

Liste des Travaux du Professeur Emérite David C. SMITH

sur la pétrologie des éclogites et la cristallochimie d'autres minéraux et roches de haute pression

(entre 1968 [Mastère] & 2012 [retraite])

- AGRINIER, P., JAVOY, M., SMITH, D.C. and PINEAU, F. (1985): Carbon and oxygen isotopes in eclogites, amphibolites, veins and marbles from the Western Gneiss Region, Norway. Isotope Geoscience (Chemical Geology), 52, 145-162.
- AGRINIER, P., SMITH, D.C. and JAVOY, M. (1984): Données préliminaires sur la composition isotopique du carbone et de l'oxygène de quelques éclogites et marbres de Vestlandet, Norvège. 10 ème Réunion Annuelle Sciences Terre, Bordeaux, Géol. Soc. France, 5.
- BOYER H., PINET M. and SMITH, D.C. (1988): The Raman microspectrometry of synthetic garnets in the system pyrope-almandine-grossular: a new technique for the non-destructive chemical analysis of garnet micro-inclusions. Section 18.6 in R.J.H.CLARK and D.A.LONG (eds.), 11 th International Conference Raman Spectroscopy (ICORS), London, U.K., John Wiley, London.
- BOYER, H. and SMITH, D.C. (1984): Petrological applications of the Raman microprobe (RMP) to the characterisation of micron-sized minerals in eclogites. p. 107-110 in "Microbeam Analysis 1984", A.D.ROMIG and J.I.GOLDSTEIN (eds.), San Francisco Press Inc., San Francisco.
- BOYER, H. and SMITH, D.C. (1985): RMP characterization of pumpellyite, and its application to eclogites from Germany. EUG III, Terra Cognita 5, n° 2/3 supplement = 6, n° 1, 38-39.
- BOYER, H., SMITH, D.C. and GUYOT, F. (1985): RMP (Raman microprobe) characterisation of micron-sized run products in high P-T experimental mineralogy. 1985 Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, 1244.
- BOYER, H., SMITH, D.C. and PINET, M. (1989): A comparison of the Raman spectra of some natural Ca-Al silicates. GEORAMAN-89: CONTRIBUTIONS, Special Pub. ANRT, Association Nationale de la Recherche Technique, Paris, 3-4.
- BOYER, H., SMITH, D.C., CHOPIN, C. and LASNIER, B. (1985): Raman microprobe (RMP) determination of natural and synthetic coesite. Phys. Chem. Mineral., 12, 45-48.
- BOYER, H., SMITH, D.C., GUYOT, F. and MADON, M. (1985): RMP (Raman Microprobe) characterisation of micron-sized phases: examples of run products from experiments at very high pressures and temperatures. Journ. Physique, 133-138.
- BRUNEL, M., MALUSKI, H., KIENAST, J.-R., MATTE, P., SMITH, D.C., XU, ZHI QUIN and MATTAUER, M. (1991): Proterozoic coesite-bearing eclogite from the Dabie Shan, East Quinling Range, Central China. EUG VI, Terra Abstracts 3, 85.
- CANNILLO, E., UNGARETTI, L., OBERTI, R. and SMITH, D.C. (1986): An updated version of computer program CORANF for determining the site population and the bulk-mineral chemical composition of C2/m amphiboles by single-crystal X-ray diffractometry and refinement. 14 th Assembly Internat. Mineral. Assoc., Abstracts, 70.
- CAPITANIO, F., MOTTANA, A., PARODI, G.C., SCHINGARO, E., SCORDARI, F. and SMITH, D.C., 1998: Studio cristallochimico di un granato di Zr e Ti: la kimzeyite di Anguillara (Lazio). Congress, Soc. Ital. Mineral. Petrol., 1 Oct. 1998, Bari, Abstracts Vol., ____.
- CARPENTER, M.A. and SMITH, D.C. (1980): Sodic pyroxenes from Nybø, Norway; solid solution and cation ordering at high temperatures. Trans. Amer. Geophys. Union EOS 61, 403.
- CARPENTER, M.A. and SMITH, D.C. (1981): Solid-solution and cation ordering limits in high temperature sodic pyroxenes from the Nybø eclogite pod, Norway, Mineral. Magazine 44, 37-44.
- CHOPIN,C., SMITH, D.C. and PEUCAT, J.-J. (1983): "Schistes bleus et éclogites". Rapport sur la "Penrose Conference: Blueschists and related eclogites". Géochronique, 1983, n° 4, 11.
- DOBRZHINETSKAYA, L.F., EIDE, E.A., LARSEN, R.B., POSUKHOVA, T.V., SMITH, D.C., STURT, B.A., TAYLOR, W.R. and TRÖNNES, R.G. (1995): Microdiamond in metamorphic rocks of the Western Gneiss Region, Norway. Geology (USA), v. 23, n° 7, 597-600.
- DOMENEGHETTI, C., ROSSI, G., SMITH, D.C. and UNGARETTI, L. (1981): Associazione pirosseno-anfibolo in un inclusione grospiditico della kimberlite di Zagadochnaya, Yakutia, Siberia. Rendi. Soc. Ital. Min. Pet., 41.
- ERAMBERT, M. and SMITH, D.C. (1982): On eclogite/ultrabasite relations in Hessdalen, Vartdalsfjorden, Norway. First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 327-328.
- ERAMBERT, M. and SMITH, D.C. (1982): Résultats préliminaires sur le complexe à anorthosite/éclogite/ultrabasite dans les gneiss d'Hessdalen, Vartdalsfjorden, Norvège. 9 ème Réunion Annuelle Sciences Terre, Paris, Géol. Soc. France, 233.
- FRANZ G., THOMAS S. and SMITH, D.C. (1985): High-pressure phengite decomposition in the Weissenstein eclogite, Münchberger Gneiss Massif, Germany. Contrib. Mineral. Petrol., 92, 71-85.

- FRANZ, G., THOMAS, S. and SMITH, D.C. (1984): P-T conditions for the Weissenstein eclogite, N.E. Bayern, Germany, *Fortschritte Mineral.* 62, 60-61.
- FRÖHLICH, F., G. POUPEAU, A. BADOU, F. X. LE BOURDONNEC, Y. SACQUIN, S. DUBERNET, J. M. BARDINTZEFF, M. VERAN, D. C. SMITH, and E. DIEMER†, (2013) Libyan Desert Glass: New field and Fourier transform infrared data. *Meteoritics & Planetary Science* 48, Nr 12, 2517–2530.
- GENDRON, F. and SMITH, D.C. (2005) Le jade, pierre précieuse du Mexique préhispanique. *Pour La Science*, 332, juin 2005, 74-79.
- GENDRON, F., David C. Smith, Pierre Masson, María del Carmen Rodríguez Martínez, Ponciano Ortiz Ceballos. (2013) Mineralogical identifications by Raman spectroscopy of jadeite-jade in Olmec ceremonial stone axes and beads from El Manati (Veracruz, Mexico) 10th International Eclogite Conference, Courmayeur, Val d'Aoste, Italie. Abst. vol..
- GENDRON, F., SMITH, D.C. and GENDRON-BADOU, A., (2002): Discovery of Jadeite-Jade in Guatemala Confirmed by Non-Destructive Raman Microscopy. *Journ. Archaeological Science* 29, 837-851.
- GODARD & SMITH, D.C. MOREAU, M. 2003): Microimagerie Raman du diamant et de la lonsdaleite inclus dans le zircon d'une éclogite norvégienne. Colloque GFSV/MNHN : "Spectroscopies vibrationnelles appliquées à la matière minérale : des gemmes aux verres et céramiques d'hier et de demain :Etat de l'art, innovations et perspectives. » 26, 27 & 28 novembre 2003, MNHN, PARIS, abstract vol., 35-37.
- GODARD, G. & SMITH, D. C. (2011) Evidence for new polytypes of diamond on Earth. 9th International Eclogite Conference, Marianske Lazne, Czech Republic, Abst. vol. p. 22.
- GODARD, G. and SMITH, D.C. (1984): Deux micas inhabituels dans les éclogites de la Compointrie (Loire Atlantique): Na-Mg-margarite, preiswerkite. 10 ème Réunion Annuelle Sciences Terre, Bordeaux, Géol. Soc. France, 261.
- GODARD, G. and SMITH, D.C., (1999): Preiswerkite and Na-(Mg,Fe)-margarite in eclogites. *Contrib. Mineral. Petrol.* 136, 20-32.
- GODARD, G., SMITH, D.C. and MOREAU, M. (2004): RAMAN MAPPING OF MICRODIAMOND AND OTHER CARBON PHASES INCLUDED IN ZIRCONS IN A NORWEGIAN ECLOGITE. Invited lecture. 32nd International Geological Congress, Florence, 20-28 August 2004, Abstract vol. part 1, session 153-2, 720.
- GODARD, G., Frezzotti, M.L., Palmeri, R. & Smith, D.C. (2011) – Origin of high-pressure disordered metastable phases (lonsdaleite and incipiently amorphized quartz) in metamorphic rocks: geodynamic shock or crystal-scale overpressure? In: Dobrzhinetskaya L., S.W. Faryad, S. Wallis & S. Cuthbert (eds.). *Ultrahigh Pressure Metamorphism: 25 years after discovery of coesite and diamond*, Elsevier, Amsterdam, Chap. 5, p. 125-148.
- GODARD, G., SMITH, D. C., DOBRZHINETSKAYA, L., GREEN, H. & BELLEIL, M. (2005) Microcartographies Raman de zircons métamictes et de diamants naturels d'un gneiss UHPM («ultrahigh pressure metamorphism») du Massif de Kokchetav (Kazakhstan). Colloque GFSV « Imagerie et cartographie en Spectroscopie Vibrationnelle : Etat de l'art, innovations et perspectives. » 26, 27 & 28 janvier 2005, Ecole de physique des Houches, abstract volume.
- GODARD, G., SMITH, D.C. (2015). Île Dumet (Brittany, France) and its glaucophane eclogite: the little sister of île de Groix. 11th International Eclogite Conference, San Domingo, République Dominicaine. Abst. vol..
- GODARD, G., SMITH, D.C. and THOUVENIN, C. (2003): Microdiamond within zircon in thin section in the Straumen coesite-kyanite-eclogite pod, Norway. The Alice Wain Memorial Western Norway Eclogite Field Symposium, Selje, Norway; June 2003, Abstract Volume, NGU report 2003.055, ed. EIIDE, E., 54.
- GODARD, G., SMITH, D.C. and YANG, J. (1997): Paragonite lamellae possibly exsolved from omphacite in an eclogite from "Su-Lu", Eastern China. Fifth International Eclogite Conference, Terra Nova 9, Abstract Suppl. 1, 12-13.
- GODARD, G., SMITH, D.C., DOBRZHINETSKAYA, L., GREEN, H. & BELLEIL, M. (2005) Is UHPM diamond abnormal? Investigation by Raman Microscopy and X-ray microdiffraction. Seventh Internat. Eclogite Conference, Seggau, Austria, Mitt. Österr. Miner. Ges. 150 (2005).
- GONTIER, E., SMITH, D.C., LE BRUN-RICALENS, F., GUILLAUMAT, A.-L., KOPPE, M. and ZIVKOVIC, A. (2009) Analyses gemmologiques d'un hei tiki en jade "pounamou" de Nouvelle Zélande. *Revue de Gemmologie AFG*, n°168, 17-22.
- HILL, H.G.M., SMITH, D.C. and CARABATOS-NEDELEC, C., 1999: The Raman spectra of "interstellar" and synthetic nanodiamonds, Congress GEORAMAN'99 ABSTRACTS, Special Pub. Universidad Valladolid Press, Valladolid, Abstracts Vol., 59-60.
- HUET, B., L. Jolivet, L. Labrousse, D.C.Smith. (2008) Garnet-peridotite and eclogite relationships at Essdalen, Norway. EUROPEAN GEOLOGICAL UNION, 14-18 April 2008, Vienna, Austria, abstract vol..
- JOHANNES C. VRIJMOED, DAVID C. SMITH, HERMANN L. M. VAN ROERMUND (2006) MICRODIAMOND (IN SITU) IN THE SVARTBERGET PERIDOTITE, VESTLANDET, NORWAY, CONFIRMED BY RAMAN MICROSCOPY. 7th International GEORAMAN congress, 3-7 June 2006, Almunecar, Spain, Book of Abstracts, Unidad Asociada UVA-CSIC a través del Centro de Astrobiología, Valladolid, 85-86.
- KECHID, S.-A. and SMITH, D.C. (1982): Nybøite-kataphorite et taramite-pargasite dans la lentille d'éclogite de Liset, Région du Gneiss de l'Ouest, Norvège. 9 ème Réunion Annuelle Sciences Terre, Paris, Géol. Soc. France, 333.
- KECHID, S.-A. and SMITH, D.C. (1985): The petrological evolution of the Liset eclogite pod, Norway. Second Internat. Eclogite Conf., *Terra Cognita* 5, n° 4, 422.

