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Bibliography

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Part 1: from 1st April 2003 to 30 September 2003

Basun, S., Imbusch, G. F., Jia, D. D. and Yen, W. M. (2003). The analysis of thermoluminescence glow curves. *Journal of Luminescence* **104**, 283-294.

Bateman, M. D., Thomas, D. S. G. and Singhvi, A. K. (2003). Extending the aridity record of the Southwest Kalahari: current problems and future perspectives. *Quaternary International* **111**, 37-49.

Berger, G. W. (2003). Luminescence chronology of late Pleistocene loess-paleosol and tephra sequences near Fairbanks, Alaska. *Quaternary Research* **60**, 70-83.

Bird, M. I., Turney, C. S. M., Fifield, L. K., Smith, M. A., Miller, G. H., Roberts, R. G. and Magee, J. W. (2003). Radiocarbon dating of organic- and carbonate-carbon in Genyornis and Dromaius eggshell using stepped combustion and stepped acidification. *Quaternary Science Reviews* **22**, 1805-1812.

Bogatikov, O. A., Gurbanov, A. G., Koschug, D. G., Gazeev, V. M. and Shabalin, R. V. (2002). The EPR of the rock-forming quartz from volcanic rocks of the Elbrus Volcano, Northern Caucasus, Russia. *Doklady Earth Sciences* **385**, 570-573.

Bowler, J. M., Johnston, H., Olley, J. M., Prescott, J. R., Roberts, R. G., Shawcross, W. and Spooner, N. A. (2003). New ages for human occupation and climatic change at Lake Mungo, Australia. *Nature* **421**, 837-840.

Cazenave, S., Chapoulie, R. and Villeneuve, G. (2003). Cathodoluminescence of synthetic and natural calcite: the effects of manganese and iron on orange emission. *Mineralogy and Petrology* **78**, 243-253.

Chamyal, L. S., Maurya, D. M. and Raj, R. (2003). Fluvial systems of the drylands of western India: a synthesis of Late Quaternary environmental and tectonic changes. *Quaternary International* **104**, 69-86.

Clarke, M. L., Vogel, J. C., Botha, G. A. and Wintle, A. G. (2003). Late Quaternary hillslope evolution recorded in eastern South African colluvial badlands. *Palaeogeography, Palaeoclimatology, Palaeoecology* **197**, 199-212.

Correcher, V., Molina, D. and Garcia-Guinea, J. (2003). Effect of radiation on thermoluminescent properties of lava (in Spanish). *Revista Mexicana de Fisica* **49**, 235-241.

Curnoe, D., Grün, R. and Thackeray, J. F. (2002). Electron spin resonance dating of tooth enamel from Kromdraai B, South Africa. *South African Journal of Science* **98**, 540-540.

De Corte, F., Hossain, S. M., Jovanovic, S., Dlabac, A., De Wispelaere, A., Vandenberghe, D. and Van den Haute, P. (2003). Introduction of Marinelli effective solid angles for correcting the calibration of NaI(Tl) field gamma-ray spectrometry in TL/OSL dating. *Journal of Radioanalytical and Nuclear Chemistry* **257**, 551-555.

Duller, G. A. T. and Murray, A. S. (2000). Luminescence dating of sediments using individual mineral grains. *Geology* **5**, 87-106.

Duttine, M., Villeneuve, G., Poupeau, G., Rossi, A. M. and Scorzelli, R. B. (2003). Electron spin resonance of Fe³⁺ ion in obsidians from Mediterranean islands: application to provenance studies. *Journal of Non-crystalline Solids* **323**, 193-199.

Dykeman, D. D., Towner, R. H. and Feathers, J. K. (2002). Correspondence in tree-ring and thermoluminescence dating: a protohistoric Navajo pilot study. *American Antiquity* **67**, 145-164.

- Erfurt, G., Krbetschek, M. R., Bortolot, V. J. and Preusser, F. (2003). A fully automated multi-spectral radioluminescence reading system for geochronometry and dosimetry. *Nuclear Instruments and Methods in Physics Research B* **207**, 487-499.
- Fattahi, M. and Stokes, S. (2003). Dating volcanic and related sediments by luminescence methods: a review. *Earth-Science Reviews* **62**, 229-264.
- Feathers, J. K. (2003). Use of luminescence dating in archaeology. *Measurement Science and Technology* **14**, 1493-1509.
- Ferko, T. E., Wang, M. S., Hillegonds, D. J., Lipschutz, M. E., Hutchison, R., Franke, L., Scherer, P., Schultz, L., Benoit, P. H., Sears, D. W. G., Singhvi, A. K. and Bhandari, N. (2002). The irradiation history of the Ghubara (L5) regolith breccia. *Meteoritics and Planetary Science* **27**, 311-327.
- Finch, A. A., Hole, D. E. and Townsend, P. D. (2003). Orientation dependence of luminescence in plagioclase. *Physics and Chemistry of Minerals* **30**, 373-381.
- Godfrey-Smith, D. I. and Casey, J. L. (2003). Direct thermoluminescence chronology for Early Iron Age smelting technology on the Gambaga Escarpment, Ghana. *Journal of Archaeological Science* **30**, 1037-1050.
- Godfrey-Smith, D. I., Vaughan, K. B., Gopher, A. and Barkai, R. (2003). Direct luminescence chronology of the epipaleolithic Kebaran site of Nahal Hadera V, Israel. *Geoarchaeology* **18**, 461-475.
- Hansen, E. C., Arbogast, A. F., Packman, S. C. and Hansen, B. (2003). Post-Nipissing origin of a backdune complex along the southeastern shore of Lake Michigan. *Physical Geography* **23**, 233-244.
- Hashimoto, T., Nishiyama, E. and Yanagawa, Y. (2003). Radiation-induced luminescence and hydrogen radical formation associated with thermal annealing treatments on feldspars. *Journal of Radioanalytical and Nuclear Chemistry* **255**, 81-85.
- Haustein, M., Roewer, G., Krbetschek, M. R. and Pernicka, E. (2003). Dating archaeometallurgical slags using thermoluminescence. *Archaeometry* **45**, 519-530.
- Hesse, P. P., Humphreys, G. S., Selkirk, P. M., Adamson, D. A., Gore, D. A., Nobes, D. C., Price, D. M., Schwenninger, J.-L., Smith, B., Tulau, M. and Hemmings, F. (2003). Late Quaternary aeolian dunes on the presently humid Blue Mountains, Eastern Australia. *Quaternary International* **108**, 13-32.
- Hong, D. G., Galloway, R. B., Kim, M. J. and Park, S. B. (2003). Optical dating of the hydroponic farm at Korea. *Journal of Radioanalytical and Nuclear Chemistry* **256**, 365-368.
- Hormes, A., Preusser, F., Denton, G., Hajdas, I., Weiss, D., Stocker, T. F. and Schluchter, C. (2003). Radiocarbon and luminescence dating of overbank deposits in outwash sediments of the Last Glacial Maximum in North Westland, New Zealand. *New Zealand Journal of Geology and Geophysics* **46**, 95-106.
- Hossain, S. M., De Corte, F., Vandenberghe, D. and Van den Haute, P. (2003). Annual radiation dose determination in the luminescence dating of Ossendrecht sand; specific problems and procedures. *Czechoslovak Journal of Physics* **53**, A257-A263.
- Hossain, S. M., De Corte, F., Vandenberghe, D. and Van den Haute, P. (2003). The role of k(0)-NAA in the assessment of the annual radiation dose for use in TL/OSL dating of sediments. *Journal of Radioanalytical and Nuclear Chemistry* **257**, 639-642.
- Jacobs, Z., Duller, G. A. T. and Wintle, A. G. (2003). Optical dating of dune sand from Blombos Cave, South Africa: II - single grain data. *Journal of Human Evolution* **44**, 613-625.

