

## References for Dar al Gani Shergottite

(compiled by C. Meyer, Oct 2012)

---

- Abu Aghreb A.E., Ghadi A.M., Schlüter J., Schultz L. and Thiedig F. (2003) Hamadah al Hamra and Dar al Gani: A comparison of two meteorite fields in the Libyan Sahara (abs). *Meteorit. & Planet. Sci.* **38**, A48.
- Barrat J-A., Blichert-Toft J., Nesbitt R.W. and Keller F. (2001c) Bulk chemistry of Saharan Shergottite Dar al Gani 476. *Meteorit. & Planet. Sci.* **36**, 23-29.
- Bartoschewitz R. and Ackermann D. (2001) Dar al Gani 876, a further fragment of the DaG-Shergottite (abs). *Meteorit. & Planet. Sci.* **36**, A15.
- Bereznov A.A., Bunch T.E., Ma P., Herzog G.F., Knie K., Rugel G., Faestermann T. and Korschinek G. (2008) Al-26, Be-10 and Mn-53 in Martian meteorites (abs#5306). *Meteorit. & Planet. Sci.* **45**, A13.
- Bishop J.L., Parente M. and Hamilton V.E. (2011) Spectral signatures of Martian meteorites and what they can tell us about rocks on Mars (abs#5393). *Meteorit. & Planet. Sci.* **46**, A20.
- Borg L.E., Nyquist L. E., Weismann H., Reese Y. and Papike J.J. (2000) Sr-Nd isotopic systematics of Martian meteorite DaG476 (abs#1036). *Lunar Planet. Sci. XXXI* Lunar Planetary Institute, Houston.
- Borg L.E., Nyquist L.E., Wiesmann H., Shih C-Y. and Reese Y. (2003d) The age of Dar al Gani 476 and the differentiation history of the Martian meteorites inferred from their radiogenic isotopic systematics. *Geochim. Cosmochim. Acta* **67**, 3519-3536.
- Bouvier Audrey, Blichert-Toft J., Vervoort J.D. and Albererde F. (2005b) The age of SNC meteorites and the antiquity of the Martian surface. *Earth Planet. Sci. Lett.* **240**, 221-233.
- Brandon A.D., Walker R.J., Morgan J.W. and Goles G.G. (2000a) Re-Os isotopic evidence for early differentiation of the Martian mantle (abs#1676). *Lunar Planet. Sci. XXXI*, Lunar Planetary Institute, Houston.
- Brandon A.D., Walker R.J., Morgan J.W. and Goles G.G. (2000b) Re-Os isotopic evidence for early differentiation of the Martian mantle. *Geochim. Cosmochim. Acta* **64**, 4083-4095.
- Brandon A.D., Walker R.J., Putchel I.S. and Irving A.J. (2008) Re-Os isotopic systematics of the Shergottite ‘depleted’ end-member (abs#1404). *Lunar Planet. Sci. XXXIX* Lunar Planetary Institute, Houston.
- Brandon A.D., Putchel I.S., Walker R.J., Day J.M.D., Irving A.J. and Taylor L.A. (2012) Evolution of the Martian mantle inferred from the  $^{187}\text{Re}$ - $^{187}\text{Os}$  isotope and high siderophile element systematics of the Shergottite meteorites. *Geochim. Cosmochim. Acta* **76**, 206-235.
- Bridges J.C. and Grady M.M. (2001) Chromite chemistry in SNC meteorites (abs). *Meteorit. & Planet. Sci.* **36**, A30.
- Cartwright J.A., Burgess R. and Gilmour J.D. (2009a) Xenon isotopes in Shergottites RBT 04262, DAG 489, Shergotty and EET 79001 (abs#1907). *Lunar Planet. Sci. XL*, Lunar Planetary Institute @ The Woodlands.
- Cartwright J.A., Ocker K.D., Crowther S.A., Burgess R. and Gilmour J.D (2009c) Terrestrial and Martian weathering signatures of Xenon components in Shergottite mineral separates. *Meteorit. & Planet. Sci.*