- KIENAST, J.-R., GEYSSANT, J., MARTIN, S., PERSEIL, A. and SMITH, D.C. (1983): Genèse et paléo environnement des minéralisations Mn d'origine marine dans les zones orogéniques. CNRS Colloque ATP Géochimie-Métallogénie, Bonas, France, 238-242.
- KIENAST, J.-R., SMITH, D.C. and GODARD, G. (1982): On the jadeite-omphacite miscibility gap: comparison of high-pressure pyroxenes from Sesia-Lanzo (Italian Alps), Vendée (France) and Nybø (Norway). First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 332.
- KIENAST, J.-R., SMITH, D.C. and MARTIN, S. (1982): Jadeite-acmite solution and the behaviour of manganese in the HP-LT pyroxenes at Praborna, Val d'Aosta, Italy. First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 332-333.
- LAPPIN, M.A. and SMITH, D.C. (1978): Mantle-equilibrated orthopyroxene eclogite pods from the Basal Gneisses in the Selje District, Western Norway. *Journ. Petrol.* 19, 530-584.
- LAPPIN, M.A. and SMITH, D.C. (1981): Carbonate, silicate and fluid relationships in eclogites, Selje District and environs, SW Norway. *Trans. Roy. Soc. Edinburgh* 72, 171-193.
- LASNIER, B. and SMITH, D.C. (1989): A ferro-alumino-taramite- and glaucophane-bearing eclogite from the French Armorican Massif: Ile Dumet. Third Internat. Eclogite Conf., Terra Abstracts 1, n° 2, 13.
- LASNIER, B., POIROT, J.-P. and SMITH, D.C. (1992): Intercroissances de jadéite de différentes compositions dans des jades révélées par cathodoluminescence. *Revue de Gemmologie*, 113, 8-11.
- LE BRUN-RICALENS, F., SMITH, D., GONTIER, G., MARTINEZ, I., BENBALAGH, N., VALOTTEAU, F. (2008) Le laser au service de la pétroarchéologie : Mission « RAMAN » du MNHN de Paris au MNHA à Luxembourg. *Empreintes*, n° 1, 24-26.
- LEAKE, B.E., WOOLLEY, A.R., ARPS, C.E.S., BIRCH, W.D., GILBERT, M.C., GRICE, J.D., HAWTHORNE, F.C., KATO, A., KISCH, H.J., KRIVOVICHEV, V.G., LINTHOUT, K., LAIRD, J., MANDARINO, J., MARESCH, W.V., NICKEL, E.H., ROCK, N.M.S., SCHUMACHER, J.C., SMITH, D.C., STEPHENSON, N.C.N., UNGARETTI, L., WHITTAKER, E.J.W. and YOUZHI, G. (1997): Nomenclature of Amphiboles: Report of the Subcommittee on Amphiboles of the International Mineralogical Association Commission on New Minerals and Mineral Names. *American Mineral.*, 82, 1019-1037.
- LEAKE, B.E., WOOLLEY, A.R., ARPS, C.E.S., BIRCH, W.D., GILBERT, M.C., GRICE, J.D., HAWTHORNE, F.C., KATO, A., KISCH, H.J., KRIVOVICHEV, V.G., LINTHOUT, K., LAIRD, J., MANDARINO, J., MARESCH, W.V., NICKEL, E.H., ROCK, N.M.S., SCHUMACHER, J.C., SMITH, D.C., STEPHENSON, N.C.N., UNGARETTI, L., WHITTAKER, E.J.W. and YOUZHI, G. (1997): Nomenclature of Amphiboles: Report of the Subcommittee on Amphiboles of the International Mineralogical Association Commission on New Minerals and Mineral Names. *Mineral. Magazine*, 61, 295-321.
- LEAKE, B.E., WOOLLEY, A.R., ARPS, C.E.S., BIRCH, W.D., GILBERT, M.C., GRICE, J.D., HAWTHORNE, F.C., KATO, A., KISCH, H.J., KRIVOVICHEV, V.G., LINTHOUT, K., LAIRD, J., MANDARINO, J., MARESCH, W.V., NICKEL, E.H., ROCK, N.M.S., SCHUMACHER, J.C., SMITH, D.C., STEPHENSON, N.C.N., UNGARETTI, L., WHITTAKER, E.J.W. and YOUZHI, G. (1997): Nomenclature of Amphiboles: Report of the Subcommittee on Amphiboles of the International Mineralogical Association Commission on New Minerals and Mineral Names. *Canadian Mineralogist* vol. 21.
- LEONA, M., SMITH, D.C., PINET, M., MERLI, M., OBERTI, R. and UNGARETTI, L. (1993): Si^{IV} = Fe^{IV} substitution in natural ugrandite garnets determined by Raman microspectrometry and X-ray structure refinement. *EUG VII*. *Terra Nova* 5, Abstract Suppl. 1, D15, 520.
- OBERTI, R., BOIOCCHI, M. and SMITH, D.C. (2003) The new mineral fluoronybøite from Jianchang (Su-Lu, China) and nybøite from Nybø (Nordfjord, Norway): petrological description and crystal-chemical comparison of these two UHPM amphibole end-members. *Mineralogical Magazine, Journal of Mineralogical Science* 64(4), 769-782.
- OBERTI, R., BOIOCCHI, M., SMITH, D.C. & MEDENBACH, O. (2007): Aluminotaramite, alumino-magnesiotaramite, and fluoro-alumino-magnesiotaramite: mineral data and crystal chemistry. *Am. Mineral.*, 92, 1428-1435.
- OBERTI, R., BOIOCCHI, M., SMITH, D.C., MEDENBACH, O. & HELMERS, H. (2008): Potassic-aluminotaramite, from Sierra de los Filabres, Spain. *Eur. J. Mineral.*, 20, 1005-1010.
- OBERTI, R., PREVIDE-MASSARA, E., UNGARETTI, L., KECHID, S.-A and SMITH, D.C. (1989): Nybøite-taramite-sadanagaite trend in amphibole from the Liset eclogite pod, Norway: crystal-chemical and petrogenetic implications. Third Internat. Eclogite Conf., Terra Abstracts 1, n° 2, 17.
- OBERTI, R., ROSSI, G. and SMITH, D.C. (1985): Structural variations in natural sphenes induced by the Ti + O = Al + (OH,F) substitution. *Rend. Soc. Ital. Min. Pet.*, .
- OBERTI, R., ROSSI, G. and SMITH, D.C. (1985): X-Ray crystal structure refinement studies of the TiO = Al(OH,F) exchange in high-aluminium-sphenes. Second Internat. Eclogite Conf., Terra Cognita 5, n° 4, 428.
- OBERTI, R., SMITH, D.C., ROSSI, G. and CAUCIA, F. (1991): The crystal-chemistry of high-aluminium titanites. *European Journ. Mineral.* 3, 777-792.
- OBERTI, R., UNGARETTI, L., TLILI, A., SMITH, D.C. and ROBERT, J.-L. (1993): The crystal structure of preiswerkite. *Amer. Mineral.* 78, 1290-1298.
- PERRAKI, M. & SMITH, D. C. (2011) The Steinsvika garnet-peridotite in the Norwegian Western Gneiss Complex: mineralogy and petrology of Mg-Ti-Cr-Fe²⁺ relationships. 9th International Eclogite Conference, Marianske Lazne, Czech Republic, Abst. vol. p. 55.