Jacobs, Z., Wintle, A. G. and Duller, G. A. T. (2003). Optical dating of dune sand from Blombos cave, South Africa: I - multiple grain data. *Journal of Human Evolution* **44**, 599-612.

Jain, M. and Tandon, S. K. (2003). Quaternary alluvial stratigraphy and palaeoclimatic reconstruction at the Thar margin. *Current Science* **84**, 1048-1055.

Juyal, N., Kar, A., Rajaguru, S. N. and Singhvi, A. K. (2003). Luminescence chronology of aeolian deposition during the Late Quaternary on the southern margin of Thar Desert, India. *Quaternary International* **104**, 87-98.

Kemp, R. A., Toms, P. S., Sayago, J. M., Derbyshire, E., King, M. and Wagoner, L. (2003). Micromorphology and OSL dating of the basal part of the loess-paleosol sequence at La Mesada in Tucuman province, Northwest Argentina. *Quaternary International* **106/107**, 111-117.

Kitis, G., Pagonis, V. and Drupieski, C. (2003). Cooling rate effects on the thermoluminescence glow curves of Arkansas quartz. *Physica Status Solidi A: Applied Research* **198**, 312-321.

Lahitte, P., Gillot, P. Y., Kidane, T., Courtillot, V. and Bekele, A. (2003). New age constraints on the timing of volcanism in central Afar, in the presence of propagating rifts. *Journal of Geophysical Research - Solid Earth* **108**, 2123.

Lang, A. (2003). Phases of soil erosion-derived colluviation in the loess hills of South Germany. *Catena* **51**, 209-221.

Malec-Czechowska, K., Strzelczak, G., Dancewicz, A. M., Stachowicz, W. and Delincee, H. (2003). Detection of irradiation treatment in dried mushrooms by photostimulated luminescence, EPR spectroscopy and thermoluminescence measurements. *European Food Research and Technology* **216**, 157-165.

Matmon, A., Crouvi, O., Enzel, Y., Bierman, P., Larsen, J., Porat, N., Amit, R. and Caffee, M. (2003). Complex exposure histories of chert clasts in the Late Pleistocene shorelines of Lake Lisan, southern Israel. *Earth Surface Processes and Landforms* **28**, 493-506.

Morgenstein, M. E., Luo, S., Lu, T. L. and Feathers, J. (2003). Uranium-series and luminescence dating of volcanic lithic artefacts. *Archaeometry* **45**, 503-518.

Nakagawa, T., Usuda, H. and Hashimoto, T. (2003). Optically stimulated luminescence (OSL) and thermoluminescence (TL) measurements on red TL (RTL) quartz samples using a new automated OSL/TL measuring system. *Journal of Radioanalytical and Nuclear Chemistry* **255**, 355-358.

Owen, L. A., Spencer, J. Q., Ma, H. Z., Barnard, P. L., Derbyshire, E., Finkel, R. C., Caffee, M. W. and Nian, Z. Y. (2003). Timing of Late Quaternary glaciation along the southwestern slopes of the Qilian Shan, Tibet. *Boreas* **32**, 281-291.

Pagonis, V., Kitis, G. and Chen, R. (2003). Applicability of the Zimmerman predose model in the thermoluminescence of predosed and annealed synthetic quartz samples. *Radiation Measurements* **37**, 267-274.

Personius, S. F. and Mahan, S. A. (2003). Paleoearthquakes and eolian-dominated fault sedimentation along the Hubbell Spring fault zone near Albuquerque, New Mexico. *Bulletin of the Seismological Society of America* **93**, 1355-1369.

Poolton, N. R. J., Malins, A. E. R., Quinn, F. M., Pantos, E., Andersen, C. E., Bøtter-Jensen, L., Johnsen, O. and Murray, A. S. (2003). Luminescence excitation characteristics of Ca-, Na- and K-aluminosilicates (feldspars), in the stimulation range 20-500 eV; optical detection of XAS. *Journal of Physics D - Applied Physics* **36**, 1107-1114.

Preusser, F., Geyh, M. A. and Schlüchter, C. (2003). Timing of Late Pleistocene climate change in lowland Switzerland. *Quaternary Science Reviews* **22**, 1435-1445.

Rink, W. J. (2003). Thermoluminescence of quartz and feldspar sand grains as a tracer of nearshore environmental processes in the southeastern Mediterranean Sea. *Journal of Coastal Research* **19**, 723-730.

Rink, W. J., Bartoll, J., Goldberg, P. and Ronen, A. (2003). ESR dating of archaeologically relevant authigenic terrestrial apatite veins from Tabun Cave, Israel. *Journal of Archaeological Science* **30**, 1127-1138.

