

## Interesting Papers in Other Journals

### **Acta Geologica Sinica\*** (Journal of the Geological Society of China) Vol.77, No.4, 2003

NIU SHUYIN and others: Cascaded Evolution of Mantle Plumes and Metallogenesis of Core- and Mantle-derived Elements. pp.522-536.

DENG JUN and others: A Metallogenic Model of Gold Deposits of the Jiaodong Granite-Greenstone Belt. pp.537-546.

### Vol.78, No.1, 2004

ZHANG ZHAOCHONG and others: Petrology, Mineralogy and Geochemistry of the Emeishan Continental Flood Basalts, SW China: Evidence for Activity of Mantle Plumes. pp. 40-51.

LIU JIANMIN and others: Origin, Age and Significance of Pseudotachylites from the Eastern Dabieshan Orogenic Belt, China. pp. 52-60.

LAI SHAOCONG and others: Ophiolites from the Mianlue Suture in the Southern Qinling and their Relationship with the Eastern Paleotethys Evolution. pp. 107-117.

ZHAO LEI and others: Assortment of Deep Mantle Fluids and their Products in Kimberlites from China. pp. 118-120.

HU DAOGONG and others: P-T-t Path of Mafic Granulite Metamorphism in Northern Tibet and its Geodynamical Implications. pp. 155-165.

WANG YANG and others: Seismic Velocity Structure and Composition of the Continental Crust of Eastern China. pp.291-297.

### **AUSGEO News\*** No.74, June 2004

EVGENIY BASTRAKOV: Chemical reasons for lode-gold associations. pp.20-22.

### **Australian Journal of Earth Sciences\*** Vol.51, No.2, April 2004

FORBES, C.J. and P.G. BETTS: Development of Type 2 fold interference patterns in the Broken Hill Block: implications for strain partitioning across a detachment during the Olarian Orogeny. pp. 173-188.

YASSAGHI, A. and others: P-T conditions and kinematics of shear zones from the southern Adelaide Fold-Thrust Belt, South Australia: insights into the dynamics of a deeply eroded orogenic wedge. pp. 301-317.

### **Contributions to Mineralogy and Petrology** Vol.147, No.4, June 2004

MATSYUK, S.S. and LANGER, K.: Hydroxyl in olivines from mantle

xenoliths in kimberlites of the Siberian platform. pp. 413-437.

EERO HANSKI and others: Origin of the Permian-Triassic komatiites, northwestern Vietnam. pp. 453-469.

### **Current Science\*** Vol.86, No.11, 10 June 2004

RATAN K. MOHAPATRA: Understanding Mars from meteorites – the nitrogen and noble gas perspective. pp. 1499-1505.

SANIL KUMAR, V. and others: Wave characteristics off Visakhapatnam coast during a cyclone. pp. 1524-1529.

FARUQUE HUSSAIN, M. and others: Geochemistry of the basement gneisses and gneissic enclaves from Bastar craton: Geodynamic implications. pp. 1543-1547.

RAMADASS, G. and others: Magnetic basement along the Jadcharla-Vasco transect, Dharwar Craton, India. pp. 1548-1553.

THAKUR, V.C.: Active tectonics of Himalayan Frontal Thrust and Seismic Hazard to Ganga Plain. pp. 1554-1560.

### Vol.86, No.12, 25 June 2004

DOGRA, N.N. and others: Palynological assemblage from the Anjar intertrappeans, Kutch district, Gujarat: Age implications. pp. 1596-1597.

RACHNA RAJ and others: Channel shifting of a highly sinuous meandering river in alluvial plain, Vishwamitri river, Mainland Gujarat. pp. 1647-1653.

AZMI, R.J. and PAUL, S.K.: Discovery of Precambrian-Cambrian boundary protoconodonts from the Gangolihat Dolomite of Inner Kumaun Lesser Himalaya: Implication on age and correlation. pp. 1653-1660.

### Vol.87, No.1, 10 July 2004

LALIT MOHAN PANT and ASHWAGOSHA GANJU: Fuzzy rule-based system for prediction of direct action avalanches. pp. 99-104.

GANESHA, A.V. and others: Breakdown of synthetic potassic cordierite at low P-T conditions. pp. 104-108.

### **Down to Earth\*** Vol.13, No.3, June 30, 2004

Arsenator (digital As-tester). p.22.

### **Economic Geology\*** Vol.98, No.8, December 2003

RICHARD KYLE, J. and RICHARD A. KETCHAM: In Situ Distribution of Gold in Ores using High-Resolution X-Ray Computed Tomography. pp. 1697-1701.