- PERRAKI, M., Andrey V. Korsakov, David C. Smith and Evripidis Mposkos. (2008) Raman spectroscopy of "in-situ" and "exotic" diamonds. International Congress GEORAMAN-2008, Univ. Ghent, Belgium, Book of Abstracts, 29.
- PERRAKI, M., Andrey V. Korsakov, David C. Smith, Evripidis Mposkos (2009) Raman spectroscopic and microscopic criteria for the distinction of microdiamonds in ultrahigh-pressure metamorphic rocks from diamonds in sample preparation materials. American Mineralogist, 94/4, 546-556.
- PERRAKI, M., DAVID C. SMITH, EVRIPIDIS MPOSKOS (2006) THE LUMINESCENT CARBON-BEARING MICROINCLUSION ENIGMA IN THE KIMI UNIT, RHODOPE, GREECE: I: RAMAN MICROSCOPIC POINT ANALYSES WITH DIFFERENT LASERS. 7th International GEORAMAN congress, 3-7 June 2006, Almunecar, Spain, Book of Abstracts, Unidad Asociada UVA-CSIC a través del Centro de Astrobiología, Valladolid, 27-28.
- PERRAKI, M., SMITH, D.C. &, MPOSKOS, E. (2007): The luminescent carbon-bearing microinclusion enigma in the Kimi Unit, Rhodope, Greece: Raman Microscopic point analyses and mapping with different lasers. Spec.Vol. Congress GEORAMAN-2006, Spectrochimica Acta Part A 68, 1077-1084.
- PERSEIL, E.-A. and SMITH, D.C. (1995): Sb-rich titanite in the manganese concentrations at St.Marcel-Praborna, Aosta Valley, Italy: petrography and crystal-chemistry. Mineral. Magazine, 59, 717-734.
- PERSEIL, E.A. and SMITH, D.C. (1996): Cristallochimie de l'arsenic dans la fluorapatite et la titanite des concentrations manganésifères de St.Marcel-Praborna, V. Aoste (Italie). Réunion biennale française RST, Résumés, 167.
- PERSEIL, E.-A. and SMITH, D.C., 1999: Raman spectra of arsenic-bearing fluorapatite from St. Marcel (Italy) and of type fermorite: $(Ca,Sr)_5 ([AsO_4],[PO_4])_3 (OH,F)$, Congress GEORAMAN'99 ABSTRACTS, Special Pub. Universidad Valladolid Press, Valladolid, Abstracts Vol., 77-78.
- PERSEIL, E.A.P., BLANC,P. and SMITH, D.C. (1996): Modification of the luminescence of fluorapatite: replacement of phosphorus by arsenic in the fluorapatites of the manganese concentrations at St. Marcel, Aosta, Italy. Internat. Conference on Cathodoluminescence, 111-112.
- PINET, M. and SMITH, D.C. (1982): A reconnaissance petrochemical study of opaque minerals in some Norwegian eclogites. First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 335.
- PINET, M. and SMITH, D.C. (1984): Solutions solides geikiélite-ilménite-pyrophanite (GIP) dans l'éclogite de Liset, Région du Gneiss de l'Ouest, Norvège. 10 ème Réunion Annuelle Sciences Terre, Bordeaux, Géol. Soc. France, 449.
- PINET, M. and SMITH, D.C. (1985): Fe- and Mn-rich geikielite produced by Mn- and Mg-concentration in oxidized ilmenite. EUG III, Terra Cognita 5, n° 2/3, 329.
- PINET, M. and SMITH, D.C. (1985): Petrochemistry of opaque minerals in eclogites from the Western Gneiss Region, Norway. I: Petrology of the oxide microassemblages. Chem. Geol., 50, 225-249.
- PINET, M. and SMITH, D.C. (1987): Raman fingerprinting of opaque and semi-opaque minerals: the natural system geikielite-ilmenite-pyrophanite (GIP). Internat. Conference "GEORAMAN-86", Terra Cognita 7, 18.
- PINET, M. and SMITH, D.C. (1990): Utilisation de la microspectrométrie Raman à la caractérisation et au dosage chimique des grenats alumineux naturels. Bulletin de Liaison, Soc. Française Mineral. Cristal. 2/1, 52.
- PINET, M. et SMITH, D.C. (1993): La microspectrométrie Raman des grenats $X_3 Y_2 Z_3 O_{12}$: I. La série calcique naturelle ouvarovite-grossulaire-andradite. Schweiz. Mineral. Petrog. Mitt. (Bulletin Suisse) 73/1, 21-40.
- PINET, M. et SMITH, D.C. (1994): La microspectrométrie Raman des grenats $X_3 Y_2 Z_3 O_{12}$: II. La série alumineuse naturelle pyrope-almandin-spessartite. Schweiz. Mineral. Petrog. Mitt. (Bulletin Suisse) 74/2, 161-179.
- ROSSI G., OBERTI R. and SMITH, D.C. (1986): The crystal structure of lisetite. American Mineral, 71, 1378-1383.
- ROSSI, G., OBERTI, R. and SMITH, D.C. (1989): The crystal structure of a K-poor Ca-rich silicate with the nepheline framework and crystal-chemical relationships in the compositional space $(K,Na,Ca)_8 (Al, Si)_{16} O_{32}$. European Journ. Mineral. 1, 59-70.
- ROSSI, G., SMITH, D.C., OBERTI, R. and KECHID, S.-A. (1984): Some crystal-chemical and petrological relationships between two new minerals in the system anorthite-nepheline. Rendi. Soc. Ital. Min. Pet. 40, 424-425.
- ROSSI, G., SMITH, D.C., UNGARETTI, L. and DOMENEGHETTI, C. (1983): Comparison of chemical analyses of sodic pyroxenes by X-ray structure refinement and electron microprobe techniques. Periodico di Mineralogia 52, 343-354.
- ROSSI, G., SMITH, D.C., UNGARETTI, L. and DOMENEGHETTI, C. (1983): Comparison of chemical analyses of sodic pyroxenes by X-ray structure refinement and electron microprobe techniques. "Mineralogical techniques applied to pyroxenes and amphiboles", Univ. Rome, Italy.
- ROSSI, G., SMITH, D.C., UNGARETTI, L., and DOMENEGHETTI, C. (1983): Crystal-chemistry and cation ordering in the system diopside-jadeite: a detailed study by crystal structure refinement. Contrib. Mineral. Petrol. 83, 247-258.
- ROSSI, G., UNGARETTI, L., MOTTANA, A. and SMITH, D.C. (1977): Cristallochimica dei pirosseni eclogitici di Sörpollen, Norvegia. Rendi. Soc. Ital. Min. Pet. 33, 853-854.
- ROSSI, G., UNGARETTI, L., MOTTANA, A., SMITH, D.C. and DOMENEGHETTI, C. (1980): Chemical variation and cation ordering in Na-rich to Na-poor clinopyroxenes from the Nybø eclogite pod, Nordfjord, Norway: investigation by crystal structure refinement and electron microprobe analysis. 12th Assembly Internat. Mineral. Assoc., Abstracts, 187.