Roberts, H. M., Muhs, D. R., Wintle, A. G., Duller, G. A. T. and Bettis, E. A. (2003). Unprecedented last-glacial mass accumulation rates determined by luminescence dating of loess from western Nebraska. *Quaternary Research* **59**, 411-419.

Shaw, P. A., Bateman, M. D., Thomas, D. S. G. and Davies, F. (2003). Holocene fluctuations of Lake Ngami, Middle Kalahari: chronology and responses to climatic change. *Quaternary International* **111**, 23-35.

Singh, I. B., Jaiswal, M., Singhvi, A. K. and Singh, B. K. (2003). Rapid subsidence of western Ganga plain during late Pleistocene: evidence from optical dating of subsurface samples. *Current Science* **84**, 451-454.

Sørensen, R., Murray, A. S., Kaaya, A. K. and Kilasara, M. (2001). Stratigraphy and formation of a Late Pleistocene colluvial apron in Morogoro district, Central Tanzania. *Palaeoecology of Africa and the surrounding islands*. K. Heine and J. Runge, Balkema. **27**, 95-116.

Souza, S. O., Selvin, P. C. and Watanabe, S. (2003). Thermally stimulated luminescence, optical absorption and EPR studies on kyanite crystals. *Journal of Luminescence* **102**, 575-580.

Srivastava, P., Sharma, M. and Singhvi, A. K. (2003). Luminescence chronology of incision and channel pattern changes in the River Ganga, India. *Geomorphology* **51**, 259-268.

Srivastava, P., Singh, I. B., Sharma, M. and Singhvi, A. K. (2003). Luminescence chronometry and Late Quaternary geomorphic history of the Ganga Plain, India. *Palaeogeography, Palaeoclimatology, Palaeoecology* **197**, 15-41.

Srivastava, P., Singh, I. B., Sharma, S., Shukla, U. K. and Singhvi, A. K. (2003). Late Pleistocene-Holocene hydrologic changes in the interfluve areas of the central Ganga Plain, India. *Geomorphology* **54**, 279-292.

Stokes, S., Ingram, S., Aitken, M. J., Sirocko, F., Anderson, R. and Leuschner, D. (2003). Alternative chronologies for Late Quaternary (Last Interglacial-Holocene) deep sea sediments via optical dating of silt-sized quartz. *Quaternary Science Reviews* **22**, 925-941.

Sugio, K., Tatumi, S. H., Kowata, E. A., Munita, C. S. and Paiva, R. P. (2003). Upper Pleistocene deposits of the Comprida Island (Sao Paulo State) dated by thermoluminescence method. *Anais da Academia Brasileira de Ciencias* **75**, 91-96.

Takano, M., Yawata, T. and Hashimoto, T. (2003). Luminescence dosimetry of archaeological and ceramic samples using a single-aliquot regenerative-dose method. *Journal of Radioanalytical and Nuclear Chemistry* **255**, 365-368.

Taranenko, V., Meckbach, R., Degteva, M. O., Bougrov, N. G., Göksu, Y., Vorobiova, M. I. and Jacob, P. (2003). Verification of external exposure assessment for the upper Techa riverside by luminescence measurement and Monte Carlo photon transport modeling. *Radiation and Environmental Biophysics* **42**, 17-26.

Tatumi, S. H., Kowata, E. A., Gozzi, G., Kassab, L. R. P., Sugio, K., Barreto, A. M. F. and Bezerra, F. H. R. (2003). Optical dating of beachrock, eolic dunes and sediments applied to sea-level changes study. *Journal of Luminescence* **102/103**, 562-565.

Tatumi, S. H., Peixoto, M. N. O., Moura, J. R. S., Mello, C. L., Carmo, I. O., Kowata, E. A., Yee, M., Brito, S. L. M., Gozzi, G. and Kassab, L. R. P. (2003). Optical dating using feldspar from Quaternary alluvial and colluvial sediments from SE Brazilian Plateau, Brazil. *Journal of Luminescence* **102/103**, 566-570.

Thomas, D. S. G., Brook, G., Shaw, P., Bateman, M., Haberyan, K., Appleton, C., Nash, D., McLaren, S. and Davies, F. (2003). Late Pleistocene wetting and drying in the NW Kalahari: an integrated study from the Tsodilo Hills, Botswana. *Quaternary International* **104**, 53067.

Thomas, M. F. and Murray, A. S. (2001). On the age and significance of Quaternary colluvium in eastern Zambia. Palaeoecology of Africa and the surrounding islands. K. H. a. J. Runge, Balkema. **27**: 117-133.

Trukhin, A., Kink, M., Maksimov, Y. and Kink, R. (2003). Self-trapped exciton luminescence in crystalline alpha-quartz under two-photon laser excitation. *Solid State Communications* **127**, 655-659.

Turkin, A. A., van Es, H. J., Vainshtein, D. I. and den Hartog, H. W. (2003). Thermoluminescence of zircon: a kinetic model. *Journal of Physics - Condensed Matter* **15**, 2875-2897.

Ujhazy, K., Gabris, G. and Frechen, M. (2003). Ages of periods of sand movement in Hungary determined through luminescence measurements. *Quaternary International* **111**, 91-100.

Vyas, P. R., Gandhi, Y. H. and Joshi, T. R. (2003). Effect of pre-thermal treatment on thermoluminescence of synthetic quartz. *Indian Journal of Pure and Applied Physics* **41**, 128-130.

Yazici, A. N. and Topaksu, M. (2003). The analysis of thermoluminescence glow peaks of unannealed synthetic quartz. *Journal of Physics D- Applied Physics* **36**, 620-627.

Part 2 : from 30 September 2003 to 31st March 2004

Bailey, R. M. (2003). Paper I: The use of measurement-time dependent single-aliquot equivalent-dose estimates from quartz in the identification of incomplete signal resetting. *Radiation Measurements* **37**, 673-683.

Bailey, R. M. (2003). Paper II: The interpretation of measurement-time dependent single-aliquot equivalent-dose estimates using predictions from a simple empirical model. *Radiation Measurements* **37**, 685-691.

