

Bibliography

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- Bailey, R. M., and Arnold, L. J. (2006). Statistical modelling of single grain quartz D_e distributions and an assessment of procedures for estimating burial dose. *Quaternary Science Reviews* **25**, 2475-2502.
- Bateman, M. D., and Murton, J. B. (2006). The chronostratigraphy of Late Pleistocene glacial and periglacial aeolian activity in the Tuktoyaktuk Coastlands, NWT, Canada. *Quaternary Science Reviews* **25**, 2552-2568.
- Beerten, K., Lomax, J., Clemer, K., Stesmans, A., and Radtke, U. (2006). On the use of Ti centres for estimating burial ages of Pleistocene sedimentary quartz: Multiple-grain data from Australia. *Quaternary Geochronology* **1**, 151-158.
- Berger, G. W. (2006). Trans-arctic-ocean tests of fine-silt luminescence sediment dating provide a basis for an additional geochronometer for this region. *Quaternary Science Reviews* **25**, 2529-2551.
- Briant, R. M., Bates, M. R., Schwenninger, J. L., and Wenban-Smith, F. (2006). An optically stimulated luminescence dated Middle to Late Pleistocene fluvial sequence from the western Solent Basin, southern England. *Journal of Quaternary Science* **21**, 507-523.
- Bristow, C. S., and Pucillo, K. (2006). Quantifying rates of coastal progradation from sediment volume using GPR and OSL: the Holocene fill of Guichen Bay, south-east South Australia. *Sedimentology* **53**, 769-788.
- Carr, A. S., Thomas, D. S. G., Bateman, M. D., Meadows, M. E., and Chase, B. (2006). Late Quaternary palaeoenvironments of the winter-rainfall zone of southern Africa: Palynological and sedimentological evidence from the Agulhas Plain. *Palaeogeography Palaeoclimatology Palaeoecology* **239**, 147-165.
- Choi, J. H., Murray, A. S., Cheong, C. S., Hong, D. G., and Chang, H. W. (2006). Estimation of equivalent dose using quartz isothermal TL and the SAR procedure. *Quaternary Geochronology* **1**, 101-108.
- Chruscinska, A. (2006). Modelling the optical bleaching of a complex TL signal. *Journal of Physics D-Applied Physics* **39**, 2321-2329.
- Clemmensen, L. B., and Murray, A. (2006). The termination of the last major phase of aeolian sand movement, coastal dunefields, Denmark. *Earth Surface Processes and Landforms* **31**, 795-808.
- Cooper, A. F., and Kostro, F. (2006). A tectonically uplifted marine shoreline deposit, Knights Point, Westland, New Zealand. *New Zealand Journal of Geology and Geophysics* **49**, 203-216.
- Cordier, S., Harmand, D., Frechen, M., and Beiner, M. (2006). Fluvial system response to Middle and Upper Pleistocene climate change in the Meurthe and Moselle valleys (Eastern Paris Basin and Rhenish Massif). *Quaternary Science Reviews* **25**, 1460-1474.
- Correcher, V., Sanchez-Munoz, L., Garcia-Guinea, J., Gomez-Ros, J. M., and Delgado, A. (2006). On the blue thermoluminescence emission of synthetic Li-rich aluminosilicates. *Nuclear Instruments & Methods in Physics Research A* **562**, 456-460.
- Cruz-Zaragoza, E., Furetta, C., Kitis, G., Gomez, B. T., Polymeris, G. S., Tsirliganis, N., and Loukou, Z. (2006). Thermoluminescence characterization of the irradiated minerals extracted from nopal. *Radiation Effects and Defects in Solids* **161**, 267-278.
- Cupper, M. L. (2006). Luminescence and radiocarbon chronologies of playa sedimentation in the Murray Basin, southeastern Australia. *Quaternary Science Reviews* **25**, 2594-2607.