**45**, 1359-1378.

- Chen M., El Goresy A., Reynard B. and Gillet P. (2001) A comparative Raman spectroscopic study of maskelynite in SNC meteoeites and diaplectic glass from the Ries crater: Implications to their origin (abs). *NIPR Sym. Antarctic Meteorites* **24th**, 10-12. Nat. Inst. Polar Res., Tokyo.
- Crozaz G. and Wadhwa M. (1999) Chemical alteration of hot desert meteorites: The case of Shergottite Dar al Gani 476. In Workshop on Extraterrestrial Materials from Cold and Hot Deserts. LPI Cont. 997. (eds. Schultz *et al.*) Lunar Planetary Institute, Houston.
- Crozaz G. and Wadhwa M. (2001) The terrestrial alteration of Saharan Shergottites Dar al Gani 476 and 489: A case study of weathering in a hot desert environment. *Geochim. Cosmochim. Acta* **65**, 971-978.
- Debaille V., Yin Q-Z., Brandon A.D. and Jacobsen B. (2008) Martian mantle mineralogy investigated by the  $^{176}\text{Lu}$ - $^{176}\text{Hf}$  and  $^{147}\text{Sm}$ - $^{143}\text{Nd}$  systematic of Shergottites. *Earth Planet. Sci. Lett.* **269**, 186-199.
- Dreibus G., Haubold R., Huisl W. and Spettel B. (2003b) Comparison of the chemistry of Yamato 980459 with DaG 476 and SaU 005 (abs). International Symposium. *Evolution of Solar System: A New Perspective from Antarctic Meteorites*, 19-20. Nat. Inst. Polar Res., Tokyo.
- Edmunson J., Borg, L.E., Shearer C., Papike J.J. and Davidson K. (2001) High-Si glasses in basaltic Shergottite DaG 476 and their implications for geochronology (abs). *Lunar Planet. Sci.* **XXXII**, #1439. Lunar Planetary Institute, Houston.
- Edmunson J., Borg L.E., Shearer C.K. and Papike J.J. (2005) Defining the mechanisms that disturb the Sm-Nd isotopic systematics of the Martian meteorites: Examples from Dar al Gani and Allan Hills 77005. *Meteorit. & Planet. Sci.* **40**, 1159-1174.
- Folco L., Franchi I.A., Scherer P., Schultz L. and Pillinger C.T. (1999) Dar al Gani 489 basaltic Shergottite: A new find from the Sahara likely paired with Dar al Gani 476 (abs). *Meteorit. & Planet. Sci.* **34**, A36-37.
- Folco L. and Franchi I.A. (2000) Dar al Gani 670 Shergottite: A new fragment of the Dar al Gani 476/489 Martian meteorite (abs). *Meteorit. & Planet. Sci.* **35**, A54-55.
- Folco L. and Rastelli N. (2000) The meteorite collection of the Museo Nazionale dell'Antartide in Siena (abs). *Meteorit. & Planet. Sci.* **35**, A189-198.
- Folco L., Franchi I.A., D'Orazio M., Rocchi S. and Schultz L. (2000) A new Martian meteorite from the Sahara: The Shergottite Dar al Gani 489. *Meteorit. & Planet. Sci.* **35**, 827-839.
- Franchi I.A., Wright I.P., Sexton A.S. and Pillinger C.T. (1999) The oxygen-isotopic composition of Earth and Mars. *Meteorit. & Planet. Sci.* **34**, 657-661.
- Fritz J., Greshake A., Hecht L. and Stöffler D. (2002) Shock metamorphism of Martian meteorites: New data from quantitative shock barometry (abs#1504). *Lunar Planet. Sci.* **XXXIII** Lunar Planetary Institute, Houston.
- Garrison D.H. and Bogard D.D. (2001) Argon-39-argon-40 “ages” and trapped argon for three Martian Shergottites (abs). *Meteorit. & Planet. Sci.* **36**, A62-63.
- Ghadi A.M., Aghreb A.E. Abu, Schlüter J., Schultz L. and Thiedig F. (2003) The Dar al Gani meteorite field in the Libyan Sahara (abs). *Meteorit. & Planet. Sci.* **38**, A49.