Bailey, R. M. (2004). Paper I - simulation of dose absorption in quartz over geological timescales and its implications for the precision and accuracy of optical dating. *Radiation Measurements* **38**, 299-310.

Bailiff, I. K., and Mikhailik, V. B. (2004). The use of calcium silicate bricks for retrospective dosimetry. *Radiation Measurements* **38**, 91-99.

Bailiff, I. K., Stepanenko, V. F., Goksu, H. Y., Bøtter-Jensen, L., Brodski, L., Chumak, V., Correcher, V., Delgado, A., Golokov, V., Jungner, H., Khamidova, L. G., Kolizhenkov, T. V., Likhtarev, I., Meckbach, R., Petrov, S. A., and Sholom, S. (2004). Comparison of retrospective dosimetry with computational modeling in two highly contaminated settlements downwind of the Chernobyl NPP. *Health Physics* **86**, 25-41.

Baril, M. R. (2004). CCD imaging of the infra-red stimulated luminescence of feldspars. *Radiation Measurements* **38**, 81-86.

Baril, M. R. (2004). Emission and excitation spectra of feldspar inclusions within quartz. *Radiation Measurements* **38**, 87-90.

Baril, M. R., and Huntley, D. J. (2003). Infrared stimulated luminescence and phosphorescence spectra of irradiated feldspars. *Journal of Physics: Condensed Matter* **15**, 8029-8048.

Baril, M. R., and Huntley, D. J. (2003). Optical excitation spectra of trapped electrons in irradiated feldspars. *Journal of Physics: Condensed Matter* **15**, 8011-8027.

Bayram, G., and Delincee, H. (2004). Identification of irradiated Turkish foodstuffs combining various physical detection methods. *Food Control* **15**, 81-91.

- Berger, G. W., Henderson, T. K., Banerjee, D., and Nials, F. L. (2004). Photonic dating of prehistoric irrigation canals at Phoenix, Arizona, USA. *Geoarchaeology* **19**, 1-19.
- Bishop, P., Sanderson, D. C. W., and Stark, M. (2004). OSL and radiocarbon dating of a pre-Angkorian canal in the Mekong delta, southern Cambodia. *Journal of Archaeological Science* **31**, 319-336.
- Blum, M. D., Carter, A. E., Zayac, T., and Goble, R. J. (2002). Middle Holocene sea-level and evolution of the Gulf of Mexico Coast (US). *Journal of Coastal Research* **36**, 65-80.
- Bøtter-Jensen, L., McKeever, S. W. S., and Wintle, A. G. (2003). "Optically Stimulated Luminescence Dosimetry." Elsevier, Amsterdam.
- Bowman, D., Korjertkov, A., and Porat, N. (2004). Late-Pleistocene seismites from Lake Issyk-Kul, the Tien Shan Range, Kyrgyzstan. *Sedimentary Geology* **163**, 211-228.
- Bray, H. E., and Stokes, S. (2004). Temporal patterns of arid-humid transitions in the south-eastern Arabian Peninsula based on optical dating. *Geomorphology* **59**, 271-280.
- Correcher, V., Garcia-Guinea, J., Sanchez-Munoz, L., and Delgado, A. (2003). Effect of dopants in the luminescence properties of synthetic quartz for dosimetric purposes. *Journal of Materials Processing Technology* **143**, 871-874.
- Correcher, V., Garcia-Guinea, J., and Valle-Fuentes, F. J. (2003). Recent results on the thermoluminescence properties of diaspore. *Geophysical Research Letters* **30**, article 1949.
- Correcher, V., Robredo, L. M., Valle-Fuentes, F. J., Lopez-Arce, P., and Garcia-Guinea, J. (2003). Characterization of the thermoluminescence curve of zircon by radioactive content and differential thermal analysis (in Spanish). *Boletin de la Sociedad Espanola de Ceramica y Vidrio* **42**, 369-373.
- Crone, A. J., de Martini, P. M., Machette, M. N., Okumura, K., and Prescott, J. R. (2003). Paleoseismicity of two historically quiescent faults in Australia: implications for fault behavior in stable continental margins. *Bulletin of the Seismological Society of America* **93**, 1913-1934.
- Desprie, J., and Gageonnet, R. (2003). The very high alluvial formation of early Pleistocene age in the Creuse River Valley at Eguzon (Indre): cryoturbation patterns, prehistoric occupation sites and absolute dating (in French). *Bulletin de la Societe Geologique de France* **174**, 383-400.
- Duller, G. A. T. (2004). Luminescence dating of Quaternary sediments: recent advances. *Journal of Quaternary Science* **19**, 183-192.
- Erfurt, G. (2003). Infrared luminescence of Pb⁺ centres in potassium-rich feldspars. *Physica Status Solidi A* **200**, 429-438.
- Fattahi, M. (2004). The dependence of orange-red IRSL decay curves of potassium feldspars on sample temperature. *Radiation Measurements* **38**, 287-298.
- Fattahi, M., and Stokes, S. (2003). Red luminescence from potassium feldspar for dating applications: a study of some properties relevant for dating. *Radiation Measurements* **37**, 647-660.
- Fattahi, M., and Stokes, S. (2004). Absorbed dose evaluation in feldspar using a single-aliquot regenerative-dose (SAR) infrared-stimulated red luminescence protocol. *Radiation Measurements* **38**, 127-134.
- Fiebig, M., Preusser, M., and Preusser, F. (2003). The age of fluvial sediments from the Ingolstadt area (Bavaria) and their significance for the stratigraphy of the ice age in the Alpine foreland. *Zeitschrift für Geomorphologie* **47**, 449-467.