- SMITH, D. C. & KECHID, S.-A. (2011) The Liset eclogite pod, Norway: another new sodic aluminous mineral species from an amphibolitised layer in this Na-Al-rich K-Mg-poor tectonic lens. 9th International Eclogite Conference, Marianske Lazne, Czech Republic, Abst. vol. p.69
- SMITH, D. C. (2011) The Straumen eclogite pod, Norway: a reappraisal of its diamond and lonsdaleite, and a crystal-structural-Raman-petrological review of 2nH-, 3C- and 3mR sp³-carbon micro-nano-phases from natural UHPM environments. 9th International Eclogite Conference, Marianske Lazne, Czech Republic, Abst. vol. p. 68.
- SMITH, D.C. & G. GODARD, (2013). A Raman spectroscopic study of diamond and disordered sp³-carbon in the coesite-bearing Straumen Eclogite Pod, Norway. *J. metamorphic Geol.*, 2013, v31, 19–33.
- SMITH, D.C. & Héja GARCIA-GUILERMINET (2006) A COMBINED RAMAN AND FTIR SPECTROPHOTOMETRIC STUDY OF THE GREEN DIAMOND FROM THE DIAMONDFEROUS ALLUVIAL SANDS AT PASVIK VALLEY, FINNMARK, NORWAY. 7th International GEORAMAN congress, 3-7 June 2006, Almunecar, Spain, Book of Abstracts, Unidad Asociada UVA-CSIC a través del Centro de Astrobiología, Valladolid, 83-84.
- SMITH, D.C. (1968): The petrology and chemistry of some eclogites in the gneiss of the Selje District, Nordfjord, S.W.Norway. M.Sc. thesis, Aberdeen University, 1-135.
- SMITH, D.C. (1971): A tourmaline-eclogite from Sunnmøre, Norway. *Norsk Geol. Tidss.* 51, 141-147.
- SMITH, D.C. (1976): Grong: the correlation of altitude and the tree line with Pb in stream sediments. *Journ. Geochem. Exploration* 5, 227-231.
- SMITH, D.C. (1976): Storvatnet and Rettbekken: moss-trapped stream material as a prospecting medium. *Journ. Geochem. Exploration* 5, 338-341.
- SMITH, D.C. (1976): The geology of the Vartdal Area, Sunnmøre, Norway, and the petrochemistry of the Sunnmøre Eclogite Suite. Ph.D. thesis, Aberdeen University, 1-750.
- SMITH, D.C. (1976): The recognition of two distinct pressure-temperature regimes of eclogite metamorphism in the Sunnmøre Eclogite Suite. *Fortschritte Mineral.* 54, 94.
- SMITH, D.C. (1977): Aluminiumholdig titanit i eklogitter fra Sunnmøre. *Geolognytt* 10, NGF (Geol. Soc. Norway), 32-33.
- SMITH, D.C. (1977): Oppdagelse av molybdenitt-mineralisering som resultat av en geomorfologisk tolkning av bekkesedimentanomalier. *Mötreferat MALM 1976*, BVLI's Tekniske Virksomhet, Trondheim, Norway, 24-25.
- SMITH, D.C. (1978): The eclogite/amphibolite transition in the Caledonide Orogen in West Norway and East Greenland. IGCP "The Caledonide Orogen", Trinity College, Dublin.
- SMITH, D.C. (1980): A tectonic melange of foreign eclogites and ultramafites in West Norway. *Nature* 287, 366-368.
- SMITH, D.C. (1980): Exceptional mineral compositions in very high pressure hydrous-eclogite-facies parageneses in the Precambrian suite of eclogite lenses in the Selje and Vartdalsfjorden Districts of the Basal Gneiss Region, S.W.Norway. 26th Internat. Geol. Congr. Paris, Abstracts 01.3.3, 92.
- SMITH, D.C. (1980): Highly-aluminous sphene (titanite) in natural high pressure hydrous-eclogite-facies rocks from Norway and Italy, and in experimental runs at high pressures. 26th Internat. Geol. Congr. Paris, Abstracts 02.3.1, 145.
- SMITH, D.C. (1981): A reappraisal of factual and mythical evidence concerning the metamorphic and tectonic evolution of eclogite-bearing terrain in the Caledonides. *Uppsala Caledonide Symposium (UCS)*, Terra Cognita 1, n° 1, 73-74.
- SMITH, D.C. (1981): The pressure and temperature dependence of Al-solubility in sphene in the system Ti-Al-Ca-Si-O-F. *Progress Report Experimental Petrology* 5, NERC Pub. Ser. D18, 193-197.
- SMITH, D.C. (1982): A review of the controversial eclogites in the Caledonides. First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 304.
- SMITH, D.C. (1982): Hjørundfjordite, un nouveau type de roche dans l'Ouest de la Norvège: quartz + microcline + almandin + hastingsite. 9^{ème} Réunion Annuelle Sciences Terre, Paris, Géol. Soc. France, 582.
- SMITH, D.C. (1982): On the characterisation and credibility of supersilicic, stoichiometric and subsilicic pyroxenes. Third Internat. Kimberlite Conf., Terra Cognita 2, n° 3, 223.
- SMITH, D.C. (1982): On the classification of eclogite field associations, paragenses, facies and P-T regimes. First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 335.
- SMITH, D.C. (1982): Petrochemical notes on the hydrous minerals in the Aarsheimneset eclogite pod, Selje District, Norway. First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 317.
- SMITH, D.C. (1982): The essence of an eclogite: Al^{VI}, as exemplified by the crystal-chemistry and petrology of high-pressure minerals in Norwegian eclogites. "Convener's Address", First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 300.
- SMITH, D.C. (1983): "Eclogites". Rapport sur le Premier Congrès International sur les Eclogites. *Géochronique*, 1983, n° 1, 4.
- SMITH, D.C. (1983): Avant Propos. Eclogites et ultrabasites à grenat. *Bull. Minéral.* 106, n° 6, 643.
- SMITH, D.C. (1983): Introduction. "European Viewpoints on FIEC (First International Eclogite Conference)". *Terra Cognita* 3, n° 4, 311.
- SMITH, D.C. (1983): Nomenclature, fluids and deformation, geodynamics and nodules. p. 329-334 in "European Viewpoints on FIEC (First International Eclogite Conference)", *Terra Cognita* 3, n° 4, 311-334.
- SMITH, D.C. (1984): Coesite in clinopyroxene in the Caledonides. *Nature* 310, 641-644.

- SMITH, D.C. (1984): Remarques cristallochimiques et pétrogenétiques sur des minéraux inhabituels dans les éclogites de Liset et Rekvika, Norvège. 10 ème Réunion Annuelle Sciences Terre, Bordeaux, Géol. Soc. France, 511.
- SMITH, D.C. (1985): Coesite in the Straumen eclogite pod, Norway. EUG ^{III}, Terra Cognita 5, n° 2/3, 226-227.
- SMITH, D.C. (1985): On the effects of Fe ³⁺, Na and Ca upon Fe-Mg partitioning between garnet and clinopyroxene as deduced from natural eclogites. Second Internat. Eclogite Conf., Terra Cognita 5, n° 4, 432-433.
- SMITH, D.C. (1985): The coesite-eclogite-facies: from microtextures to megatectonics. Second Internat. Eclogite Conf., Terra Cognita 5, n° 4, 418-419.
- SMITH, D.C. (1985): The crystal-chemistry and petrology of two new minerals in the system anorthite-nepheline (lecture invited by the Austrian Mineralogical Society). Mitt. Osterr. Miner. Ges., 130, 125-126.
- SMITH, D.C. (1987): The Raman spectroscopy of natural and synthetic minerals: a review. Internat. Conference "GEORAMAN-86", Terra Cognita 7, 20-21.
- SMITH, D.C. (1988): A review of the peculiar mineralogy of the "Norwegian coesite-eclogite province", with crystal-chemical, petrological, geochemical and geodynamical notes and an extensive bibliography. Chapter 1, p. 1-206 in: D.C.SMITH (ed.) Eclogites and Eclogite-Facies Rocks, Developments in Petrology 12, 524 pp, Elsevier, Amsterdam.
- SMITH, D.C. (1988): Preface. "Eclogites and Eclogite-Facies Rocks", D.C.SMITH (ed.), 524 pp., Elsevier, Amsterdam, (i)-(iv).
- SMITH, D.C. (1989): A rhythmic/helicyclic approach to eclogite genesis. Third Internat. Eclogite Conf., Terra Abstracts 1, n° 2, 22.
- SMITH, D.C. (1989): Preface to "GEORAMAN-89: CONTRIBUTIONS", 30pp., Special Pub. Association Nationale de la Recherche Technique, Paris, France, (i)-(ii).
- SMITH, D.C. (1989): The ABCDE system for rapidly characterizing the n-dimensional chemical composition variations of amphiboles or of other complex mineral groups. EUG ^V, Terra Abstracts 1, n° 1, 293.
- SMITH, D.C. (1990): "An introduction to Metamorphic Petrology" by B.W.D. YARDLEY, book review, Terra Nova 2, n° 3, 299-300.
- SMITH, D.C. (1991): "Eclogite-Facies Rocks", ed. D.A. CARSWELL, book review, Mineral. Magazine 55, n° 3, 490-492.
- SMITH, D.C. (1991): L'histoire de la coésite dans les roches métamorphiques: la silice au cœur d'une révolution pour la géodynamique de la Terre. Chap. in "L'Age du Silicium", Catalogue de l'Exposition, F.FROHLICH et H.-J.SCHUBNEL (eds.), Publ. Muséum National d'Histoire Naturelle, Paris, 26-30.
- SMITH, D.C. (1992): La cristallochimie structurelle des silicates": commentaires scientifiques du film "Du tétraèdre au cristal" de David SMITH et Erik GONTHIER. Dossier Scientifique n° 2 de l'Exposition "L'Age du Silicium", F.FROHLICH et H.-J.SCHUBNEL (eds.), Publ. Muséum National d'Histoire Naturelle, Paris, 12pp.
- SMITH, D.C. (1992): The P-T-t evolution of the Norwegian and Chinese Coesite-Eclogite Provinces: comparisons and controversies. CNR 1991, V Summer School "Geologia e Petrologia dei Basamenti cristallini" on "Pressure and Temperature Evolution of Orogenic Belts", Editions Università di Siena, 261-299.
- SMITH, D.C. (1993): On "ultrametastability" and other problematical petrological/geodynamical models for the origin and evolution of "UHPM" in crust-derived terranes. Terra Nova 5, Abstract Suppl. 4, 24-25.
- SMITH, D.C. (1994): 1994: the death of a dogma and the birth of the new science of inhomogeneously-distributed isobars (IDI). 30 th Anniv. Meeting on "Controls of Metamorphism", Liverpool University, U.K..
- SMITH, D.C. (1995): Microcoesites and microdiamonds in Norway: an overview. Chap. 9, p. 299-355 in "Ultra-High Pressure Metamorphism (UHPM)", R.G.COLEMAN and X.WANG (eds.), Cambridge University Press, Cambridge, 528 pp.
- SMITH, D.C. (1996): "Preface", GEORAMAN-96, Raman Spectroscopy applied to the Earth Sciences: a 10th anniversary meeting of GEORAMAN-86, Paris. Institut des Matériaux de Nantes, 10-12 June 1996. Terra Nova 8, Abstract Suppl. 2, (iv)-(v).
- SMITH, D.C. (1996): "Ultrahigh Pressure Metamorphism", eds. R.G.COLEMAN & X.WANG, book review, Mineral. Magazine 61, n° 2, 324-325.
- SMITH, D.C. (1996): A review of the applications of the Raman Microprobe (RMP) to the non-destructive physico-chemical characterization of archaeological objects. Symposium "Geology & Geochemistry in Archaeology", The Open University, U.K..
- SMITH, D.C. (1996): The importance of using a half-wave plate for the Raman Spectroscopy of minerals which cannot be rotated under the laser beam, especially large objects of gemmological or archaeological interest. Congress "GEORAMAN-96", IMN/Université Nantes, Terra Nova 8, Abstract Suppl. 2, 23-24.
- SMITH, D.C. (1997): GEORAMAN-96: Nantes, 1996, La Spectrométrie Raman Appliquée aux Sciences de la Terre. Compte Rendu. Géochronique, 61, 3.
- SMITH, D.C. (1998): "Ultrahigh Pressure Metamorphic Rocks in the Dabieshan-Sulu Region of China", ed. B.CONG book review, Mineral. Magazine (sous presse).
- SMITH, D.C. (2000): Analyse non-destructive (structure cristalline et composition chimique semi-quantitative) des grenats dans le système pyrope-almandin-spessartite-grossulaire-andradite-ouvarovite pour l'archéométrie de toute époque avec la MRM (Microsonde Raman Mobile), in situ et sans préparation des œuvres. 4ème Table Ronde du Musée