- Greshake A. and Stöffler D. (1999) Shock metamorphic features in the SNC meteorite Dar al Gani 476 (abs#1377). *Lunar Planet. Sci.* **XXX** Lunar Planetary Institute, Houston.
- Greshake A. and Stöffler D. (2000) Shock related melting phenomena in the SNC meteorite Dar al Gani 476 (abs#1043). *Lunar Planet. Sci.* **XXXI** Lunar Planetary Institute, Houston.
- Greshake A., Fritz J. and Bottger U. (2011) Ringwoodite in the Martian Shergottite Dar al Gani 670: The role of shearing (abs#1092). *Lunar Planet. Sci. Conf.* Lunar Planetary Institute @ The Woodlands.
- Grossman J.N. (1998) The Meteoritical Bulletin, No. 83, 1999 July. *Meteorit. & Planet. Sci.* **34**, A169-186.
- Grossman J.N. (2000) The Meteoritical Bulletin, No. 84, 2000 August. *Meteorit. & Planet. Sci.* **35**, A199-225.
- Grossman J.N. and Zipfel J. (2001) The Meteoritical Bulletin, No. 85, 2001 September. *Meteorit. & Planet. Sci.* **36**, A293-A322.
- Herd C.D.K. and Papike J.J. (1999) Implications for the petrogenesis of Martian meteorite Dar al Gani 476 from spinel, olivine and pyroxene compositions (abs). P-62, GSA, Denver.
- Herd C.D.K., Shearer C.K. and Papike J.J. (2000b) Systematics of Ni and Co in olivine from planetary melt systems: Martian basalts Dar al Gani 476 and EETA79001 (abs#1390). *Lunar Planet. Sci.* **XXXI**, Lunar Planetary Institute, Houston .
- Herd C.D.K. and Papike J.J. (2000c) Oxygen fugacity of the Martian basalts from analysis of iron-titanium oxides: Implications for Mantle-crust interaction on Mars (abs). *Meteorit. & Planet. Sci.* **35**, A70.
- Herd C.D.K., Jones J.H., Schearer C.K. and Papike J.J. (2001a) Systematics of Ni, Co, Cr and V in olivine from planetary melt systems: Martian basalts (abs#1635). *Lunar Planet. Sci.* **XXXII** Lunar Planetary Institute, Houston.
- Herd C.D.K., Karner J.M., Shearer C.K. and Papike J.J. (2001c) The effect of oxygen fugacity on Co and Ni partitioning in olivine: Insights into Martian magmas (abs). *Meteorit. & Planet. Sci.* **36**, A78-79.
- Herd C.D.K., Papike J.J. and Brearley A.J. (2001d) Oxygen fugacity of Martian basalts from electron microprobe oxygen and TEM-EELS analysis of Fe-Ti oxides. *Amer. Mineral.* **86**, 1015-1024.
- Hidaka H., Yoneda S. and Nishiizumi K. (2009) Cosmic ray exposure histories of Martian meteorites studied from neutron capture of Sm and Gd isotopes. *Earth Planet. Sci. Lett.* **288**, 564-571.
- Ikeda Y. (2001a) Magmatic inclusions in the DaG 735 Shergottite (abs). *NIPR Sym. Antarctic Meteorites 24th*, 43. Nat. Inst. Polar Res., Tokyo.
- Ikeda Y. (2001b) Magmatic and unusual inclusions in olivine grains in the Dar al Gani 735 Shergottite (abs). *Meteorit. & Planet. Sci.* **36**, A86.
- Ikeda Y. (2005a) Magmatic inclusions in Martian meteorites. *Antarct. Meteorite Res.* **18**, 170-187. Nat. Inst. Polar Res., Tokyo.
- Ikeda Y. (2005b) Unusual inclusions within olivine megacrysts in the Dar al Gani 735 Shergottite. *Antarct. Meteorite Res.* **18**, 202-212. Nat. Inst. Polar Res., Tokyo.
- Irving A.J., Bunch T.E., Wittke J.H. and Kuehner S.M. (2005) Olivine-orthopyroxene-phyric Shergottites

NWA 2626 and DaG 476: The Tharsis connection (abs#1229). *Lunar Planet. Sci. XXXVI*, Lunar Planet. Institute, Houston.

Jagoutz E., Bogdanovski O., Krestina N. and Jotter R. (1999) DAG: A new age in the SNC family, or the first gathering of relatives (abs#1808). *Lunar Planet. Sci. XXX* Lunar Planetary Institute, Houston.

Kleine T., Mezger K., Münker C., Palme H. and Bischoff A. (2004)  $^{182}\text{Hf}$ - $^{182}\text{W}$  isotope systematics of chondrites, eucrites, martian meteorites: Chronology of core formation and early mantle differentiation in Vesta and Mars. *Geochim. Cosmochim. Acta* **68**, 2935-2946.