- Forman, S. L., and Pierson, J. (2003). Formation of linear and parabolic dunes on the eastern Snake River Plain, Idaho in the nineteenth century. *Geomorphology* **56**, 189-200.
- Frechen, M., Oches, E. A., and Kohfield, K. E. (2003). Loess in Europe - mass accumulation rates during the Last Glacial Period. *Quaternary Science Reviews* **22**, 1835-1857.
- French, H. M., Demitroff, M., and Forman, S. L. (2003). Evidence for Late-Pleistocene permafrost in the New Jersey Pine Barrens (latitude 29 degrees N), eastern USA. *Permafrost and Periglacial Processes* **14**, 259-274.
- Grün, R., Beaumont, P. B., Tobias, P. V., and Eggins, S. (2003). On the age of Border Cave 5 human mandible. *Journal of Human Evolution* **45**, 155-167.
- Hashimoto, T. (2003). Basic and applied studies of radiation-induced luminescence from natural minerals (in Japanese). *Journal of the Atomic Energy Society of Japan* **45**, 497-501.
- Henriksen, M., Mangerud, J., Matiouchkov, A., Paus, A., and Svendsen, J. I. (2003). Lake stratigraphy implies an 80 000 yr delayed melting of buried ice in northern Russia. *Journal of Quaternary Science* **18**, 663-679.
- Hesse, P. P., Humphreys, G. S., Smith, B. L., Campbell, J., and Peterson, E. K. (2003). Age of loess deposits in the Central Tablelands of New South Wales. *Australian Journal of Soil Research* **41**, 1115-1131.
- Hille, A., Junge, F. W., Geyh, M. A., Krbetschek, M., and Kremenetski, C. (2004). Characterising and dating Weichselian organogenic sediments: a case study from the Lusatian ice marginal valley (Scheibe opencast mine, eastern Germany). *Palaeogeography, Palaeoclimatology, Palaeoecology* **205**, 273-294.
- Houmark-Nielsen, M., and Kjaer, K. H. (2003). Southwest Scandinavia, 40-15 kyr BP: palaeogeography and environmental change. *Journal of Quaternary Science* **18**, 769-786.
- Huang, C. C., Pang, J. L., Chen, S. E., and Zhang, Z. P. (2003). Holocene dust accumulation and the formation of polycyclic cinnamon soils (luvisols) in the Chinese Loess Plateau. *Earth Surface Processes and Landforms* **28**, 1259-1270.
- Jain, M., Bøtter-Jensen, L., and Singhvi, A. K. (2003). Dose evaluation using multiple-aliquot quartz OSL: test of methods and a new protocol for improved accuracy and precision. *Radiation Measurements* **37**, 67-80.
- Jain, M., and Tandon, S. K. (2003). Fluvial response to Late Quaternary climate changes, western India. *Quaternary Science Reviews* **22**, 2223-2235.
- Jain, M., Thomsen, K. J., Bøtter-Jensen, L., and Murray, A. S. (2004). Thermal transfer and apparent-dose distributions in poorly bleached mortar samples: results from single grains and small aliquots of quartz. *Radiation Measurements* **38**, 101-109.
- Kamp, U. K., Haserodt, K., and Shroder, J. F. (2004). Quaternary landscape evolution in the eastern Hindu Kush, Pakistan. *Geomorphology* **57**, 1-27.
- Kemp, R. A., P.S., T., King, M., and Krohling, D. M. (2004). The pedosedimentary evolution and chronology of Tortugas, a Late Quaternary type-site of the northern Pampa, Argentina. *Quaternary International* **114**, 101-112.
- Kresten, P., Goedicke, C., and Manzano, A. (2004). TL-dating of vitrified material. *Geochronometria* **22**, 9-14.
- Lang, A., Niller, H. P., and Rind, M. M. (2003). Land degradation in Bronze Age Germany: archaeological, pedological, and chronometrical evidence from a hilltop settlement on the Frauenberg, Niederbayern. *Geoarchaeology* **18**, 757-778.
- Leigh, D. S., Srivastava, P., and Brook, G. A. (2004). Late Pleistocene braided rivers of the Atlantic coastal plain. *Quaternary Science Reviews* **23**, 65-84.

- Lokrantz, H., Ingolfsson, O., and Forman, S. L. (2003). Glaciotectonised Quaternary sediments at Cape Shpindler, Yugorski Peninsula, Arctic Russia: implications for glacial history, ice movements and Kara Sea Ice Sheet configuration. *Journal of Quaternary Science* **18**, 527-543.
- Mason, J. A., Jacobs, P. M., Hanson, P. R., Miao, X. D., and Goble, R. J. (2003). Sources and paleoclimatic significance of Holocene Bignell Loess, Central Great Plains, USA. *Quaternary Research* **60**, 330-339.
- Mason, J. A., Swinehart, J. B., Goble, R. J., and Loope, D. B. (2004). Late-Holocene dune activity linked to hydrological drought, Nebraska Sand Hills, USA. *The Holocene* **14**, 209-217.
- Mayer, J. H., and Mahan, S. A. (2004). Late Quaternary stratigraphy and geochronology of the western Killpecker Dunes, Wyoming, U.S.A. *Quaternary Research* **61**, 72-84.
- McLaren, S. J., Gilbertson, D. D., Grattan, J. P., Hunt, C. O., Duller, G. A. T., and Barker, G. A. (2004). Quaternary Palaeogeomorphic evolution of the Wadi Faynan area, southern Jordan. *Palaeogeography, Palaeoclimatology, Palaeoecology* **205**, 131-154.
- Mee, A. C., Bestland, E. A., and Spooner, N. A. (2004). Age and origin of Terra Rossa soils in the Coonawarra area of South Australia. *Geomorphology* **58**, 1-25.
- Mercier, N., and Valladas, H. (2003). Reassessment of TL age estimates of burnt flints from the Paleolithic site of Tabun Cave, Israel. *Journal of Human Evolution* **45**, 401-409.
- Miallier, D., Condomines, M., Pilleyre, T., Sanzelle, S., and Guittet, J. (2004). Concordant thermoluminescence and ²³⁸U-²³⁰Th ages for a trachytic dome (Grand Sarcoui) from the Chaîne des Puys (French Massif Central). *Quaternary Science Reviews* **23**, 709-715.
- Miallier, D., Sanzelle, S., Pilleyre, T., Vernet, G., Brugiére, S., and Danhara, T. (2004). Chronological and mineralogical data about the Sarlieve tephra and the CF7 tephra, chronostratigraphical marks in Grande Limagne (Massif Central, France) (in French). *Comptes Rendus Geoscience* **336**, 1-8.
- Murton, J. B., Bateman, M. D., Baker, C. A., Knox, R., and Whiteman, C. A. (2003). The Devensian periglacial record on Thanet, Kent, UK. *Permafrost and Periglacial Processes* **14**, 217-246.
- Ogundare, F. O., Balogun, F. A., and Hussain, L. A. (2004). Kinetic characterization of the thermoluminescence of natural fluorite. *Radiation Measurements* **38**, 281-286.
- Otvos, E. G. (2004). Prospects for interregional correlations using Wisconsin and Holocene aridity episodes, northern Gulf of Mexico coastal plain. *Quaternary Research* **61**, 105-118.
- Owen, L. A., Finkel, R. C., Haizhou, M., Spencer, J. Q., Derbyshire, E., Barnard, P. L., and Caffee, M. W. (2003). Timing and style of Late Quaternary glaciation in northeastern Tibet. *Geological Society of America Bulletin* **115**, 1356-1364.
- Pan, B. T., Burbank, D., Wang, Y. X., Wu, G. J., Li, J. J., and Guan, Q. Y. (2003). A 900 ky record of strath terrace formation during glacial-interglacial transitions in northwest China. *Geology* **31**, 957-960.
- Ponnusamy, V., Ramasamy, V., and Hemalatha, J. (2004). Thermostimulated luminescence (tsl) - thermal treatment in blue coloured calcite crystals. *Indian Journal of Pure and Applied Physics* **42**, 130-135.
- Poolton, N. R. J., Bøtter-Jensen, L., Andersen, C. E., Jain, M., Murray, A. S., Malins, A. E. R., and Quinn, F. M. (2003). Measuring modulated luminescence using non-modulated stimulation: ramping the sample period. *Radiation Measurements* **37**, 639-645.
- Porat, N., Wintle, A. G., and Ritte, M. (2004). Mode and timing of kurkar and hamra formation, central coastal plain, Israel. *Israel Journal of Earth Sciences* **53**, 13-25.

