

ALESSANDRA MONTANINI - Curriculum Vitae

- 1987 Degree in Geological Sciences, University of Parma, Italy
- 1992 PhD in Earth Sciences, University of Modena-Bologna, Italy: Petrology and Geochemistry of the Monte Arci (Sardinia) volcanic complex
- Since 1994: Assistant Professor of Petrology at University of Parma
- 2013: National Qualification as Associate Professor
- Since 2019: Associate Professor of Petrology at University of Parma

Teaching: Optical Mineralogy and Petrography - Introduction to Metamorphic Petrology - Geodynamics and Petrogenesis. Supervisor of Master and PhD Thesis in Earth Sciences.

Research interests

- Petrology of ophiolitic rocks (Liguria, Corsica, New Caledonia)
- Lithological and geochemical heterogeneities in the subcontinental mantle
- Petrology and geochemistry of post-collisional (ultrapotassic) and anorogenic Cenozoic magmatism the Mediterranean area
- Petrology, geochemistry and tectono-metamorphic evolution of continental lower crustal rocks

Scientific activities

- Coordinator of the Working Group on Mediterranean Ophiolites from 2003 to 2011
- Organizer of international workshop and field meetings on ophiolites and oceanic lithosphere: "Peridotite Workshop" 2005, Lanzo (TO) Italy - Corsica Field trip, 2007 - Alpine Ophiolites and Modern Analogues Workshop, Parma, 2009
- Session convener and chair at Geoitalia, Italian Geological Society and SIMP meetings
- Invited speaker at the International Winter School "Melting and fluid/melt-rock reactions in the mantle", Pavia 13-17 February 2017
- Advisor of the Italian Society of Mineralogy and Petrology (starting from 2018)

Editorial activity

- Co-editor of "Ofioliti" journal special issues on modern and fossil oceanic lithosphere (2006 "Modern and fossil oceanic lithosphere", 2008 "Geodynamics and tectonic significance of the ophiolites from the peri-Mediterranean belts")
- Guest Editor of a Lithos Special issue entitled "Alpine Ophiolites and Modern Analogues" (doi:10.1016/j.lithos.2011.03.012)
- "Ofioliti" Associate Editor from 2014 to 2019
- "Ofioliti" Executive Editor starting from July 30th 2019 (www.ofioliti.it)
- Manuscript reviewer of the following Journals:

Chemical Geology, Geochimica et Cosmochimica Acta, Geochemical Journal, Contributions to Mineralogy and Petrology, Lithos, Mineralogy and Petrology, Ofioliti, Tectonophysics, International Journal of Earth Sciences, Nature Geosciences, European Journal of Mineralogy

Projects and Grants:

-CNR (Italian National Research Council) grants on tectono-metamorphic evolution of the continental and transitional lithosphere of the Western Tethys margins (1998-2000).

-MURST Grant ("Giovani Ricercatori/Ricercatori Singoli anno 2002"): "Testimonianze del magmatismo basico dalla distensione post-Varisica all'oceanizzazione giurassica in Corsica e nell'Appennino settentrionale"

-Participation since 2003 to National Research Projects financed by the Italian Ministry of Research and University (COFIN and PRIN projects) on mantle petrology and geodynamic evolution of the asthenosphere- lithosphere system

- PRIN 2015 GRANT "Melt-rock reaction and melt migration in the MORB mantle through combined natural and experimental studies"

Current national and international scientific collaborations:

- Dipartimento di Scienze della Terra e dell'Ambiente, Università di Pavia, Italy
- Istituto di Geoscienze e Georisorse - CNR, U.O.S. di Pavia, Italy
- Dipartimento di Scienze della Terra, Università di Pisa, Italy
- Dipartimento di Chimica e Scienze Geologiche, Università di Modena, Italy
- Dipartimento di Scienze Biologiche, Geologiche e Ambientali, Università di Bologna, Italy
- Steinmann Institute, University of Bonn, Germany
- Geoscience Montpellier, Université Montpellier 2, France
- Chemistry and Physics of Earth Materials, GeoForschungsZentrum, Potsdam, Germany
- Geol.Survey of Western Australia, Dept. of Mines and Petroleum, Australia

Professional affiliations: member of Geochemical Society, American Geophysical Union, Interridge, Società Italiana di Mineralogia e Petrologia, Società Geologica Italiana