Koizumi E., Mikouchi T., Monkawa A. and Miyamoto M. (2003a) Crystallization experiments of Dar al Gani Martian meteorites: A preliminary report (abs#1567). *Lunar Planet. Sci. XXXIV* Lunar Planetary Institute, Houston.

Koizumi E., Mikouchi T., Monkawa A. and Miyamoto M. (2004c) Origin of olivine megacrysts and the groundmass crystallization of the Dar al Gani 476 Shergottite. *Antarct. Meteorite Res.* **17**, 84-96. Nat. Inst. Polar Res., Tokyo.

Lenz R.C.F. and McSween H.Y. (1999b) Basaltic Shergottite crystallization: A quantitative textural analysis (abs). *Meteorit. & Planet. Sci.* **34**, A74.

Lenz R.C.F. and McSween H.Y. (2000) Crystallization of the basaltic Shergottites: Insights from crystal size distribution (CSD) analysis of pyroxenes. *Meteorit. & Planet. Sci.* **35**, 919-927.

Lenz R.C.F., McSween H.Y., Nazarov M.A. and Taylor L.A. (2001a) A textural consideration of Dhofar 019 with comparisons to other basaltic Shergottites (abs#1742). *Lunar Planet. Sci. XXXII* Lunar Planetary Institute, Houston.

Lorand J-P., Chevrier V. and Viola Sautter (2005) Sulfide mineralogy and redox conditions in some Shergottites. *Meteorit. & Planet. Sci.* **40**, 1257-1272.

Mautner M.N. and Sinaj S. (2002) Water-extractable and exchangeable phosphate in Martian and carbonaceous chondrite meteorites and in planetary soil analogs. *Geochim. Cosmochim. Acta* **66**, 3161-3174.

McHone J.F., Kudryavtsev A.B., Agresti D.G., Wdowiak T.J. and Killgore M. (1999) Raman imagery of Martian meteorites (abs#1896). *Lunar Planet. Sci. XXX* Lunar Planetary Institute, Houston.

Mikouchi T. (1999) Preliminary examination of Dar al Gani 476: A new basaltic Martian meteorite similar to lithology A of EETA79001 (abs#1557). *Lunar Planet. Sci. XXX* Lunar Planetary Institute, Houston.

Mikouchi T., Miyamoto M. and McKay G.A. (1999a) Cooling rates of olivine in the Martian meteorites Dar al Gani 476 and Elephant Moraine 79001 (abs). *Meteorit. & Planet. Sci.* **34**, A81-82.

Mikouchi T., Miyamoto M. and McKay G.A. (1999c) Olivine megacrysts in the basaltic Martian meteorites Dar al Gani 476 and EETA79001: Cooling rates deduced from Fe-Mg zoning of olivine (abs). *NIPR Sym. Antarctic Meteorites* **24th**, 102-104. Nat. Inst. Polar Res., Tokyo.

Mikouchi T., Miyamoto M. and McKay G. A. (2001b) Mineralogy and petrology of the Dar al Gani 476 Martian meteorite: Implications for its cooling history and relationship to other Shergottites. *Meteorit. & Planet. Sci.* **36**, 531-548.

Miyahara M., Ohtani E., Ozawa S., Kimura M., El Goresy Ah., Sakai T., Nagase T., Hiraga K., Hirao N. and Ohishi Y. (2011) First evidence for natural dissociation of olivine to silica-perovskite and

magnesiowustite in a shocked Martian meteorite DaG735 (abs#5047). *Meteorit. & Planet. Sci.* **46**, A164.

Miyamoto M., Koizumi E. and Mikouchi T. (2009) Cooling rates of Y980459 and DaG496 (abs#1143). *Lunar Planet. Sci.* **XL**, Lunar Planetary Institute @The Woodlands.

Mohapatra R.K., Schwenzer S.P., Herrmann S., Murty S.V.S., Ott U. and Gilmour J.D. (2009) Noble gases and nitrogen in Martian meteorites Dar al Gani 476, Sayh al Uhaymir 005 and Lewis Cliff 88516: EFA and extra neon. *Geochim. Cosmochim. Acta* **42**, 131-148.

Münker C., Mezger K. and Bischoff A. (2001) Nb-Zr constraints on early silicate differentiation on Mars. *Meteorit. & Planet. Sci.* **36**, A143.