- Prescott, J. R., Robertson, G. B., Shoemaker, C., Shoemaker, E. M., and Wynn, J. (2004). Luminescence dating of the Wabar meteorite craters, Saudi Arabia. *Journal of Geophysical Research-Planets* **109**, E01008.
- Quinn, F., Poolton, N., Malins, A., Pantos, E., Andersen, C., CDenby, P., Dhanak, V., and Miller, G. (2003). The mobile luminescence end-station, MoLES: a new public facility at Daresbury Synchrotron. *Journal of Synchrotron Radiation* **10**, 461-466.
- Raab, A., Melles, M., Berger, G. W., Hagedorn, B., and Hubberten, H. W. (2003). Non-glacial paleoenvironments and the extent of Weichselian ice sheets on Severnaya Zemlya, Russian High Arctic. *Quaternary Science Reviews* **22**, 2267-2283.
- Richter, D. K., Gotte, T., Gotze, J., and Neuser, R. D. (2003). Progress in application of cathodoluminescence (CL) in sedimentary petrology. *Mineralogy and Petrology* **79**, 127-166.
- Rink, W. J. (2003). Electron spin resonance and luminescent dating. *Physics in Canada* **59**, 269-274.
- Rink, W. J., Schwarcz, H. P., Ronen, A., and Tsatskin, A. (2004). Confirmation of a near 400 ka age for the Yabrudian industry at Tabun Cave, Israel. *Journal of Archaeological Science* **31**, 15-20.
- Roberts, H. M., and Duller, G. A. T. (2004). Standardised growth curves for optical dating of sediment using multiple-grain aliquots. *Radiation Measurements* **38**, 241-252.
- Roberts, H. M., and Wintle, A. G. (2003). Luminescence sensitivity changes of polymineral fine grains during IRSL and [post-IR] OSL measurements. *Radiation Measurements* **37**, 661-671.
- Roque, C., Guibert, P., Vartanian, E., Viellevigne, E., and Bechtel, F. (2004). Changes in luminescence properties induced by thermal treatments: a case study at Sipan and Trujillo Moche sites (Peru). *Radiation Measurements* **38**, 119-126.
- Sakurai, T., and Gartia, R. K. (2003). Method of computerized glow curve deconvolution for analysing thermoluminescence. *Journal of Physics D - Applied Physics* **36**, 2719-2724.
- Sanderson, D. C. W., Carmichael, L. A., and Fisk, S. (2003). Photostimulated luminescence detection of irradiated herbs, spices, and seasonings: international interlaboratory trial. *Journal of AOAC International* **86**, 990-997.
- Sanderson, D. C. W., Carmichael, L. A., and Fisk, S. (2003). Photostimulated luminescence detection of irradiated shellfish: international interlaboratory trial. *Journal of AOAC International* **86**, 983-989.
- Sanderson, D. C. W., Carmichael, L. A., and Fisk, S. (2003). Thermoluminescence detection of irradiated fruits and vegetables: international interlaboratory trial. *Journal of AOAC International* **86**, 971-975.
- Sanderson, D. C. W., Carmichael, L. A., and Fisk, S. (2003). Thermoluminescence detection of irradiated shellfish: international interlaboratory trial. *Journal of AOAC International* **86**, 976-982.
- Sastry, M. D., Sullasi, H. S. L., Camargo, F., Watanabe, S., Prous, A. P. P., and Silva, M. M. C. (2004). Dating sediment deposits on Montalvanian carvings using EPR and TL methods. *Nuclear Instruments and Methods in Physics Research B* **213**, 751-755.
- Schellmann, G., and Radtke, U. (2004). A revised morpho- and chronostratigraphy of the Late and Middle Pleistocene coral reef terraces on Southern Barbados (West Indies). *Earth Science Reviews* **64**, 157-187.
- Schokker, J., Cleveringa, P., and Murray, A. S. (2004). Palaeoenvironmental reconstruction and OSL dating of terrestrial Eemian deposits in the southeastern Netherlands. *Journal of Quaternary Science* **19**, 193-202.
- Sekkina, M. A., El Fiki, M. A., Nossair, S. A., and Khalil, N. R. (2003). Thermoluminescence archaeological dating of pottery in the Egyptian pyramids zone. *Ceramics-Silikaty* **47**, 94-99.