- Dantas, S. C., Valerio, M. E. G., dos Santos, M. A. C., and Souza, D. D. N. (2006). Photoinduced emission and thermoluminescence in topaz. *Nuclear Instruments & Methods in Physics Research Section B* **250**, 386-389.
- De Corte, F., Vandenberghe, D., Buylaert, J. P., Van den haute, P., and Kucera, J. (2006). Relative and k_0 -standardized INAA to assess the internal (Th, U) radiation dose rate in the "quartz coarse-grain protocol" for OSL dating of sediments: Unexpected observations. *Nuclear Instruments and Methods in Physics Research Section A* **564**, 743-751.
- Desprée, J., Gageonnet, R., Voinchet, P., Bahain, J.-J., Falgueres, C., Varache, F., Courcimault, G., and Dolo, J.-M. (2006). Une occupation humaine au Pleistocène inférieur sur la bordure nord du Massif central. *Comptes Rendus Palevol* **5**, 821-828.
- Duller, G. A. T., and Augustinus, P. C. (2006). Reassessment of the record of linear dune activity in Tasmania using optical dating. *Quaternary Science Reviews* **25**, 2608-2618.
- Eiriksson, J., Kristensen, P. H., Lykke-Andersen, H., Brooks, K., Murray, A., Knudsen, K. L., and Glaister, C. (2006). A sedimentary record from a deep Quaternary valley in the southern Lillebaelt area, Denmark: Eemian and Early Weichselian lithology and chronology at Mommark. *Boreas* **35**, 320-331.
- Fattahi, M., Singarayer, J.S., Bailey, R.M. and Stokes, S. (2006). The linearly modulated IRSL red emission from feldspars. *Geochronometria* **25**, 19-28.
- Fattahi, M., Walker, R., Hollingsworth, J., Bahroudi, A., Nazari, H., Talebian, M., Armitage, S., and Stokes, S. (2006). Holocene slip-rate on the Sabzevar thrust fault, NE Iran, determined using optically stimulated luminescence (OSL). *Earth and Planetary Science Letters* **245**, 673-684.
- Favalli, A., Furetta, C., Zaragoza, E. C., and Reyes, A. (2006). Computerized glow curve deconvolution of thermoluminescent emission from polyminerals of Jamaica Mexican flower. *Radiation Effects and Defects in Solids* **161**, 591-602.
- Feathers, J. K., Holliday, V. T., and Meltzer, D. J. (2006). Optically stimulated luminescence dating of Southern High Plains archaeological sites. *Journal of Archaeological Science* **33**, 1651-1665.
- Fedorowicz, S. (2006). TL age of Upper Pleistocene stratified deposits measured using the additive, regeneration and R Gamma methods. *Geological Quarterly* **50**, 211-218.
- Forman, S. L., Spaeth, M., Marin, L., Pierson, J., Gomez, J., Bunch, F., and Valdez, A. (2006). Episodic Late Holocene dune movements on the sand-sheet area, Great Sand Dunes National Park and Preserve, San Luis Valley, Colorado, USA. *Quaternary Research* **66**, 97-108.
- Galli, A., Poldi, G., Martini, M., Sibilina, E., Montanari, C., and Panzeri, L. (2006). Study of blue colour in ancient mosaic tesserae by means of thermoluminescence and reflectance measurements. *Applied Physics* **83**, 675-679.
- Gardner, T. W., Webb, J., Davis, A. G., Cassel, E. J., Pezzia, C., Merritts, D. J., and Smith, B. (2006). Late Pleistocene landscape response to climate change: eolian and alluvial fan deposition, Cape Liptrap, southeastern Australia. *Quaternary Science Reviews* **25**, 1552-1569.
- Göksu, H. Y., Stepanenko, V. F., Bailiff, I. K., and Jungner, H. (2006). Intercomparison of luminescence measurements of bricks from Dolon' village: Experimental methodology and results of European study group. *Journal of Radiation Research* **47**, A29-A37.
- Gong, G., Xia, B., and Liu, S. (2006). Study on feldspar thermoluminescence spectra and its luminescence dating implication. *Nuclear Instruments and Methods in Physics Research, Section B* **251**, 143-147.
- Greenbaum, N., Porat, N., Rhodes, E., and Enzel, Y. (2006). Large floods during late Oxygen Isotope Stage 3, southern Negev desert, Israel. *Quaternary Science Reviews* **25**, 704-719.
- Greilich, S., Harney, H. L., Woda, C., and Wagner, G. A. (2006). AgesGalore--A software program for evaluating spatially resolved luminescence data. *Radiation Measurements* **41**, 726-735.