Murty S.V.S. and Mohapatra R.K. (1999a) Cosmogenic and trapped gas components in the Martian meteorite Dar al Gani 476 from hot desert. In Workshop on Extraterrestrial Materials from Cold and Hot Deserts. LPI Cont. 997. (eds. Schultz *et al.*) Lunar Planetary Institute, Houston.

Nishiizumi K., Masarik J., Welton K.C., Caffee M.W., Jull A.J.T. and Klandrud S.E. (1999) Exposure history of new Martian meteorite Dar al Gani 476 (abs#1966). *Lunar Planet. Sci.* **XXX** Lunar Planetary Institute, Houston.

Nishiizumi K., Caffee M.W., Jull A.J.T. and Klandrud S.E. (2001) Exposure history of Shergottites Dar al Gani 476/489/670/735 and Sayh al Uhaymir 005 (abs#2117). *Lunar Planet. Sci.* **XXXII** Lunar Planetary Institute, Houston.

Nyquist L.E., Bogard D.D., Shih C-Y., Greshake A., Stoffler D. and Eugster O. (2001a) Ages and geologic histories of Martian meteorites. In *Chron. & Evol. of Mars* (ISSI) **96**, 105-164. Kluwer Academic Publishers. The Netherlands. (*a review*)

Nyquist L.E., Bogard D.D. and Shih C-Y. (2001b) Radiometric chronology of the Moon and Mars. In *The Century of Space Science*. Vol. II, ch. 55, 1325-1376. (ed. Bleeker, Geiss and Huber) Kluwer Academic Publishers. The Netherlands. (*a review*) <http://www.thecenturyofspacescience.com>

Park Jisun, Okazaki R., and Nagao K. (2001) Noble gases in SNC meteorites: Dar al Gani 489, Sayh al Uhaymir 005 and Dhofar 019 (abs). *Meteorit. & Planet. Sci.* **36**, A121-122.

Park J., Okazaki R. and Nagao K. (2003a) Noble gas studies of Martian meteorites: Dar al Gani 476/489, Sayh al Uhaymir 005/060, Dhofar019, Los Angeles 001and Zagami (abs#1213). *Lunar Planet. Sci.* **XXXIV**. Lunar Planetary Institute, Houston.

Papike J.J., Karner J.M., Spilde M.N., Shearer C.K. and Burger P.V. (2009b) Silicate mineralogy of Martian meteorites. *Geochim. Cosmochim. Acta* **73**, 7443-7485. (*invited review with great pictures of textures*)

Park J., Bogard D.D. and Garrison D.H. (2008a)  $^{39}\text{Ar}$ - $^{40}\text{Ar}$  dating of Martian Shergottite, DaG476 (abs#1204). *Lunar Planet. Sci. Conf.* **XXXIX** Lunar Planetary Institute, Houston.

Puchtel I.S., Walker R.J., Brandon A.D. and Irving A.J. (2008) Highly siderophile element abundances in SNC meteorites: An update (abs#1650). *Lunar Planet. Sci.* **XXXIX** Lunar Planetary Institute, Houston .

Russell Sara., Zipfel J., Folco Luigi, Jones R., Grady M.M., McCoy T. and Grossman J.N. (2003) The meteoritical bulletin, No. 87, 2003 July. *Meteorit. & Planet. Sci.* **38**, A189-248.

Russell S.S., Folco L., Jones R., Grady M.M., Zolensky M.E., Jones R., Righter K., Zipfel J. and Grossman