Selected Publications

P. MAURIZOT, D. CLUZEL, M. PATRIAT, J. COLLOT, M. ISEPPI, S. LE SIMPLE, A. SECCHIARI, D. BOSCH, A. MONTANINI, P. MACERA, H. L. DAVIES (2020). Chapter 5, The Eocene Subduction–Obduction Complex of New Caledonia. In: "Geology and Mineral Resources of New Caledonia" Memoir of the Geological Society of London. Ed N. Mortimer- Geological Society, London, Memoirs, 51, 93-130, 2020, <https://doi.org/10.1144/M51-2018-70>

SALVIOLI-MARIANI, E., BOSCHETTI, T., TOSCANI, L., MONTANINI, A., PETRIGLIERI, J.R., BERSANI, D. (2020) - Multi-stage rodingitization of ophiolitic bodies from Northern Apennines (Italy): Constraints from petrography, geochemistry and thermodynamic modelling. *Geosci. Frontiers*, in press. <https://doi.org/10.1016/j.gsf.2020.04.017>

SECCHIARI, A., MONTANINI, A., BOSCH, D., MACERA, P., CLUZEL, D. (2020) - Sr, Nd, Pb and trace element systematics of the New Caledonia harzburgites: tracking source depletion and contamination processes in a SSZ setting. *Geoscience Frontiers*, 11, 37-55, <https://doi.org/10.1016/j.gsf.2019.04.004>

SECCHIARI, A., GLEISSNER, PH., LI, C., GONCHAROV, A., BECKER, H., BOSCH, D., MONTANINI, A. (2020) - Highly siderophile and chalcophile element behaviour in abyssal-type and supra-subduction zone mantle: new insights from the New Caledonia ophiolite. *Lithos*, 354-355, <https://doi.org/10.1016/j.lithos.2019.105338>

SECCHIARI, A., MONTANINI, A., BOSCH, D., MACERA, P., CLUZEL, D. (2019) - Origin of the spinel-pyroxene symplectites in the harzburgites from the New Caledonia Peridotite. *Ophioliti* 44, 31-42

SECCHIARI, A., MONTANINI, A., BOSCH, D., MACERA, P., CLUZEL, D. (2018) The contrasting

geochemical message from the New Caledonia gabbro-norites: insights on depletion and contamination processes of the sub-arc mantle in a nascent arc setting. *Contrib. Mineral.Petrol.*, in press. DOI: 10.1007/s00410-018-1496-8

LO PO', D., BRAGA, R., MASSONNE, H.J., MOLLI, G., MONTANINI, A., BARGOSSO, G. (2017). High-pressure tectono-metamorphic evolution of mylonites from the Variscan basement of the Northern Apennines, Italy. *J. METAM. GEOL.*, doi:10.1111/jmg.12281

SECCHIARI, A., MONTANINI, A., BOSCH, D., MACERA, P., CLUZEL, D. (2016) Melt extraction and enrichment processes in the New Caledonia lherzolites: evidence from geochemical and Sr-Nd isotope data. *Lithos* 260, 28-43, doi: 10.1016/j.lithos.2016.04.030

LO PO, D., BRAGA, R., MASSONNE, H.C., MOLLI, G. MONTANINI, A., THEYE, T. (2016) "Fluid-induced breakdown of monazite in medium-grade metasedimentary rocks of the Pontremoli basement (Northern Apennines, Italy)", *Journal of Metamorphic Geology*, 34: 63-84, doi: 10.1111/jmg.12171

MONTANINI, A., TRIBUZIO, R. (2015). Evolution of recycled crust within the mantle: constraints from the garnet pyroxenites of the External Ligurian ophiolites, N Apennine, Italy. *Geology*, 43: 911-914, doi: 10.1130/G36877.1

BELTRANDO, M., ZIBRA, I., MONTANINI, A., TRIBUZIO, R. (2013) Crustal thinning and exhumation along a fossil magma-poor distal margin preserved in Corsica: a hot rift to drift transition? *Lithos*, 168-169: 99-112.

MONTANINI, A., TRIBUZIO, R., THIRLWALL, M. (2012) Garnet clinopyroxenite layers from the mantle sequences of the Northern Apennine ophiolites (Italy): evidence for recycling of crustal material. *Earth Planet. Sci. Lett.* 351-352: 171-181, <http://dx.doi.org/10.1016/j.epsl.2012.07.033>

ZIBRA I., KRUEHL J.H. , MONTANINI, A., TRIBUZIO, (2012) Shearing of magma along a high-grade shear zone: evolution of microstructures during the transition from magmatic to solid state flow. *Journal of Structural Geology* 137, 150-160.