des Antiquités Nationales "Les grenats et le style cloisonné du Haut Moyen Age", 27 Sept. 2000, St.-Germain-en-Laye, pages non-numérotées.

- SMITH, D.C. (2000): ENVIRONORAMAN: Environmental applications of non-destructive polyvalent 'MRM' (Mobile Raman Microscopy). Abstracts Vol., EMU congress, Budapest 2000, Acta Mineralogica-Petrographica Tomus XLI, Suppl. B, 67.
- SMITH, D.C. (2001): Semi-quantitative chemical analysis of jade & garnet jewels by non-destructive Raman Microscopy. Colloquium: "Raman Spectroscopy in archaeology and art history", The British Museum, London, 20 November 2001.
- SMITH, D.C. (2002): ARCHAERAMAN and Mobile Raman Microscopy (MRM): from pigments in aerial wall-paintings to gemstones in submarine archaeometry. Congress GEORAMAN-2002, Acta Universitatis Carolinae, Geologica, Praha, v46, n°1, 84-86.
- SMITH, D.C. (2002): ARCHAERAMAN research on geomaterials, and remote analytical operations by Mobile Raman Spectroscopy (MRM): past, present & future. Congress FACCS, Providence, Rhode Island, USA, October 2002, abstract vol., p. 160.
- SMITH, D.C. (2002): MRM (Mobile Raman Microscopy) in situ in 4 National museums. "ART 2002", 7th International Conference on Non-destructive Testing and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental heritage, University of Antwerp, June 2002, Abstract vol. , p. 46.
- SMITH, D.C. (2002): Semi-quantitative chemical analysis of garnet & jade in mounted jewels by non-destructive Raman Microscopy: recent progress with the analytical method. Congress GEORAMAN-2002, Acta Universitatis Carolinae, Geologica, Praha, v46, n°1, 87-89.
- SMITH, D.C. (2002): Subaqueous and Submarine Archaeometry evaluated by non-destructive Raman Microscopy of gemstones lying in situ under impure waters (+ animal or vegetal debris). Congress GEORAMAN-2002, Acta Universitatis Carolinae, Geologica, Praha, v46, n°1, 90-91.
- SMITH, D.C. (2003): Exemples récentes de la Microspectrométrie Raman des minéraux: identification mobile in situ, caractérisation d'oeuvres subaquatiques, analyse chimique semi-quantitatif et imagerie polyphasée micrométrique. Colloque GFSV/MNHN : "Spectroscopies vibrationnelles appliquées à la matière minérale : des gemmes aux verres et céramiques d'hier et de demain :Etat de l'art, innovations et perspectives. » 26, 27 & 28 novembre 2003, MNHN, PARIS, abstract vol., 60-66.
- SMITH, D.C. (2003): In situ mobile Subaqueous Archaeometry evaluated by non-destructive Raman Microscopy of gemstones lying under impure waters. Spec. Vol., Proceedings, GEORAMAN-2002 congress, Prague, 2002, Spectrochimica Acta, Part A, 59, 2353-2369.
- SMITH, D.C. (2004): An ancient Egyptian commemorative scarab carved in rock: non-destructive mineral identification by Raman microscopy. XIXth International Conference on Raman Spectroscopy, ICORS, Gold Coast, Australia, 8-13 August 2004, Proceedings, (eds.) P.M.Fredericks, R.L.Frost & L.Rintoul, CD-ROM, Queensland Univ. Technology Library.
- SMITH, D.C. (2004): GEOARCHAERAMAN: RAMAN MICROSCOPIC ANALYSIS OF GEOMATERIALS IN THE CULTURAL HERITAGE. Invited lecture. 32nd International Geological Congress, Florence, 20-28 August 2004, Abstract vol. part 1, session 75-1, 363.
- SMITH, D.C. (2004): Non-destructive semi-quantitative chemical analysis of a garnet gemstone by Raman Microscopy compared with analysis by PIXE. International congress GEORAMAN-2004, 6-11 June 2004, Honolulu, Univ. Hawaii Spec. Pub. S.O.E.S.T. 04-02, 73-74.
- SMITH, D.C. (2004): Raman mapping of chemical and/or physical mineral phase transformations involving jadeite, coesite, diamond or zircon in natural ultra-high pressure metamorphic environments (UHPM). XIXth International Conference on Raman Spectroscopy, ICORS, Gold Coast, Australia, 8-13 August 2004, Proceedings, (eds.) P.M.Fredericks, R.L.Frost & L.Rintoul, CD-ROM.
- SMITH, D.C. (2004): Raman micromapping of physical and/or chemical transformations of minerals of interest in Geology or Archaeology. Invited plenary lecture. International congress GEORAMAN-2004, 6-11 June 2004, Honolulu, Univ. Hawaii Spec. Pub. S.O.E.S.T. 04-02, 71-72.
- SMITH, D.C. (2005) FROM MICROINCLUSIONS TO MAPPING AND MOBILITY (1983-2005):AN OVERVIEW OF RAMAN MICROSCOPY APPLIED TO ECLOGITES. Invited keynote talk. Seventh Internat. Eclogite Conference, Seggau, Austria, Mitt. Österr. Miner. Ges. 150 (2005) (out).
- SMITH, D.C. (2005) Raman Mapping of the clinopyroxene/silica contacts in the quartz-jadeite rock, possibly an "Olme Blue" jade, from Guatemala. 3rd International Conf. on the Application of Raman Spectroscopy in Art and Archaeology, Louvre + Univ. Paris VI, Paris, 31 August – 3 September 2005 Abstract vol., 63.
- SMITH, D.C. (2005) SiO₂ EXSOLUTION AND PRECURSOR SUPERSILICIC PYROXENE REVISITED, AND A POTENTIAL NEW UHPM END-MEMBER: "SUPERSILIPYX". Seventh Internat. Eclogite Conference, Seggau, Austria, Mitt. Österr. Miner. Ges. 150 (2005) (out).
- SMITH, D.C. (2005) THE "SHAND" DIAGRAM, A POSSIBLE SUBSILICIC PROTONATED GARNET, AND A POTENTIAL NEW UHPM END-MEMBER: "SUBSILIGAR". Seventh Internat. Eclogite Conference, Seggau, Austria, Mitt. Österr. Miner. Ges. 150 (2005).

