

Pubblicazioni

Ciclo XXV

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- Sacchi E., Acutis M., Bartoli M., Brenna S., Delconte C.A., Laini A., Pennisi M (submitted). *Origin and fate of nitrates in groundwater from the central Po plain: insights from isotopic investigations*. *Applied Geochemistry*.
- Laini A., Sacchi E., Soana E., Delconte C.A., Racchetti E., Bartoli M., Viaroli P., 2012. *Nitrogen sources and sinks in a heavily impacted watershed (Oglio River, Northern Italy)*. In: Richards, K.G., Fenton, O., Watson, C.J. (Eds.). *Proceeding of the 17th Nitrogen Workshop – Innovations for sustainable use of nitrogen resources*. 26th-29th June 2012, Wexford, Ireland, pp. 180-181. ISBN – 10: 1-84170-588-8.
- Giovanardi T., Morishita T., Zanetti A., Mazzucchelli M., Vannucci R. (in press, EGM). *Igneous sapphirine as a product of melt-peridotite interactions in the Finero Phlogopite-Peridotite Massif, Western Italian Alps*. *European Journal of Mineralogy*, DOI: 10.1127/0935-1221/2012/0024-2251.
- Zanetti, A., Mazzucchelli, M., Sinigoi, S., Giovanardi, T., Peressini, G., Fanning, M., (submitted, JPET). *Insights into the Melt-Lower Crust Interplay in Subduction-related Setting and the Mesozoic Geodynamic Evolution of the Southern Alps: evidence from the Finero Mafic Complex (Ivrea-Verbano Zone)*. *Journal of Petrology*.
- Correia C.T., Sinigoi S., Girardi V.A.V., Mazzucchelli M., Tassinari C.C.G., Giovanardi T. (in press, Lithos). *The growth of large mafic intrusions: Comparing Niquelândia and Ivrea igneous complexes*. *Lithos*, DOI: <http://dx.doi.org/10.1016/j.lithos.2012.08.024>
- Molinari M., Cannata M., Begueria S., Ambrosi C., 2012. GIS-based calibration of MassMov2D, *Transactions in GIS*, Vol. 16, Issue 2, 215-231
- Ambrosi C., Cannata M., Molinari M., Pozzoni M., Baruffini M., 2012. Modellazione numerica dei fenomeni di dissesto e identificazione degli scenari di rischio nell'area della Val Canaria. In *MIARIA, tecnologia e conoscenza al servizio della sicurezza*, (2): 73-93, Bellavite ed., Lecco. ISBN 978-88-7511-192-2
- Molinari M., Cannata M., Meisina C., 2012. Multi-spatial resolution analysis of the fast landslide model r.massmov. *Natural Hazard* (submitted)
- Pandolfo F., Nestola F., Cámara F., Domeneghetti M.C. (2012) - *New thermoelastic parameters of natural C2/c omphacite*. *Physics and Chemistry of minerals*, 39:295-304

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- Di Bucci D. and Angeloni P., (in press). *Adria seismicity and seismotectonics: review and critical discussion*. *Marine and Petroleum Geology*
- M. Zema, A.M. Callegari, S.C. Tarantino, E. Gasparini, P. Ghigna, *Thermal expansion of alunite up to dehydroxylation and collapse of the crystal structure*, *Mineralogical Magazine*, 76, 613-623, 2012.
- E. Gasparini, S.C. Tarantino, P. Ghigna, M.P. Riccardi, E.I. Cedillo-González, C. Siligardi, M. Zema, *Thermal dehydroxylation of kaolinite from an industrial kaolin: insights from IR autocorrelation spectrum*, *Applied Clay Science*, submitted.
- C. Mugoni, E.I. Cedillo-González, E. Gasparini, S.C. Tarantino, M. Zema, M. Montorsi, C. Siligardi, *Mechanical amorphization of kaolinite from an industrial kaolin by full factorial experimental design*, *Applied Clay Science*, submitted.
- S.C. Tarantino, A. Zanetti, M. Mazzucchelli, M. Zema, F. Heidelbach, N. Miyajiima, P. Ghigna, L. Olivi, E. Gasparini, *Diopside-titanian pargasite intergrowth in magmatic pockets and metasomatic haloes from Balmuccia mantle peridotite*, EMC 2012, European Mineralogical Conference, Vol. 1, EMC2012-391-1, 2012.

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- Bordogna G., Carrara P., Criscuolo L., Pepe M., Rampini A. (submitted). *Quality of Volunteer Geographic Information for Citizen Science: a Proposal for its Representation and Assessment*, *Information Science*.
- Gretter N., Ronchi A., Langone A., Perotti C.R., (in press): *The transition between the two major Permian tectono-stratigraphic cycles in the Central Southern Alps: results from facies analysis and U/Pb geochronology*. *Int. J. Earth Sci (Geol. Rundsch.)*.

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Mazzucchelli M., Giovanardi T., Zanetti A., Tiepolo M., Vannucci R., 2012. *U-Pb zircon ages on metasomatic and magmatic events from deep to surface: contrai on the Triassic-Middle Jurassic evolution of Southern Alps*. European Mineralogical Conference 2012, Vol. 1, 426.

Giovanardi T., Zanetti A., Mazzucchelli M., Tiepolo M., Vannucci R., Morishita T., 2012. *Evidence for the development of a convergent setting in the Southern Alps domain during the early Mesozoic: insights from the Finero Complex (Ivrea-Verbano Zone)*. Geophysical Research Abstracts Vol. 14, EGU2012-14246, EGU General Assembly 2012.

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Molinari M., Cannata M., 2012. *Calibrazione semi-automatica del modello di espansione frane MassMov2D: caso studio della Val Canaria* (Abstract)

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S.C. Tarantino, A. Zanetti, M. Mazzucchelli, M. Zema, F. Heidelbach, N. Miyajiima, P. Ghigna, L. Olivi, E. Gasparini (2011), *Crystallographic characterization of diopside-kaersutite intergrowth by a multi-technique study and a one-shot EBSD experiment*, XL Congresso AIC, Book of Abstract, 123-124.

S.C. Tarantino, A. Zanetti, M. Mazzucchelli, M. Zema, F. Heidelbach N. Miyajiima, P. Ghigna, L. Olivi, E. Gasparini, *Diopside-titanian pargasite intergrowth: crystallography and formation mechanism*, ECM 27, Abstract Book, 210, 2012.

E. Gasparini, S.C. Tarantino, M. Zema (2011), *Metakaolin-derived geopolymers. The dehydroxylation of kaolinite: a multitechnique approach*, XL Congresso AIC, Book of Abstract, 117-118.

E. Cameron (2011) *La vulnerabilità degli acquiferi: una prospettiva analitica*, presentazione al convegno Geoitalia 2011, Sessione A7 – Gestione e tutela delle risorse idriche sotterranee delle pianure alluvionali

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