MONTANINI, A., TRIBUZIO, R., PICCARDO, G.B., DICK, H. (2011) Alpine ophiolites and modern analogues, *Lithos*, 124 (3-4), doi:10.1016/j.lithos.2011.03.012

MONTANINI A., TRIBUZIO R., BERSANI D. (2010) Insights into the origin of mantle graphite and sulphides in garnet pyroxenites from the External Liguride peridotites (Northern Apennine, Italy) in : (M.Colorti, H.Downes, M.Gregoire, O'Reilly S.Y. eds.) "Petrological evolution of the European Lithospheric Mantle", *GEOLOGICAL SOCIETY OF LONDON SPECIAL PUBLICATION*. GEOLOGICAL SOCIETY OF LONDON , London: vol. 337, p.87- 105

MONTANINI A.; TRIBUZIO R; VERNIA L (2008) Petrogenesis of basalts and gabbros from an ancient continent-ocean transition (External Liguride ophiolites, Northern Italy). *LITHOS* 101, 453- 479.

MONTANINI A.; TRIBUZIO R; ANZKIEWICZ R (2006) Exhumation history of a garnet pyroxenite-bearing mantle section from a continent-ocean transition (Northern Apennine ophiolites, Italy). *JOURNAL OF PETROLOGY* 47, 1943- 1971.

MONTANINI A.; TRAVAGLIOLI M; SERRI G; DOSTAL J. AND RICCI C.A (2006) Petrology of gabbroic to plagiogranitic rocks from southern Tuscany (Italy): evidence for magmatic differentiation in a ophiolitic sequence. *Ophioliti* 31, 55- 69.

MONTANINI A.; HARLOV D (2006) Petrology and mineralogy of granulite-facies mafic xenoliths (Sardinia, Italy): evidence for KCl metasomatism in the lower crust. *LITHOS* 92, 588- 608.

MARRONI M.; MOLLI G.; MONTANINI A.; OTTRIA G.; PANDOLFI L.; TRIBUZIO R. (2002) The External

Ligurian units (Northern Apennine, Italy): from rifting to convergence of a fossil ocean-continent transition zone. *OFIOLITI* 27, 119- 131.

MOLLI G.; MONTANINI A.; FRANK W. (2002) MORB-derived Variscan amphibolites in the Northern Apennine basement: the Cerreto metamorphic slices (Tuscan-Emilian Apennine, NW Italy). *OFIOLITI* 27, 17- 30.

DI BATTISTINI G.; MONTANINI A.; VERNIA L.; VENTURELLI G.; TONARINI S. (2001) Petrology of melilite-bearing rocks from Montefiascone Volcanic Complex (Roman Magmatic Province): new insights into the ultrapotassic volcanism of central Italy. *LITHOS* 59, 1- 24

MONTANINI A.; A.; TRIBUZIO; R. (2001) Gabbro-derived and felsic granulites from the Northern Apennines (Italy): evidence for emplacement of tholeiitic basalts in the post-Variscan lower crust. *JOURNAL OF PETROLOGY* 42, 2259- 2277.

MARRONI M.; MONTANINI A.; MOLLI G.; TRIBUZIO R (1998) The association of continental crust rocks with ophiolites in the Northern Apennines (Italy): implications for the continent-ocean transition in the Western Tethys. *TECTONOPHYSICS* 292, 43- 66.