- SMITH, D.C. (2005): Jewellery and precious stones. Chap. 21, p. 335-378, In: Raman Spectrometry in Archaeology and Art History, eds: Edwards, H.G.M and Chalmers J., The Royal Society of Chemistry, London.
- SMITH, D.C. (2005): Mesoamerican jade. Chap. 24, p. 412-426, In: Raman Spectrometry in Archaeology and Art History, eds: Edwards, H.G.M and Chalmers J., The Royal Society of Chemistry, London.
- SMITH, D.C. (2005): The RAMANITA © method for non-destructive and in situ semi-quantitative chemical analysis of mineral solid-solutions by multidimensional calibration of Raman wavenumber shifts. Proceedings, 6th International GEORAMAN congress, Hawaii, June 2004, Spectrochimica Acta, Part A, 61, 2299-2314.
- SMITH, D.C. (2006) The SHAND quaternary system for evaluating the supersilicic or subsilicic crystal-chemistry of eclogite minerals, and potential new UHPM pyroxene and garnet end-members. Mineralogy & Petrology, 88, 87-122.
- SMITH, D.C. (2006): A review of the non-destructive identification of diverse geomaterials in the Cultural Heritage using different configurations of Raman Spectroscopy. Invited paper, Chapter 2, p. 9-32, Proceedings, 32nd Internat. Geol. Congress, Florence, August 2004, "Geomaterials in Cultural Heritage", Maggetti, M. & Messiga, B. (eds), Spec. Pub. 257, Geol. Soc. London.
- SMITH, D.C. (2007) Combined non-destructive Raman and PIXE analyses of an Ancient Egyptian commemorative scaraboid. Congress Raman Spectroscopy in Archaeology and Art History, RAMANART, Univ. Modena, Abstract vol.
- SMITH, D.C. (2008) Raman confirmation of haematite leads to a new (U)HPM indicator paragenesis : haematite + carbon. International Congress GEORAMAN-2008, Univ. Ghent, Belgium, abstract vol.
- SMITH, D.C. (2008) The UV-Raman spectrum of natural lonsdaleite. International Congress GEORAMAN-2008, Univ. Ghent, Belgium, abstract vol.
- SMITH, D.C. (2009) LES ROCHES ET GEMMES VERTES NATURELLES EMPLOYES PAR L'HOMME : LEURS ESPECES MINERALES ET DES COMMENTAIRES GEOLOGIQUES ET CRISTALLOGRAPHIQUES L'Homme et le précieux, Matières minérales précieuses de la Préhistoire à aujourd'hui. M.-H. MONCEL & F. FROHLICH (eds.), British Archaeological Reports (John and Erica Hedges Ltd), Oxford, UK, 99-110.
- SMITH, D.C. and BARBET, A., (1999), A preliminary Raman Microscopic Exploration of pigments in wall-paintings in the Roman Tomb discovered at Kertch, Ukraine, in 1891, Journ. Raman Spectrosc., 30, 319-324.
- SMITH, D.C. and BEGG, C. (1978): Preliminary data on garnet and kyanite solubility in clinopyroxene in a natural grosspydite. Progress Report Experimental Petrology 4, NERC Pub. Ser. D11, 43-44.
- SMITH, D.C. and BILLARD, K. (2009) Two Mogul gemstone-rich necklaces examined in detail with the DeltaNu "Inspector" ultramobile MRM. 5th International Conference on the application of Raman spectroscopy in Art and Archaeology (RAA2009), Bilbao 14-18 September 2009, Book of Abstracts
- SMITH, D.C. and BOUCHARD, M. (2000): PETRORAMAN et GEMMORAMAN, "Archéométrie", Dossiers de l'Archéologie, n° 253 Mai 2000, Dijon, 54-59.
- SMITH, D.C. and BOYER, H. (1985): Raman microprobe fingerprinting of ordered and disordered pyroxenes in the system diopside-omphacite-jadeite. Second Internat. Eclogite Conf., Terra Cognita 5, n° 4, 429.
- SMITH, D.C. and BOYER, H. (1987): An exploration of the Raman spectra of several natural high-pressure amphiboles. Internat. Conference "GEORAMAN-86", Terra Cognita 7, 21.
- SMITH, D.C. and CARABATOS-NEDELEC, C., (2001): Raman Spectroscopy Applied to Crystals: Phenomena and Principles, Concepts and Conventions. Chapter 9, 349-422 in: A Handbook on Raman Spectroscopy, I.LEWIS and H.G.M.EDWARDS (eds), Marcel Dekker Inc., New York.
- SMITH, D.C. and CHEENEY, R.F. (1980): Orientated needles of quartz in clinopyroxene: evidence for exsolution of SiO₂ from a non-stoichiometric supersilicic "clinopyroxene". 26th Internat. Geol. Congr. Paris, Abstracts 02.3.1, 145.
- SMITH, D.C. and CHEENEY, R.F. (1981): A new occurrence of garnet-ultrabasite in the Caledonides: a Cr-rich chromite-garnet-Iherzolite from Tvaerdalen, Liverpool Land, East Greenland. Uppsala Caledonide Symposium (UCS), Terra Cognita 1, n° 1, 74.
- SMITH, D.C. and DUBESSY, J. (1986): "Focus on GeoRaman", report on the conference: GEORAMAN-86, Terra Cognita 7, n° 1, 27-30.
- SMITH, D.C. and EDWARDS, H.G.M. (1998): A wavenumber searchable tabular indexed catalogue for "ARCHAEORAMAN": Raman spectra of geomaterials and biomaterials of interest in Archaeology (sensu lato). In AHEYNS (ed.), Proceedings ICORS-98, XVIth International Conference on Raman Spectroscopy, 6-11 Sept. 1998, Cape Town, John Wiley, Chichester, 510-511.
- SMITH, D.C. and Gaston GODARD (2009) UV and VIS Raman spectra of natural lonsdaleites : towards a recognised standard. Spectrochimica Acta Parts A, 73/3, 428-435.
- SMITH, D.C. and GENDRON, F. (1997): New locality and a new kind of jadeite jade from Guatemala: rutile-quartz-jadeitite. Fifth International Eclogite Conference, Terra Nova 9, Abstract Suppl. 1, 35.
- SMITH, D.C. and GENDRON, G. (1997): Archaeometric application of the Raman Microprobe to the non-destructive identification of two pre-Columbian ceremonial polished "greenstone" axe-heads from Mesoamerica. J. Raman Spectrosc. 28, 731-738.

- SMITH, D.C. and JUVE, G. (1997): RMP confirmation of an unusual poikiloblastic cubic xenocryst from Lapland: one of Europe's first definite diamonds (collected ca. 1892). Fifth International Eclogite Conference, Terra Nova 9, Abstract Suppl. 1, 35-36.
- SMITH, D.C. and KECHID, S.-A. (1983): Three rare Al- and Na-rich micas in the Liset eclogite pod, Norway: Mg-Fe-margarite, preiswerkite and Na-eastonite. EUG ^{II}, Terra Cognita 3, n° 2/3, 191.
- SMITH, D.C. and LAPPIN, M.A. (1982): Aluminium- and fluorine-rich sphene and clinoamphibole in the Liset eclogite pod, Norway. First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 317-318.
- SMITH, D.C. and LAPPIN, M.A. (1989): Coesite in the Straumen kyanite-eclogite pod, Norway. Terra Nova 1, 47-56.
- SMITH, D.C. and M. Bouchard (2002): Bronze disease: non-destructive distinction of three polymorphs of Cu₂Cl(OH)3 by Raman Microscopy (RM). "ART 2002", 7th International Conference on Non-destructive Testing and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental heritage, University of Antwerp, June 2002, Abstract vol. , p. 227.
- SMITH, D.C. and PERIN, P. (2003) Non-destructive in situ MRM (Mobile Raman Microscope) semi-quantitative chemical analysis of garnets in Merovingian cloisonné style jewellery from Vicq, France. International Congress "Application of Raman Spectroscopy in Art and Archaeology", Ghent, Sept. 2003, 62.
- SMITH, D.C. and PERSEIL, E.A. (1996): Cristallochimie de l'antimoine dans la titanite, le rutile et la roméite des concentrations manganésifères de St.Marcel-Praborna, V. Aoste (Italie). Réunion biennale française RST, Résumés, 168.
- SMITH, D.C. and PERSEIL, E.-A. (1997): Sb-rich rutile in the manganese concentrations at St.Marcel-Praborna, Aosta Valley, Italy: petrology and crystal-chemistry. Mineral. Magazine 61, 655-669.
- SMITH, D.C. and PERSEIL, E.A.P. (1996): The Sb ⁵⁺ + R ³⁺ = 2 Ti ⁴⁺ substitution in natural titanites and rutiles from St. Marcel, Aosta, Italy, observed with Raman Spectroscopy. Congress "GEORAMAN-96", IMN/Université Nantes, Terra Nova 8, Abstract Suppl. 2, 11.
- SMITH, D.C. and PINET, M. (1985): Petrochemistry of opaque minerals in eclogites from the Western Gneiss Region, Norway. II: Chemistry of the ilmenite mineral group. Chem. Geol., 50, 251-266.
- SMITH, D.C. and PINET, M. (1989): A method for single variable plotting of multi-dimensional chemical data for comparing Raman wavenumbers with chemical variations in solid-solutions. GEORAMAN-89: CONTRIBUTIONS, Special Pub. ANRT, Association Nationale de la Recherche Technique, Paris, 24.
- SMITH, D.C. and PINET, M. (1993): Attributing Raman spectral bands across the almandine-grossular join with a synthetic Alm 50 - Gro 50 garnet. Terra Nova 5, Abstract Suppl. 4, 24.
- SMITH, D.C. and PINET, M. (1993): Dodecahedral or octahedral site exchanges in natural ugrandite or pyralspite garnets observed by Raman Spectroscopy. EUG ^{VII}, Terra Nova 5, Abstract Suppl. 1, D13, 500-501.
- SMITH, D.C. and PINET, M. (1996): Interpolating Raman bands between end-member garnets within and between the ternary garnet systems Pyr-Alm-Spe and Gro-And-Uva on the basis of 100 natural and 10 synthetic samples. Congress "GEORAMAN-96", IMN/Université Nantes, Terra Nova 8, Abstract Suppl. 2, 11.
- SMITH, D.C. and ROBIN, S. (1997): Early-Roman Empire intaglios from "rescue excavations" in Paris: an application of the Raman Microprobe to the non-destructive characterisation of archaeological objets. J. Raman Spectrosc. 28, n° 2&3, 189-193.
- SMITH, D.C. and VERNIOLES, J.D. (1997): The temperature of fusion of a Celtic vitrified fort: a feasibility study of the application of the Raman Microprobe to the non-destructive characterisation of unprepared archaeological objects. J. Raman Spectrosc. 28, n° 2&3, 194-197.
- SMITH, D.C. and VIDAL, P. (1985): Preface. Special Issue: Isotope Geochemistry and Geochronology of Eclogites. Chemical Geology (Isotope Geoscience Section), 52, n° 2, (iii).
- SMITH, D.C. and YANG, J. (1991): Low-Al orthopyroxenes in eclogite from gneiss and peridotite near to the "Su-Lu Coesite-Eclogite Province", China. Terra Nova 3, Abstracts Suppl. n° 6, 12.
- SMITH, D.C. et BOUCHARD, M. (2005): Note sur l'analyse non-destructive par Microscopie Raman des pigments dans les peintures pariétales préhistoriques de Santa Elina, Brésil. in Pré-Historia do Mato Grosso : Abrigios Rupestres de Santa Elina e da Cidade de Pedra, Ed. A. Vilhena Vialou, EDSUP, Universita da Sao Paulo, Brésil, Vol. 1, 31-36.
- SMITH, D.C. et BOUCHARD, M., (2000): Analyse de pigments des peintures pariétales de Pergouset par Microscopie Raman, In La grotte de Pergouset, Ed. Lorblanchet M., Editions DAF, Paris, 174.
- SMITH, D.C. et GONTIER, E. (1991): "Du tétraèdre au cristal", Film 16mm couleur, Publ. Muséum National d'Histoire Naturelle, Paris.
- SMITH, D.C., 1999: Recent acquisitions in the RAMANITA © database of Raman spectra from non-silicates, Congress GEORAMAN'99 ABSTRACTS, Special Pub. Universidad Valladolid Press, Valladolid, Abstracts Vol., 20-21.
- SMITH, D.C., GONTIER, E. and REINHARDT, A. (2003) Raman Microscopy of Chinese nephrite jades, both ancient cultural artefacts and geological sources in China. International Congress "Application of Raman Spectroscopy in Art and Archaeology", Ghent, Sept. 2003, 85.
- SMITH, D.C., PERIN, P., KAZANSKI, M. and GABUEV, T. (2003) Andradite-rich pentary garnet compositions deduced from non-destructive in situ MRM (Mobile Raman Microscope) semi-quantitative chemical analysis of Vth century cloisonné