- Singarayer, J. S., and Bailey, R. M. (2004). Component-resolved bleaching spectra of quartz optically stimulated luminescence: preliminary results and implications for dating. *Radiation Measurements* **38**, 111-118.
- Soliman, C. (2003). Some luminescence properties of the blue emission band of muscovite. *Radiation Effects and Defects in Solids* **158**, 667-673.
- Spencer, J. Q., and Owen, L. A. (2004). Optically stimulated luminescence dating of Late Quaternary glaciogenic sediments in the upper Hunza valley: validating the timing of glaciation and assessing dating methods. *Quaternary Science Reviews* **23**, 175-191.
- Stokes, S., Bailey, R. M., Fedoroff, N., and O'Marah, K. E. (2004). Optical dating of aeolian dynamism on the West African Sahelian margin. *Geomorphology* **59**, 281-291.
- Stone, T., and Cupper, M. L. (2003). Last Glacial Maximum ages for robust humans at Kow Swamp, southern Australia. *Journal of Human Evolution* **45**, 99-111.
- Sullasi, H. S., Andrade, M. B., Ayta, W. E. F., Frade, M., Sastry, M. D., and Watanabe, S. (2004). Irradiation for dating Brazilian fish fossil by thermoluminescence and EPR technique. *Nuclear Instruments and Methods in Physics Research B* **213**, 756-760.
- Teeuw, R. M., and Rhodes, E. J. (2004). Aeolian activity in northern Amazonia: optical dating of Late Pleistocene and Holocene palaeodunes. *Journal of Quaternary Science* **19**, 49-54.
- Truelsen, J. L., and Wallinga, J. (2004). Zeroing of the OSL signal as a function of grain size: investigating bleaching and thermal transfer for a young fluvial sample. *Geochronometria* **22**, 1-8.
- Trukhin, A., and Poumellec, B. (2004). Energy transport in silica to oxygen-deficient luminescence centers: comparison with other luminescence centers in silica and alpha-quartz. *Solid State Communications* **129**, 285-289.
- Ulusoy, U. (2004). ESR dating of North Anatolian (Turkey) and Nojima (Japan) faults. *Quaternary Science Reviews* **23**, 161-174.
- Valladas, H., Mercier, N., Joron, J. L., McPherron, S. P., Dibble, H. L., and Lenoir, M. (2003). TL dates for the Middle Paleolithic site of Combe-Capelle Bas, France. *Journal of Archaeological Science* **30**, 1443-1450.
- Van Peer, P., Fullagar, R., Stokes, S., Bailey, R. M., Moeyersons, J., Steenhoudt, F., Geerts, A., Vanderbeken, T., De Dapper, M., and Geus, F. (2003). The Early to Middle Stone Age transition and the emergence of modern human behaviour at site 8-B-11, Sai Island, Sudan. *Journal of Human Evolution* **45**, 187-193.
- Vandenberghe, D., Kasse, C., Hossain, S. M., de Corte, F., van den Haute, P., Fuchs, M., and Murray, A. S. (2004). Exploring the method of optical dating and comparison of optical and ¹⁴C ages of Late Weichselian coversands in the southern Netherlands. *Journal of Quaternary Science* **19**, 73-86.
- Vyas, P. R., and Joshi, T. R. (2003). Some thermoluminescence properties of synthetic quartz and its potential as high level gamma radiation thermoluminescence dosimeter material. *Indian Journal of Physics and Proceedings of the Indian Association for the Cultivation of Science* **77A**, 285-287.
- Williams, M. A. J., Adamson, D., Prescott, J. R., and Williams, F. M. (2003). New light on the age of the White Nile. *Geology* **31**, 1001-1004.
- Yamaguchi, T., Mitamura, N., Takeuchi, A., and Hashimoto, T. (2003). Changes of luminescence properties dependent on OH-impurities in natural quartz (in Japanese). *Bunseki Kagaku* **52**, 787-793.
- Yordanov, N. D., and Aleksieva, K. (2004). X- and Q-band EPR studies on fine powders of irradiated plants. New approach for detection of their radiation history by using Q-band EPR spectrometry. *Radiation Physics and Chemistry* **69**, 59-64.

Part 3: Papers from Reno LED02 volume of Radiation Measurements in alphabetical order

Andersen, C. E., Bøtter-Jensen, L. and Murray, A. S. (2003). A mini X-ray generator as an alternative to a Sr-90/Y-90 beta source in luminescence dating. *Radiation Measurements* **37**, 557-561.

Auclair, M., Lamothe, M. and Huot, S. (2003). Measurement of anomalous fading for feldspar IRSL using SAR. *Radiation Measurements* **37**, 487-492.

Aznar, M. C., Nathan, R., Murray, A. S. and Bøtter-Jensen, L. (2003). Determination of differential dose rates in a mixed beta and gamma field using shielded Al₂O₃ : C: results of Monte Carlo modelling. *Radiation Measurements* **37**, 329-334.

Bailey, R. M., Singarayer, J. S., Ward, S. and Stokes, S. (2003). Identification of partial resetting using D-e as a function of illumination time. *Radiation Measurements* **37**, 511-518.

Bortolot, V. J. and Bluszcz, A. (2003). Strategies for flexibility in luminescence dating: procedure- oriented measurement and hardware modularity. *Radiation Measurements* **37**, 551-555.

Bøtter-Jensen, L., Andersen, C. E., Duller, G. A. T. and Murray, A. S. (2003). Developments in radiation, stimulation and observation facilities in luminescence measurements. *Radiation Measurements* **37**, 535-541.

Brennan, B. J. (2003). Beta doses to spherical grains. *Radiation Measurements* **37**, 299-303.

Burbidge, C. I. and Duller, G. A. T. (2003). Combined gamma and beta dosimetry, using Al₂O₃ : C, for in situ measurements on a sequence of archaeological deposits. *Radiation Measurements* **37**, 285-291.

Chen, R. and Leung, P. L. (2003). The decay of OSL signals as stretched-exponential functions. *Radiation Measurements* **37**, 519-526.

Chithambo, M. L. (2003). The influence of annealing and partial bleaching on luminescence lifetimes in quartz. *Radiation Measurements* **37**, 467-472.

Duller, G. A. T., Bøtter-Jensen, L. and Murray, A. S. (2003). Combining infrared- and green-laser stimulation sources in single-grain luminescence measurements of feldspar and quartz. *Radiation Measurements* **37**, 543-550.