Scientific Reports- Congress Abstracts 2000-2019

- MONTANINI, A., TRIBUZIO, R., BOSCH, D., RUMBOLO, T. (2019). Origin of chemical and Nd-Hf isotope heterogeneity in depleted mantle domains from the Alpine-Apennine ophiolites. *Goldschmidt Conf. Abstracts, Barcelona (Spain), August 18-23.*
- SALVIOLI-MARIANI, E., BOSCHETTI, T., TOSCANI, L., MONTANINI, A., PETRIGLIERI, J.R., BERSANI, D. (2019). Multi-stage rodingitization of ophiolitic bodies from Northern Apennines (Italy): constraints from petrography, geochemistry and thermodynamic modelling. *Congresso SIMP-SGI 2019, Parma, 16-19 settembre*
- MALASPINA, N., LANGENHORST, F., MONTANINI, A. (2019) The oxidation state of C-S-bearing garnet clinopyroxenites from External Liguride (Italy) and Beni Bousera (Morocco): a TEM-EELS study. *Congresso SIMP-SGI 2019, Parma, 16-19 settembre*
- MONTANINI, A., SECCHIARI, A., BOSCH, D., TRIBUZIO, R. (2019). Pb isotope composition of recycled mantle pyroxenites: insights into the HIMU source of oceanic basalts? *Congresso SIMP-SGI 2019, Parma, 16-19 settembre.*
- FERRARI, E., MONTANINI, A., SECCHIARI, A., BOSCH, D., CLUZEL, D. (2019). Pyroxenite diversity in the New Caledonia mantle sequence: a preliminary study. *Congresso SIMP-SGI 2019, Parma, 16-19 settembre.*
- CLUZEL, D., AITCHISON, J., SECCHIARI, A., MONTANINI, A., BOSCH, D. (2019). New Caledonia Ophiolite, marginal rifting to fore-arc evolution. *IGCP 649 Workshop, Oman November 12-22.*
- MONTANINI, A., SECCHIARI, A., BOSCH, D., MACERA, P., CLUZEL, D. (2019). The geochemical message from the New Caledonia gabbro-norites: insights on depletion and contamination processes of the sub-arc mantle in a nascent arc setting. *New Caledonia Peridotite Amphibious Drilling Workshop 22, 23 and 24th January 2019, Montpellier, France*
- SECCHIARI, A., MONTANINI, A., BOSCH, D., MACERA, P., CLUZEL, D. (2019). geochemical and Sr-Nd-Pb isotope investigation of the New Caledonia peridotite nappe: unravelling the history of a poorly known mantle section. *New Caledonia Peridotite Amphibious Drilling Workshop 22, 23 and 24th January 2019, Montpellier, France*
- MONTANINI, A., TRIBUZIO, R., LUGUET, A., VAN ACKEN, D. (2018) - From crustal protoliths to mantle pyroxenites: a highly siderophile elements and Os isotope perspective from the External Liguride mantle section (N Apennine, Italy). *Congresso SGI-SIMP, Catania 12-14 settembre 2018*
- MONTANINI, A., TRIBUZIO, R., VAN ACKEN, D., LUGUET, A. (2018) - An undeformed pyroxenite-peridotite sequence from the External Ligurian ophiolites records multiple events of melt-rock interactions. *3rd EMAW (European Mantle Workshop) Pavia 25-30 giugno 2018.*
- SECCHIARI, ARIANNA; MONTANINI, ALESSANDRA; BOSCH, DELPHINE; MACERA, PATRIZIA; CLUZEL, DOMINIQUE (2017). The contrasting geochemical message from the New Caledonia gabbro-norites: insights on depletion and contamination processes of the sub-arc mantle in a nascent arc setting. pp.286-286. In *CONGRESSO SIMP-SGI-SOGEI-AIV 2017 Abstract Book*, p.286.
- SECCHIARI, ARIANNA; BECKER, HARRY; GLEIßNER, P.; LI, C.; MONTANINI, ALESSANDRA; BOSCH, DELPHINE (2017). Evidence from the New Caledonia peridotites for contrasting behavior of highly siderophile and chalcophile elements in supra-subduction zone and normal upper mantle. In *CONGRESSO SIMP-SGI-SOGEI-AIV 2017 Abstract Book*, p. 285.
- VAN ACKEN, D.; LUGUET, A.; MONTANINI, A.; DEBAILLE, V.; TRIBUZIO, R.; NOWELL, G.M.; DALY, G.S. (2017). Pyroxenites as carriers of isotopic heterogeneity in the oceanic mantle. In *Goldschmidt Conference Abstracts, Parigi.*
- RUMBOLO, TANCREDI; MONTANINI, ALESSANDRA; TRIBUZIO, RICCARDO; BOSCH, DELPHINE (2017). Melt-rock reactions in the mantle peridotites from Tuscany ophiolites. In *CONGRESSO SIMP-SGI-SOGEI-AIV 2017 Abstract Book*, p. 281.
- MONTANINI, ALESSANDRA, LUGUET, AMBRE, VAN ACKEN, DAVID, TRIBUZIO, RICCARDO (2017). From crustal protoliths to mantle garnet pyroxenites: a highly siderophile elements and Os isotope perspective from the Ligurian mantle section (N. Apennine, Italy). In *AGU Fall Meeting Abstract Volume vol. DI51B-0302*

