolite with clearly marked flow structure a high-fidelity geomagnetic field recorder?
(*Earth, Planets and Space*, in press)
- (21) Masaya Miyoshi, Hirochika Sumino, Yasuo Miyabuchi, Taro Shinmura, Yasushi Mori, Toshiaki Hasenaka, Kuniyuki Furukawa, **Koji Uno**, Keisuke Nagao
K–Ar ages determined for post-caldera volcanic products from Aso volcano, central Kyushu, Japan
(*Journal of Volcanology and Geothermal Research*, 229-230, 64-73, 2012)
- (20) **Koji Uno**, Tetsuji Onoue, Kazumasa Hamada, Saki Hamami
Palaeomagnetism of Middle Triassic red bedded cherts from southwest Japan: equatorial palaeolatitude of primary magnetization and widespread secondary magnetization
(*Geophysical Journal International*, 189, 1383-1398, 2012)
- (19) **Koji Uno**, Kuniyuki Furukawa, Shigeki Hada
Margin-parallel translation in the western Pacific: Paleomagnetic evidence from an allochthonous terrane in Japan
(*Earth and Planetary Science Letters*, 303, 153-161, 2011)
- (18) Kuniyuki Furukawa, **Koji Uno**, Isoji Miyagi
Mechanisms of oxidation and degassing in the Takanoobane Rhyolite Lava of Aso Volcano, Japan
(*Journal of Volcanology and Geothermal Research*, 198, 348-354, 2010)

(17) Masako Miki, Aya Taniguchi, Masahiko Yokoyama, Chitaro Gouzu, Hironobu Hyodo, **Koji Uno**, Haider Zaman, Yo-ichiro Otofujii
Palaeomagnetism and geochronology of the Proterozoic dolerite dyke from southeast Greenland: indication of low palaeointensity
(*Geophysical Journal International*, 179, 18-34, 2009)

(16) Kenji Tanaka, Chuanlong Mu, Ken Sato, Kazuhiro Takemoto, Daisuke Miura, Yuyan Liu, Haider Zaman, Zhenyu Yang, Masahiko Yokoyama, Hisanori Iwamoto, **Koji Uno**, Yo-ichiro Otofujii
Tectonic deformation around the eastern Himalayan syntaxis: constraints from the Cretaceous palaeomagnetic data of the Shan-Thai Block
(*Geophysical Journal International*, 175, 713-728, 2008)

(15) Yasuto Itoh, **Koji Uno**, Hiroyuki Arato
Seismic evidence of divergent rifting and subsequent deformation in the southern Japan Sea, and a Cenozoic tectonic synthesis of the eastern Eurasian margin
(*Journal of Asian Earth Sciences*, 27, 933-942, 2006)

(14) **Koji Uno**, Kuniyuki Furukawa
Timing of remanent magnetization acquisition in red beds: A case study from a syn-folding sedimentary basin
(*Tectonophysics*, 406, 67-80, 2005)

(13) **Koji Uno**, Tae Woo Chang, Kuniyuki Furukawa
Tectonic elements of South China affinity in the Korean Peninsula: new Early Jurassic palaeomagnetic data
(*Geophysical Journal International*, 158, 446-456, 2004)

(12)**Koji Uno**, Baochun Huang
Constraints on the Jurassic swing of the apparent polar wander path
for the North China Block
(*Geophysical Journal International*, 154, 801-810, 2003)

(11)Ki-Hong Chang, Kazuhiro Suzuki, Sun-Ok Park, Keisuke Ishida, **Koji Uno**
Recent advances in the Cretaceous stratigraphy of Korea
(*Journal of Asian Earth Sciences*, 21, 937-948, 2003)

(10)**Koji Uno**, Yo-ichiro Otofujii, Takaaki Matsuda, Kuniyuki Furukawa,
Toshiaki Mishima, Yoshiki Kuniko, Ryo Enami, Ruslan G. Kulinich,
Petr S. Zimin, Anatoly P. Matunin, Vladimir G. Sakhno
An example of multicomponent magnetization in welded tuffs:
a case study of Upper Cretaceous welded tuffs of eastern Russia
(*Journal of Asian Earth Sciences*, 21, 431-439, 2003)

(9)Yo-ichiro Otofujii, Takaaki Matsuda, Ryo Enami, **Koji Uno**,
Katsuhiko Nishihama, Nadir Halim, Li Su, Haider Zaman, Ruslan G. Kulinich,
Petr S. Zimin, Anatoly P. Matunin, Vladimir G. Sakhno
Late Cretaceous palaeomagnetic results from Sikhote Alin, far
eastern Russia: tectonic implications for the eastern margin
of the Mongolia Block
(*Geophysical Journal International*, 152, 202-214, 2003)

(8)**Koji Uno**
Late Cretaceous palaeomagnetic results from Southwest Japan:
new insights for early Cenozoic clockwise rotation
(*Geophysical Journal International*, 149, 617-624, 2002)

(7)Yo-ichiro Otofujii, Takaaki Matsuda, Ryo Enami, **Koji Uno**,
Katsuhiko Nishihama, Su Li, Ruslan G. Kulinich, Petr S. Zimin,
Anatoly P. Matunin, Vladimir G. Sakhno
Internal deformation of Sikhote Alin volcanic belt, far eastern
Russia: Paleocene paleomagnetic results
(*Tectonophysics*, 350, 181-192, 2002)

(6)**Koji Uno**
Clockwise rotation of the Korean Peninsula with respect to
the North China Block inferred from an improved Early Triassic
palaeomagnetic pole for the Ryeongnam Block
(*Geophysical Journal International*, 143, 969-976, 2000)

(5)**Koji Uno**, Ki-Hong Chang
Paleomagnetic results from the lower Mesozoic Daedong Supergroup
in the Gyeonggi Block, Korean Peninsula:
an eastern extension of the South China Block
(*Earth and Planetary Science Letters*, 182, 49-59, 2000)

(4)Yo-ichiro Otofujii, **Koji Uno**, Takahiro Higashi, Tomomichi Ichikawa,
Tsuyoshi Ueno, Toshiaki Mishima, Takaaki Matsuda
Secondary remanent magnetization carried by magnetite inclusions in silicates:
A comparative study of unremagnetized and remagnetized granites
(*Earth and Planetary Science Letters*, 180, 271-285, 2000)

(3)**Koji Uno**
Paleomagnetic results of the Late Permian Gobangsan Formation,
Korean Peninsula: Remagnetization in the southeastern periphery of the
Bagjisan Syncline
(*Earth, Planets and Space*, 52, 175-182, 2000)

(2)**Koji Uno**

Early Triassic palaeomagnetic results from the Ryeongnam Block,
Korean Peninsula: the eastern extension of the North China Block
(*Geophysical Journal International*, 139, 841-851, 1999)

(1)**Koji Uno**, Yo-ichiro Otofujii, Takaaki Matsuda, Yoshiki Kuniko, Ryo Enami,
Ruslan G. Kulinich, Petr S. Zimin, Anatoly P. Matunin, Vladimir G. Sakhno
Late Cretaceous paleomagnetic results from Northeast Asian
continental margin: The Sikhote Alin mountain range, eastern Russia
(*Geophysical Research Letters*, 26, 553-556, 1999)