- J.N. (2004) The Meteoritical Bulletin No. **88**, 2004 July. *Meteorit. & Planet. Sci.* **39**, A215-272.
- Scherer P. and Schultz L. (1999) Noble gases in the SNC meteorite Dar al Gani 476 (abs#1144). *Lunar Planet. Sci. XXX* Lunar Planetary Institute, Houston.
- Schlüter J., Schultz L., Thiedig F., Al-Mahdi B.O. and Abu Aghreb A.E. (2002) The Dar al Gani meteorite field (Libyan Sahara): Geologic setting, pairing of meteorites and recovery density. *Meteorit. & Planet. Sci.* **37**, 1079-1093.
- Shearer C.K., McKay G.A., Papike J.J. and Karner J. (2006b) Valence state portioning of vanadium between olivine-liquid: Estimates of the oxygen fugacity of Y980459 and application to other olivine-phric Martian basalts. *Amer. Mineral.* **91**, 1657-1663.
- Shearer C.K., Burger P.V., Papike J.J., Borg L.E., Irving A.J. and Herd C. (2008b) Petrogenic linkages among Martian basalts: Implications based on trace element chemistry of olivine. *Meteorit. & Planet. Sci.* **43**, 1241-1258.
- Stephen N.R., Bendix G.K., Bland P. and Hamilton V.E. (2010a) Martian pyroxenes in the Shergottite Meteorites: Zagami, SaU005, DaG476 and EETA79001 (abs). AGU
- Thompson J.R., Wiens R.C., Clegg S.M., Barefield J.E., Vaniman D.T. and Newsom H.E. (2006a) Remote laser induced breakdown spectroscopy analyses of DaG476 and Zagami Martian meteorites (abs#1761). *Lunar Planet. Sci. Conf. XXXVII* Lunar Planetary Institute, Houston.
- Thompson J.R., Wiens R.C., Clegg S.M., Barefield J.E., Vaniman D.T. and Newsom H.E. (2006b) Remote laser-induced breakdown spectroscopy analyses of DaG476 and Zagami Martian meteorites. *J. Geophys. Res.* **111**, E05006
- Wadhwa M., Crozaz G., Lentz R. and McSween H.Y. (1999a) Trace-element distributions in the new Saharan Martian meteorite Dar al Gani 476: Another bridge between Lherzolitic and basaltic Shergottites (abs). *Meteorit. & Planet. Sci.* **34**, A117-118.
- Wadhwa M., Lentz R.C.F., McSween H.Y. and Crozaz G. (2000) Dar al Gani 476 and Dar al Gani 489, twin Shergottites from Mars (abs#1413). *Lunar Planet. Sci. XXXI* Lunar Planetary Institute, Houston.
- DaG476 DaG489**
- Wadhwa M., Lentz R.C.F., McSween H.Y. and Crozaz G. (2001c) A petrologic and trace element study of Dar al Gani 476 and Dar al Gani 489: Twin meteorites with affinities to basaltic and Lherzolitic Shergottites. *Meteorit. & Planet. Sci.* **36**, 195-208.
- Walker R.J., Brandon A.D., Nazarov M.A., Mittlefehldt D., Jagoutz E. and Taylor L.A. (2002)  $^{187}\text{Re}$ - $^{187}\text{Os}$  isotopic studies of SNC meteorites: An update (abs#1042). *Lunar Planet. Sci. XXXIII* Lunar Planetary Institute, Houston.
- Walton E.L., Kelley S.P. and Spray J.G. (2004) The location of martian atmospheric argon in three Martian basalts: Controls exerted by shock effects (abs#5182). *Meteorit. & Planet. Sci.* **39**, A111.
- Walton Erin, Shaw C., Cogswell S. and Spray J. (2005b) Crystallization rates of shock melts in three Martian basalts: Experimental simulation with implications for meteoroid dimensions. *Geochim. Cosmochim Acta* **70**, 1059-1075.
- Walton E.L., Kelley S.P. and Spray J.G. (2007b) Shock implantation of Martian atmospheric argon in four basaltic Shergottites: A laser probe  $^{40}\text{Ar}$ / $^{39}\text{Ar}$  investigation. *Geochim. Cosmochim. Acta* **71**, 497-520.

Walton E.L. and Herd C.D.K. (2010) Shock melt products in olivine-phyric Shergottite Dar al Gani 1037 (abs#5065). *Meteorit. & Planet. Sci.* **45**, A209.

Weisberg M.K. et al. (2010b) Met. Bull #98. *Meteorit. & Planet. Sci.* **45**, 1530-1551.

Wright I.P., Grady M.M. and Pillinger C.T. (1999) Dar al Gani - Lucky for some, unlucky for others (abs#1594). *Lunar Planet. Sci. XXX* Lunar Planetary Institute, Houston.

Zipfel Jutta (1999) Pyroxene and olivine in basaltic Shergottite Dar al Gani 476 (abs). *Meteorit. & Planet. Sci.* **34**, A123.

Zipfel J., Spettel B., Palme H. and Dreibus G. (1999) Petrology and chemistry of Dar al Gani 476, a new basaltic Shergottite (abs#1206). *Lunar Planet. Sci. XXX* Lunar Planetary Institute, Houston.

Zipfel J., Scherer P., Spettel B., Dreibus G. and Schultz L. (2000) Petrology and chemistry of the new Shergottite Dar al Gani 476. *Meteorit. & Planet. Sci.* **35**, 95-106.