- garnets from an Alan warrior burial mound at Brut, Northern Ossetia, Russian Federation. International Congress "Application of Raman Spectroscopy in Art and Archaeology", Ghent, Sept. 2003, 39.
- SMITH, D.C., (1998), The Raman Microprobe (RMP), Invited Keynote Talk, Mineralogical Society Winter Conference: "Microbeam Techniques in the Geosciences", 7-9 January 1998, London, Abstracts Vol., ____.
- SMITH, D.C., (1999): Letting loose a laser: MRM (Mobile Raman Microscopy) for Archæometry and Ethnomineralogy in the next millennium. Invited FEATURE article, Mineral. Soc. Bulletin, December 1999, Mineral. Soc. Great Britain, 3-8.
- SMITH, D.C., (2000): Pigments rouges et bleus sur cinq oeuvres d'Amérique: Analyse non-destructive par MRM (Microscopie Raman Mobile). TECHNE 11, Louvre, Paris, 69-83.
- SMITH, D.C., 1998, "Applications de la Microsonde Raman en Minéralogie", Réunion Scientifique en l'honneur du Professeur Jacques Fabriès, 11-12 Juin 1998, Paris, Abstracts Vol.
- SMITH, D.C., 1998, Une sélection d'applications de la spectroscopie Raman des géomatériaux dans les sciences géologiques et archéologiques, CNRS Ecole Thématische: "Spectroscopie Raman en Chimie et Physique des Matériaux", 27 Sept. - 3 Oct. 1998, Autrans, vol. 1., 4 pages non-numérotées.
- SMITH, D.C., BARBET, A. and DANDRAU, A. (1998): A Raman Microscopic exploration of pigments from ancient civilisations in Ukraine, Syria and Greece. In AHEYNS (ed.), Proceedings ICORS-98, XVIth International Conference on Raman Spectroscopy, 6-11 Sept. 1998, Cape Town, John Wiley, Chichester, 552-553.
- SMITH, D.C., BOUCHARD, M. and LORBLANCHET, M., (1999), An initial Raman Microscopic investigation of Prehistoric Rock Art in caves of the Quercy District, S.W. France, Journ. Raman Spectrosc., 30, 347-354.
- SMITH, D.C., BOYER, H. and PINET, M. (1987): An indexed catalogue of the Raman spectra of minerals. Internat. Conference "GEORAMAN-86", Terra Cognita 7, 21-22.
- SMITH, D.C., BRUNEL, M. and KIENAST, J.-R. (1991): Two unusual potassium-bearing mineral associations in eclogite from the "Dabie Shan Coesite-Eclogite Province", Central China. Terra Nova 3, Abstracts Suppl. n° 6, 11-12.
- SMITH, D.C., CARABATOS-NEDELEC, C. and BOUCHARD, M., 1999c, VITRORAMAN: establishing a database on the Raman spectra of pigments on and in stained glass, Congress GEORAMAN'99 ABSTRACTS, Special Pub. Universidad Valladolid Press, Valladolid, Abstracts Vol., 36-37.
- SMITH, D.C., DELLINGER, M. and GUILLAUME, M., 1999: The Raman spectrum of monohydrocalcite, Congress GEORAMAN'99 ABSTRACTS, Special Pub. Universidad Valladolid Press, Valladolid, Abstracts Vol., 81-82.
- SMITH, D.C., Dobrzhinetskaya, L., Godard, G. & Green, H. (2011) – Diamond-lonsdaleite-graphite relationships examined by Raman mapping of carbon micro-inclusions in zircon at Kumdy Kol, Kokchetav, Kazakhstan: evidence of metamictisation of diamond. In: Dobrzhinetskaya L., S.W. Faryad, S. Wallis & S. Cuthbert (eds.) Ultrahigh Pressure Metamorphism: 25 years after the discovery of coesite and diamond, Elsevier, Amsterdam, Chap. 2, p. 43-75.
- SMITH, D.C., DOMENEGHETTI, C., ROSSI, G. and UNGARETTI, L. (1982): Single-crystal structure refinements of supersilicic clinopyroxene from the Zagadochnaya Kimberlite Pipe, Yakutia, USSR. Third Internat. Kimberlite Conf., Terra Cognita 2, n° 3, 223.
- SMITH, D.C., EDWARDS, H.G.M., and RUSS, J., 1999: Raman Microscopy of black paint in Prehistoric Rock Art from Seminole Canyon, Texas, 1999: Congress GEORAMAN'99 ABSTRACTS, Special Pub. Universidad Valladolid Press, Valladolid, Abstracts Vol., 61-62.
- SMITH, D.C., EDWARDS, H.G.M., BOUCHARD, M., BRODY, R., RULL-PEREZ, F., WITHNALL, R. and COUPRY, C., (2000): MRM (Mobile Raman Microscopy): a powerful non-destructive polyvalent in situ archæometric tool for microspectrometrical analysis of cultural heritage in the next millennium (ARCHAERAMAN): geomaterials, biomaterials and pigments. 2nd International Congress on "Science and Technology for the Safeguard of Cultural Heritage in the Mediterranean Basin, Nanterre, Paris, 5-9 July 1999, Proceedings book, (Ed). A. GUARINO, Elsevier, Amsterdam. vol. 2., 1373-1375.
- SMITH, D.C., FRANZ, G. and GEBAUER, D. (1985): Preface. Special Issue: Chemistry and Petrology of Eclogites. Chemical Geology, 50, n° 1/3, (vii)-(viii).
- SMITH, D.C., G. Godard, L. Dobrzhinetskaya, H. Green and M. Belleil. (2004): A preliminary comparative Raman mapping study of contrasting zircon/diamond/graphite relations at Kokchetav, Kazakhstan. XIXth International Conference on Raman Spectroscopy, ICORS, Gold Coast, Australia, 8-13 August 2004, Proceedings, (eds.) P.M.Fredericks, R.L.Frost & L.Rintoul, CD-ROM, Queensland Univ. Technology Library.
- SMITH, D.C., GENDRON, F. & GAUTIER, F. (1996): Applications of the Raman microprobe (RMP) to the non-destructive characterization of archaeological objects: II. Mexico: stone axes made of eclogite, gabbro or jade. Congress "GEORAMAN-96", IMN/Université Nantes, Terra Nova 8, Abstract Suppl. 2, 3.
- SMITH, D.C., GENDRON, F., BELLEIL, M., DUBERNET, S. & FOURY, D. (2005) Microcartographies Raman non-destructives des roches naturelles en Géologie et en Archéologie: (1) polymorphes de SiO₂ et rétrogression symplectitique d'une éclogite exhumée (Norvège); (2) zonation chimique d'un jade-jadéite avec microinclusions (Guatemala); (3) fluorescence dans une agate gemme (France); et (4) granulométrie d'une orthopyroxénite antique (Egypte). Colloque GFSV « Imagerie et cartographie en Spectroscopie Vibrationnelle : Etat de l'art, innovations et perspectives. » 26, 27 & 28 janvier 2005, Ecole de physique des Houches, abstract volume.