- MONTANINI, ALESSANDRA; TRIBUZIO, RICCARDO; VAN ACKEN, D., LUGUET, AMBRE (2017). Multiple events of melt-rock interaction recorded by undeformed spinel pyroxenites from the External Ligurian ophiolites. In CONGRESSO SIMP-SGI-SOGEI-AIV 2017 Abstract Book p. 274.
- SECCHIARI A., MONTANINI A., BOSCH D., MACERA P., CLUZEL D. (2016). Subduction-related ultradepleted melts in a nascent arc: geochemical and isotopic evidence from the intrusive sequence of the New Caledonia ophiolite. 2nd European Mineralogical Conference (EMC 2016), Rimini 11-15 September 2016
- SECCHIARI A., MONTANINI A., BOSCH D., MACERA P., CLUZEL D. (2016). Melt extraction and enrichment processes in the New Caledonia lherzolites Rend. Online Soc. Geol. It., Suppl. n. 1 al Vol. 40 (2016) 88° Congresso SGI, Napoli 2016
- MONTANINI, A., LUGUET A., VAN ACKEN D., TRIBUZIO, R. (2015). Highly siderophile elements and Os isotope compositions of recycled mantle pyroxenites: a case study from the Ligurian mantle section (N Apennine, Italy). 2nd European Mantle Workshop, Wroclaw Poland 26-28 August 2015
- LO PO', D., BRAGA R., THEYE T., MASSONNE H.-J., MONTANINI A. & MOLLI G. (2014): Linking the formation of coronitic microstructures around monazite to the growth of garnet in the Pontremoli well metapelites (Northern Apennines, Italy). Rendiconti Soc. Geol. It., 31 Suppl. 1: 473. Congresso SGI-SIMP, Milano 10-12 settembre 2014
- SECCHIARI, A., BOSCH, D., CLUZEL, D., MACERA, P., MONTANINI A. (2014); Ultra-depleted peridotites from New Caledonia: a reappraisal. Rendiconti Soc. Geol. It., 31 Suppl. 1: 399. Congresso SGI-SIMP, Milano 10-12 settembre 2014
- MONTANINI A., TRIBUZIO R., ZANETTI A., ZIBRA A. (2014): Refertilization of subcontinental mantle recorded by the lherzolite-websterite-hornblendite association from St. Lucia (Corsica). association from St. Lucia (Corsica). Rendiconti Soc. Geol. It., 31 Suppl. 1: 392. Congresso SGI-SIMP, Milano 10-12 settembre 2014
- MONTANINI A., BRUNELLI, D., PAGANELLI E. (2014). Mantle xenoliths from Sardinia (Italy): evidence for reaction between refractory peridotites and carbonatite melts. 6th Lherzolite Conf., 4-15 Maggio 2014, Marrakech, Morocco.
- SECCHIARI, A., BOSCH, D., CLUZEL, D., MACERA, P., MONTANINI A. (2014). Multi-stage evolution of peridotites from New Caledonia: preliminary results. 6th Lherzolite Conf., 4-15 Maggio 2014, Marrakech, Morocco.
- MONTANINI, A., LUGUET, A., KÖNIG, S., TRIBUZIO, R. (2013). Highly siderophile and chalcophile element systematics of crust-derived Ligurian garnet pyroxenites. Mineral. Mag. 77(5), 1782
- MONTANINI, A., TRIBUZIO, R., THIRLWALL, M. (2012). Garnet clinopyroxenite layers from the mantle sequences of the Northern Apennine ophiolites (Italy): evidence for recycling of crustal material. European Mineralogical Conference (EMC 2012), Frankfurt (Germany), 2-6 settembre 2012
- DEBORAH LO PO, ROBERTO BRAGA, ALESSANDRA MONTANINI, GIANCARLO MOLLI (2012). Tectono-metamorphic evolution of medium-grade metapelites of the Northern Apennine Paleozoic basement inferred from quantitative modeling of microstructures. (2012). European Mineralogical Conference (EMC 2012), Frankfurt (Germany), 2-6 settembre 2012
- VALERIO PASINI, DANIELE BRUNELLI, FRANCOIS GUYOT, MONTANINI A., MURIEL ANDREANI, KARIM BENZERARA, SYLVAIN BERNARD, PAUL DUMAS, JONI FREDERICK, CHRISTOPHE SANDT, MAURO ZAPPAROLI, BÉNÉDICTE MÉNEZ (2012) Serpentinization fuel deep microbial ecosystems in the hydrating mantle, The deep sea and sub seafloor frontiers conference, Sitges (Spain), 11-14 marzo 2012