\*Journal / Reprint available in the Society's Library

**Vol.99, No.1, January-February 2004**

PAUL A. POLITO and others: Significance of Alteration Assemblages for the Origin and Evolution of the Proterozoic Nabarlek Unconformity-Related Uranium Deposit, Northern Territory, Australia. pp. 113-139.

OLIVIER GRONDIN and ANTHONY E. WILLIAMS-JONES: The Onaman Prospect, Ontario: An Unusual Occurrence of Cu-bearing Au Mineralization in a Shear Zone. pp. 141-156.

KEIKO H. HATTORI and EION M. CAMERON: Using the High Mobility of Palladium in Surface Media in Exploration for Platinum Group Element Deposits: Evidence from the Lac des Iles Region, Northwestern Ontario. pp. 157-171.

**Vol.99, No.2, March-April 2004**

LUCY H. CHAPMAN: Geology and Mineralization Styles of the George Fisher Zn-Pb-Ag Deposit, Mount Isa, Australia. pp. 233-255.

CHRISTOPHER J. HEATH and IAN H. CAMPBELL: A New Geochemical Technique for Gold Exploration: Alkali Element Mobility Associated with Gold Mineralization in the West Australian Goldfields. pp. 313-324.

**Gondwana Research\*****Vol.7, No.3, July 2004**

ANDREAS BRAUN: Prospective Lithologies, Techniques and Chances for Microscopic Paleontology at the Vendian/Cambrian Boundary. pp. 675-684.

NARSIMHA REDDY, M. and LEELANANDAM, C.: Magmatic and Tectonic Structures from the Chimalpahad Layered Complex, Andhra Pradesh, India. pp. 887-896.

**Journal of Applied Geochemistry\*****Vol.6, No.2, July 2004**

SINHA, R.M.: Application of Hydrogeochemical Survey in Search for Concealed Uranium Mineralisation-some Indian Examples. pp. 133-146.

SUDHAKAR, Ch. and DHANA RAJU, R.: Geochemistry of the Granitoids and their Deformed-Altered Variants Around Rayachoti, Cuddapah District, Andhra Pradesh and its bearing on Uranium Mineralisation. pp. 147-163.

**Journal of Asian Earth Sciences\*****Vol.23, 2004**

ROHTASH KUMAR and others: A multistorey sandstone complex in the Himalayan Foreland Basin, NW Himalaya, India. pp.407-426.

**Journal of Petrology****Vol.45, No.5, May 2004**

CHALAPATHI RAO, N.V. and others: Petrogenesis of Proterozoic

Lamproites and Kimberlites from the Cuddapah Basin and Dharwar Craton, Southern India. pp. 907-948.

**Lithos****Vol.74, Nos.3-4, June 2004**

MEGAN HARRIS and others: Geochemistry of the Uintjesberg kimberlite, South Africa: petrogenesis of an off-craton, group I, kimberlite. pp. 149-165.

LAPIERRE, H. and others: The Tethyan plume: geochemical diversity of Middle Permian basalts from the Oman rifted margin. pp. 167-198.

**Mineralium Deposita****Vol.39, No.2, March 2004**

ALEXANDER YAKUBCHUK and ANATOLY NIKISHIN: Noril'sk-Talnakh Cu-Ni-PGE deposits: a revised tectonic model. pp. 125-142.

**Nature\*****Vol.429, No.6992, 10 June 2004**

XIAOLIN WANG and ZHONGHE ZHOU: Pterosaur embryo from the Early Cretaceous. p. 621.

EPICA MEMBERS: Eight glacial cycles from an Antarctic ice core. pp. 623-628.

RAYMOND T. PIERREHUMBERT: High levels of atmospheric carbon dioxide necessary for the termination of global glaciation. pp. 646-649.

ALFRED L. ROCA and others: Mesozoic origin for West Indian insectivores. pp. 649-651.

**Vol.429, No.6993, 17 June 2004**

MARJORIE A. CHAN and others: A possible terrestrial analogue for haematite concretions on Mars. pp.731-734.

CARBOTTE, S.M. and others: The influence of ridge migration on the magmatic segmentation of mid-ocean ridges. pp.743-746.

DALE GUTHRIE, R.: Radiocarbon evidence of mid-Holocene mammoths stranded on an Alaskan Bering Sea island. pp.746-749.

**Vol.429, No.6994, 24 June 2004**

BELLWOOD, D.R. and others: Confronting the coral reef crisis. pp.827-833.

PHILLIPS, G.N. and EVANS, K.A.: Role of CO<sub>2</sub> in the formation of gold deposits. pp.860-863.

**Vol.430, No.6995, 1 July 2004**

TONY REICHHARDT: Earth science loses autonomy as NASA switches focus to the Moon. p. 3.