- SMITH, D.C., Gonthier, E., Benbalagh, N., de Noblet, T., Le-Brun, A. & Martinez-Arkarazo, I. (2007) Two filmed examples of recent in situ ultra-Mobile Raman Microscopy (uMRM) operations on the Cultural Heritage: Mamluk jewellery (Musée de l'Armée, Paris) and Prehistoric stone axes (Musée National d'Histoire et d'Art, Luxembourg). Congress Raman Spectroscopy in Archaeology and Art History, RAMANART, Univ. Modena, Abstract vol.
- SMITH, D.C., KECHID S.-A. and ROSSI R. (1986): Occurrence and properties of lisetite, $\text{Ca Na}_2\text{Al}_4\text{Si}_4\text{O}_{16}$, a new tektosilicate in the system Ca-Na-Al-Si-O. American Mineral., 71, 1372-1377.
- SMITH, D.C., KIENAST, J.-R., KORNPROBST, J. and LASNIER, B. (1982): Eclogites and their problems: an introduction to the First International Eclogite Conference. Terra Cognita 2, n° 3, 283-295.
- SMITH, D.C., LORBLANCHET, M., BOUCHARD, M. and DE LUMLEY, H. (1998): Prehistoric cave paintings in the Quercy District, France: a preliminary study of red pigments by Raman Microscopy. In AHEYNS (ed.), Proceedings ICORS-98, XVIth International Conference on Raman Spectroscopy, 6-11 Sept. 1998, Cape Town, John Wiley, Chichester, 550-551.
- SMITH, D.C., MARIA PERRAKI, EVRIPIDIS MPOSKOS (2006) THE LUMINESCENT CARBON-BEARING MICROINCLUSION ENIGMA IN THE KIMI UNIT, RHODEPE, GREECE: II: RAMAN MAPPING OF THE LUMINESCENT PHASE XXX. 7th International GEORAMAN congress, 3-7 June 2006, Almunecar, Spain, Book of Abstracts, Unidad Asociada UVA-CSIC a través del Centro de Astrobiología, Valladolid, 112-113.
- SMITH, D.C., MOTTANA, A. and ROSSI, G. (1980): Crystal-chemistry of a unique jadeite-rich acmite-poor omphacite from the Nybø eclogite pod, Sørpollen, Nordfjord, Norway. Lithos 13, 227-236.
- SMITH, D.C., OBERTI, R., UNGARETTI, L. and CANNILLO, E. (1986): On petrogenetical classifications of clinoamphiboles using discriminant analysis (DA) of crystal-chemical data: the key roles of Na and Al. Multivariate Statistical Workshop for Geologists and Geochemists, Abstracts, Univ. Bergen, Norway.
- SMITH, D.C., PARODI, G.C. and CAPITANIO, F. (1996): The Raman spectrum of the Si-poor (Ti,Zr)-rich garnet kimzeyite from Anguillara, Latium, Italy. Congress "GEORAMAN-96", IMN/Université Nantes, Terra Nova 8, Abstract Suppl. 2, 10-11.
- SMITH, D.C., PINET, M. and BOYER, H. (1988): Raman spectra of ternary pyralspite garnets and their preliminary calibration for the chemical analysis of synthetic or natural micron-size crystals. Terra Cognita 8, n° 1, 77-78.
- SMITH, D.C., PINET, M. and SCHUBNEL, H.-J. (1988): Museological applications of Raman micro-spectroscopy: mineralogical characterisations. Abstracts, Mineralogy and Museums Conference, British Museum Natural History, London, 17-18.
- SMITH, D.C., PINET, M. and YANG, J. (1989): A Raman microspectrometric calibration for the chemical analysis of pyroxenes in the system diopside-hedenbergite-aegirine. GEORAMAN-89: CONTRIBUTIONS, Special Pub. ANRT, Association Nationale de la Recherche Technique, Paris, 25.
- SMITH, D.C., PINET, M., SCHUBNEL, H.-J. and LASNIER, B. (1992): The first systematic compilation of Raman spectra of gemstones. Mineralogy and Museums Conference II, Toronto.
- SMITH, D.C., ROBIN, S. and VERNIOLES, J.D. (1996): Applications of the Raman microprobe (RMP) to the non-destructive characterization of archaeological objects: I. Gaul: Roman intaglios and a Celtic vitrified fort. Congress "GEORAMAN-96", IMN/Université Nantes, Terra Nova 8, Abstract Suppl. 2, 4.
- SMITH, D.C., TLILI, A., BOYER, H. and BENY, J.-M. (1987): Raman spectroscopy of phyllosilicates: II. Natural sodium micas, and crystal-chemical comparisons with potassium micas. Internat. Conference "GEORAMAN-86", Terra Cognita 7, 22.
- SMITH, D.C., YANG, J., OBERTI, R. and PREVIDE-MASSARA, E. (1990): A new locality of nybøite and taramite, the Jianchang eclogite pod in the "Chinese Su-Lu coesite-eclogite province", compared with the nybøite- and taramite-bearing Liset eclogite pod in the "Norwegian coesite-eclogite province". 15th IMA Assembly, Beijing, China, Abstracts, vol. 2, 889-890.
- SMITH, D.C., GODARD, G. and LASNIER, B. 1999: Île Dumet (Brittany) and its glaucophane eclogite: the little sister of île de Groix ?, Mineral. Soc. Great Britain, Metamorphic Studies Group, Meeting "Exhumation of Metamorphic Terranes", 31 Aug. - 2 Sept. 1999, Rennes, Abstracts Vol., 77.
- TLILI, A. and SMITH, D.C. (1993): Distinction between T-O_a and T-O_b-T asymmetrical stretching vibration bands in the 850-1200 cm⁻¹ range of Raman spectra of natural orientated micas. EUG VII. Terra Nova 5, Abstract Suppl. 1, D13, 502.
- TLILI, A., ROBERT, J.-L., BOIVIN, P. and SMITH, D.C. (1990): An experimental investigation of solid-solution in the system paragonite (PG) - margarite (MG) - mica L (ML) = $\text{Na}_2(\text{Al}_4\text{Mg}_1)_5(\text{Si}_4\text{Al}_4)_8\text{O}_{20}(\text{OH})_4$. Terra Abstracts 2, 99.
- TLILI, A., SMITH, D.C., BENY, J.-M. and BOYER, H. (1987): Raman spectroscopy of phyllosilicates: I. Natural potassium micas. Internat. Conference "GEORAMAN-86", Terra Cognita 7, 22.
- TLILI, A., SMITH, D.C., BENY, J.-M. and BOYER, H. (1989): A Raman microprobe study of natural micas. Mineral. Magazine 53, 165-179.
- TLILI, A., SMITH, D.C., ROBERT, J.-L. and BENY, J.-M. (1988): The distinction of Si-O-Si and Si-O-Al vibrations in natural and synthetic di- and tri-octahedral K-Na-micas. Terra Cognita 8, n° 1, 78-79.
- TOURET, J., SMITH, D.C. and KECHID, S.-A. (1982): Fluid inclusions in some eclogites and gneisses from the Western Gneiss Region, Norway. First Internat. Eclogite Conf., Terra Cognita 2, n° 3, 318.
- UNGARETTI, L., OBERTI, R. and SMITH, D.C. (1985): X-ray crystal structure refinements of ferro-alumino- and magnesio-alumino-taramites from the Liset eclogite pod, Norway. Terra Cognita 5, n° 4, 429-430.

- UNGARETTI, L., OBERTI, R. CANNILLO, E. and SMITH, D.C. (1986): Discriminant analysis (DA) of 400 X-ray refined clinoamphiboles. 14th Assembly Internat. Mineral. Assoc., Abstracts, 252.
- UNGARETTI, L., OBERTI, R., CANNILLO, E. and SMITH, D.C. (1986): Discrimination of petrogenetic conditions by means of X-ray single crystal refinements on clinoamphiboles. Rend. Soc. Ital. Min. Pet.
- UNGARETTI, L., SMITH, D.C. and ROSSI, G. (1980): Crystal-chemistry by electron microprobe and X-ray structure refinement analysis of a series of calcic- to sodic-amphiboles from the Nyb   eclogite pod, Nordfjord, Norway. 12th Assembly Internat. Mineral. Assoc. Abstracts, 193.
- UNGARETTI, L., SMITH, D.C. and ROSSI, G. (1981): Crystal-chemistry by X-ray structure refinement and electron microprobe analysis of a series of sodic-calcic to alkali-amphiboles from the Nyb   eclogite pod, Norway. Bull. Min  ral. 104, 400-412.
- UNGARETTI, L., SMITH, D.C., TLILI, A. and OBERTI, R. (1990): X-ray structure analysis of "eastonite" and preiswerkite, the crystal-chemistry of the Mg + Si = Al^{VI} + Al^{IV} exchange in (K,Na)- trioctahedral micas, and a new site (X) for tetrahedrally-coordinated low-valent cations (Li, Na, Mg, Fe²⁺). 15th IMA Assembly, Beijing, China, Abstracts, vol. 1, 355-356.
- VRIJMOED, J.C., D.C. SMITH and H.L.M. VAN ROERMUND (2008) Raman Confirmation of Microdiamond in the Svartberget Fe-Ti type garnet peridotite, Western Gneiss Region, Western Norway. Terra Nova, v20 n°4, 295-301.
- YANG, J. and SMITH, D.C. (1989): Evidence for a former sanidine-coesite eclogite at Lanshantou, Eastern China, and the recognition of the Chinese "Su-Lu coesite-eclogite province". Third Internat. Eclogite Conf., Terra Abstracts 1, n° 2, 26.
- YANG, J., GODARD, G. and SMITH, D.C., (1998): The K-feldspar-bearing coesite pseudomorphs in an eclogite from Lanshantou (Eastern China). European J. Mineralogy 10, 969-985.