- MONTANINI, R. TRIBUZIO, M. THIRLWALL (2011). Multi-stage evolution of the External Liguride mantle section. In: Corse Alp 2011 - Abstract Volume. St. Florent, Corsica (Francia), 12-13 aprile 2011
- MONTANINI A., TRIBUZIO R., THIRLWALL M. (2010). Tectono-magmatic evolution of the External Ligurian mantle section (Northern Apennine, Italy). In: -. Rendiconti della Società Geologica Italiana. RENDICONTI ONLINE DELLA SOCIETÀ GEOLOGICA ITALIANA, vol. 11, p. 132-133, ISSN: 2035-8008, Pisa, 6-8 Settembre 2010
- MONTANINI A., TRIBUZIO R., ZANETTI A. (2010). A subcontinental mantle-lower crust association: new data on the veined mantle from Santa Lucia Unit (Central Corsica). In: -. 89° Congresso Società Italiana di Mineralogia e Petrologia. PLINIUS, vol. 36, ISSN: 1972-1366, Ferrara, 13-15 settembre 2010
- MONTANINI A., BEGARANI S. (2010). Metasomatism in the lithospheric mantle beneath Sardinia: new evidence from wehrlite and harzburgite xenoliths. In: -. 89° Congresso Società Italiana di Mineralogia e Petrologia . PLINIUS, vol. 36, ISSN: 1972-1366, 13-15 settembre 2010
- MONTANINI A., TRIBUZIO R. THIRLWALL, M (2009). Evidence for crustal recycling and refertilisation in the subcontinental lithospheric mantle: the peridotite-pyroxenite sequence from the External Ligurides, Northern Italy. In: Awards Ceremony Speeches and Abstracts of the 19th Annual V.M. Goldschmidt Conference, V.M. Goldschmidt Conference. GEOCHIMICA ET COSMOCHIMICA ACTA, vol. 73 , p. A896, ISSN: 0016-7037, Davos (Svizzera), 21-26 giugno 2009.
- MONTANINI A., TRIBUZIO R, THIRLWALL M (2009). Pre-oceanic evolution of lithospheric mantle from a non-volcanic margin: the peridotite-pyroxenite sequence from the External Liguride ophiolites (Northern Italy). In: "Alpine Ophiolites and Modern Analogues" Abstract Volume. p. 49-50, Parma, 30 settembre-2 ottobre
- MONTANINI A., TRIBUZIO R, BERSANI D (2008). Origin of graphite and sulphides in garnet clinopyroxenite layers from the External Liguride mantle peridotites (Northern Apennine ophiolites, Italy). In: AGU Chapman Conference on Shallow Mantle Composition and Dynamics, Fifth International Orogenic Lherzolite Conference- Abstracts. Mount Shasta CA (USA), 22-26 settembre 2008
- MONTANINI A., PICCARDO G.B, TRIBUZIO R (2008). Mantle Evolution from Continental Rifting to Ocean Birth: The Record of Alpine-Apennine Ophiolitic Peridotites. In: 2008 GSA Joint Annual Meeting Abstracts. Houston (USA), 5-9 ottobre 2008
- MONTANINI A., TRIBUZIO R. (2007). Record of lithospheric thinning in the subcontinental mantle (External Liguride Ophiolites, Northern Apennine, Italy): from rifting to continental breakup. In: -.Ofioliti Special Section "HT shear zones in the lithosphere". OFIOLITI, vol. 32, p. 63, Pisa:Edizioni ETS, ISSN: 0391-2612, Chiavari, Italia, 23-24 maggio 2007

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- MONTANINI A., TRIBUZIO, R, THIRLWALL, M (2006). Garnet pyroxenite layers from the mantle peridotites of the Northern Apennine ophiolites, Italy: evidence for recycling of crustal material ?. In: *Geochimica et Cosmochimica Acta Supplement. GEOCHIMICA ET COSMOCHIMICA ACTA*, vol. 70, p. 426, ISSN: 0016- 7037, MELBOURNE (AUSTRALIA), 27 AGOSTO-2 SETTEMBRE
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- MONTANINI A., HARLOV D. (2004). Evidence for KCl metasomatism in mafic xenoliths from the lower crust. In: *EOS, Transactions, American Geophysical Union. EOS, TRANSACTIONS*, vol. 45, AGU Fall Meeting 13-17 Dicembre 2004
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