Erfurt, G. and Krbetschek, M. R. (2003). Studies on the physics of the infrared radioluminescence of potassium feldspar and on the methodology of its application to sediment dating. *Radiation Measurements* **37**, 505-510.

Garcia-Guinea, J., Correcher, V., Delgado, A. and Sanchez-Munoz, L. (2003). Cluster linkages between luminescence emission spectra and continuous trap distribution in a volcanic sanidine. *Radiation Measurements* **37**, 473-477.

Goedicke, C. (2003). Dating historical calcite mortar by blue OSL: results from known age samples. *Radiation Measurements* **37**, 409-415.

Göksu, H. Y., Bailiff, I. K. and Mikhailik, V. B. (2003). New approaches to retrospective dosimetry using cementitious building materials. *Radiation Measurements* **37**, 323-327.

Hashimoto, T., Yamaguchi, T., Fujita, H. and Yanagawa, Y. (2003). Comparison of infrared spectrometric characteristics of Al-OH impurities and thermoluminescence patterns in natural quartz slices at temperatures below 0 degrees C. *Radiation Measurements* **37**, 479-485.

Huot, S. and Lamothe, M. (2003). Variability of infrared stimulated luminescence properties from fractured feldspar grains. *Radiation Measurements* **37**, 499-503.

Jain, M., Murray, A. S. and Bøtter-Jensen, L. (2003). Characterisation of blue-light stimulated luminescence components in different quartz samples: implications for dose measurement. *Radiation Measurements* **37**, 441-449.

- Kalchgruber, R., Fuchs, M., Murray, A. S. and Wagner, G. A. (2003). Evaluating dose-rate distributions in natural sediments using alpha-Al₂O₃ : C grains. *Radiation Measurements* **37**, 293-297.
- Khan, R. F. H., Rink, W. J. and Boreham, D. R. (2003). Dosimetric response evaluation of tooth enamel for accelerator- based neutron radiation. *Radiation Measurements* **37**, 355-363.
- Lamothe, M., Auclair, M., Hamzaoui, C. and Huot, S. (2003). Towards a prediction of long-term anomalous fading of feldspar IRSL. *Radiation Measurements* **37**, 493-498.
- Matsuda, T., Yamanaka, C. and Ikeya, M. (2003). Adsorption of Gd³⁺ into sediments: simulation of actinide adsorption on a clay mineral and hydroxyapatite. *Radiation Measurements* **37**, 371-375.
- McKeever, S. W. S., Banerjee, D., Blair, M., Clifford, S. M., Cloudsley, M. S., Kim, S. S., Lamothe, M., Lepper, K., Leuschen, M., McKeever, K. J., Prather, M., Rowland, A., Reust, D., Sears, D. W. G. and Wilson, J. W. (2003). Concepts and approaches to in situ luminescence dating of martian sediments. *Radiation Measurements* **37**, 527-534.
- Murray, A. S. and Wintle, A. G. (2003). The single aliquot regenerative dose protocol: potential for improvements in reliability. *Radiation Measurements* **37**, 377-381.
- Nakagawa, T. and Hashimoto, T. (2003). Sensitivity change of OSL and RTL signal from natural RTL quartz with annealing treatment. *Radiation Measurements* **37**, 397-400.
- Nathan, R. P., Thomas, P. J., Jain, M., Murray, A. S. and Rhodes, E. J. (2003). Environmental dose rate heterogeneity of beta radiation and its implications for luminescence dating: Monte Carlo modelling and experimental validation. *Radiation Measurements* **37**, 305-313.
- Sato, H., Yamanaka, C. and Ikeya, M. (2003). Basic study on electrically stimulated luminescence (ESL) as a dosimetry and dating method. *Radiation Measurements* **37**, 335-339.
- Sholom, S. V. and Chumak, V. V. (2003). Decomposition of spectra in EPR dosimetry using the matrix method. *Radiation Measurements* **37**, 365-370.
- Singarayer, J. S. and Bailey, R. M. (2003). Further investigations of the quartz optically stimulated luminescence components using linear modulation. *Radiation Measurements* **37**, 451-458.
- Spencer, J. Q., Sanderson, D. C. W., Deckers, K. and Sommerville, A. A. (2003). Assessing mixed dose distributions in young sediments identified using small aliquots and a simple two-step SAR procedure: the F-statistic as a diagnostic tool. *Radiation Measurements* **37**, 425-431.
- Stokes, S. and Fattahi, M. (2003). Red emission luminescence from quartz and feldspar for dating applications: an overview. *Radiation Measurements* **37**, 383-395.
- Thomsen, K. J., Jain, M., Bøtter-Jensen, L., Murray, A. S. and Jungner, H. (2003). Variation with depth of dose distributions in single grains of quartz extracted from an irradiated concrete block. *Radiation Measurements* **37**, 315-321.
- Toyoda, S., Tanizawa, H., Romanyukha, A. A., Miyazawa, C., Hoshi, M., Ueda, Y. and Nitta, Y. (2003). Gamma-ray dose response of ESR signals in tooth enamel of cows and mice in comparison with human teeth. *Radiation Measurements* **37**, 341-346.
- Tsukamoto, S., Rink, W. J. and Watanuki, T. (2003). OSL of tephric loess and volcanic quartz in Japan and an alternative procedure for estimating D-e from a fast OSL component. *Radiation Measurements* **37**, 459-465.
- Vandenbergh, D., Hossain, S. M., De Corte, F. and Van den haute, P. (2003). Investigations on the origin of the equivalent dose distribution in a Dutch coversand. *Radiation Measurements* **37**, 433-439.

Ward, S., Stokes, S., Bailey, R., Singarayer, J., Goudie, A. and Bray, H. (2003). Optical dating of quartz from young samples and the effects of pre-heat temperature. *Radiation Measurements* **37**, 401-407.

Zdravkova, M., Wieser, A., El-Faramawy, N., Ivanov, D., Gallez, B. and Debuyst, R. (2003). An in vitro L-band EPR study with whole human teeth in a surface coil resonator. *Radiation Measurements* **37**, 347-353.

Zhao, H., Li, S. H. and Murray, A. S. (2003). Comparison of SAAD and SAR procedures for equivalent dose determination using quartz. *Radiation Measurements* **37**, 417-424.