DEBORAH J. THOMAS: Evidence for deep-water production in the North Pacific Ocean during the early Cenozoic warm interval. pp. 65-68.

FARHANA S. ISLAM and others: Role of metal-reducing bacteria in arsenic release from Bengal delta sediments. pp.68-71.

PETER M. SHEEHAN and MARK T. HARRIS: Microbialite resurgence after the Late Ordovician extinction. pp.75-78.

**Vol.430, No.6996, 8 July 2004**

BERNHARD STEINBERGER and others: Prediction of Emperor-Hawaii seamount locations from a revised model of global plate motion and mantle flow. pp. 167-173.

**Oil Asia\***

**Vol.24, No.2, April-May 2004**

SINGH GANDHI, S.M.: Thirty Years of Mumbai High – A Story to be savoured by the nation. pp.7-9.

BADRUL IMAM: The Gas Reserves of Bangladesh: A Geological perspective. pp.33-35.

DIMRI, V.P.: Advancement in Hydrocarbon Exploration Techniques. pp.36-39.

**Palaeo\***

**Vol.205, 2004**

PRASANTA SANYAL and others: Mio-Pliocene monsoonal record from Himalayan foreland basin (Indian Siwalik) and its relation to vegetational change. pp. 23-41.

**Physics Today\***

**Vol.57, No.4, April 2004**

ROBIN M. CANUP: Origin of Terrestrial Planets and the Earth-Moon System. pp. 56-62.

**Precambrian Research**

**Vol.131, Nos.3-4, 15 June 2004**

HICKMAN, A.H.: Two contrasting granite-greenstone terranes in the Pilbara Craton, Australia: evidence for vertical and

horizontal tectonic regimes prior to 2900 Ma. pp. 153-172.

**Vol.132, Nos.1-2, 30 June 2004**

LEANNE J. PYLE and others: Integrated Ediacaran chronostratigraphy, Wernecke Mountains, northwestern Canada. pp. 1-27.

PARTHA PRATIM CHAKRABORTY: Facies architecture and sequence development in a Neoproterozoic carbonate ramp: Lakheri Limestone Member, Vindhyan Supergroup, Central India. pp. 29-53.

SARANGI, S. and others: Pb-Pb age of earliest megascopic, eukaryotic alga bearing Rohtas Formation, Vindhyan Supergroup, India: implications for Precambrian atmospheric oxygen evolution. pp. 107-121.

**Preview (Australian Society of Exploration Geophysicists)\*  
No.110, June 2004**

BISHOP, J.R.: Geophysical signatures of Broken Hill Type orebodies. pp. 37-38.

**Tectonics**

**Vol.23, No.1, February 2004**

CLARK, M.K. and others: Surface uplift, tectonics, and erosion of eastern Tibet from large-scale drainage patterns. pp. TC1006 (1-20).

JEAN-CLAUDE VANNAY and others: Miocene to Holocene exhumation of metamorphic crustal wedges in the NW Himalaya: Evidence for tectonic extrusion coupled to fluvial erosion. pp. TC1014 (1-24).

**Tunnelling and Trenchless Construction\*  
May 2004**

LAN CLARKE: Envirotech takes up the Indian challenge. p.27.

## **New Books/Publications of interest in Earth-Sciences**

Exercises in Structural Geology: A Simple Approach. By V.T.Parashar, B-4, Ashwini Co-op. Housing Society, Pune-Mumbai Road, Shivajinagar, Pune-411005, Tel: 020-25511562, 2004, 58p., Price: Rs.60.

Plate Tectonics: An Insider's History of the Modern Theory of the Earth. By Naomi Oreskes and Homer Le Grande. Westview Press, 5500 Central Ave., Boulder, CO 0301-2877, 2001, 424p., Price: \$30.

Treatise on Geochemistry: The Crust, Volume 3. By R.L.Rudnick,

H.D. Holland and K.K. Turekian. Elsevier Pergamon, Amsterdam, 2004, 683p., Price: \$4,595 (set of 10 volumes).

Abstracts of Chinese Geological Literature: The National Geological Library of the People's Republic of China, Beijing, China, Vol.19, No.4, 2003, 196p.

India-United States Conference on Space Science, Applications and Commerce Abstract Volume, Organised by Astronautical Society of India, 2004, Bangalore, 164p.

Printed by M. Nagaraju and published by M. S. Rao on behalf of Geological Society of India, 63, 12th Cross Basappa Layout, Gavipuram, Bangalore - 560 019 and Printed at Pragati Graphics, No.25, 1st Main Road, 2nd Street, Vivekanandanagar, B.S.K. III Stage, Bangalore - 560 085 and published at Bangalore - Editor: M. S. Rao.