- Grün, R. (2006). A simple method for the rapid assessment of the qualitative ESR response of fossil samples to laboratory irradiation. *Radiation Measurements* **41**, 682-689.
- Grün, R., Eggins, S., Wells, R. T., Rhodes, E., Bestland, E., Spooner, N., Ayling, M., Forbes, M., and McCulloch, M. (2006). A cautionary tale from down under: Dating the BlackCreek Swamp megafauna site on Kangaroo Island, South Australia. *Quaternary Geochronology* **1**, 142-150.
- Hanson, P. R., Mason, J. A., and Goble, R. J. (2006). Fluvial terrace formation along Wyoming's Laramie Range as a response to increased late Pleistocene flood magnitudes. *Geomorphology* **76**, 12-25.
- Hashimoto, T., Yamaguchi, T., Tajika, Y., Takeuchi, A., and Yawata, T. (2006). Behavior of TL glowcurves for natural quartz samples from liquid-nitrogen temperature up to room temperature. *Radiation Measurements* **41**, 671-676.
- Hawke, R. M., and McConchie, J. A. (2006). Dune phases in the Otaki-Te Horo area (New Zealand): a geomorphic history. *Earth Surface Processes and Landforms* **31**, 633-645.
- Huang, C. C., Pang, J. L., Chen, S. E., Su, H. X., Han, J., Cao, Y. F., Zhao, W. Y., and Tan, Z. H. (2006). Charcoal records of fire history in the Holocene loess-soil sequences over the southern Loess Plateau of China. *Palaeogeography Palaeoclimatology Palaeoecology* **239**, 28-44.
- Huntley, D. J., and Lian, O. B. (2006). Some observations on tunnelling of trapped electrons in feldspars and their implications for optical dating. *Quaternary Science Reviews* **25**, 2503-2512.
- Jacobs, Z., Duller, G. A. T., Wintle, A. G., and Henshilwood, C. S. (2006). Extending the chronology of deposits at Blombos Cave, South Africa, back to 140 ka using optical dating of single and multiple grains of quartz. *Journal of Human Evolution* **51**, 255-273.
- Jacobs, Z., Wintle, A. G., and Duller, G. (2006). Evaluation of SAR procedures for D_e determination using single aliquots of quartz from two archaeological sites in South Africa. *Radiation Measurements* **41**, 520-533.
- Juyal, N., Chamyal, L. S., Bhandari, S., Bhushan, R., and Singhvi, A. K. (2006). Continental record of the southwest monsoon during the last 130 ka: evidence from the southern margin of the Thar Desert, India. *Quaternary Science Reviews* **25**, 2632-2650.
- Kadereit, A., Dehner, U., Hansen, L., Pare, C., and Wagner, G. A. (2006). Geoarchaeological studies of man-environment interaction at the Glauberg, Wetterau, Germany. *Zeitschrift für Geomorphologie* **142**, 109-133.
- Kadereit, A., Sponholz, B., Rösch, M., Schier, W., Kromer, B., and Wagner, G. A. (2006). Chronology of Holocene environmental changes at the tell site of Uivar, Romania, and its significance for late Neolithic tell evolution in the temperate Balkans. *Zeitschrift für Geomorphologie* **142**, 19-45.
- Kaiser, K., Miehe, G., Schoch, W. H., Zander, A., and Schlütz, F. (2006). Relief, soil and lost forests: Late Holocene environmental changes in southern Tibet under human impact. *Zeitschrift für Geomorphologie* **142**, 149-173.
- Kalm, V. (2006). Pleistocene chronostratigraphy in Estonia, southeastern sector of the Scandinavian glaciation. *Quaternary Science Reviews* **25**, 960-975.
- Kemp, R. A., Zarate, M., Toms, P., King, M., Sanabria, J., and Arguello, G. (2006). Late Quaternary paleosols, stratigraphy and landscape evolution in the Northern Pampa, Argentina. *Quaternary Research* **66**, 119-132.
- Kitazawa, T., Nakagawa, T., Hashimoto, T., and Tateishi, M. (2006). Stratigraphy and optically stimulated luminescence (OSL) dating of a Quaternary sequence along the Dong Nai River, southern Vietnam. *Journal of Asian Earth Sciences* **27**, 788-804.
- Krull, E. S., Bestland, E. A., Skjemstad, J. O., and Parr, J. F. (2006). Geochemistry ($\delta^{13}C$, $\delta^{15}N$, $C-13$ NMR) and residence times ($C-14$ and OSL) of soil organic matter from red-brown earths of South Australia: Implications for soil genesis. *Geoderma* **132**, 344-360.

- Lai, Z. P., and Wintle, A. G. (2006). Locating the boundary between the Pleistocene and the Holocene in Chinese loess using luminescence. *The Holocene* **16**, 893-899.
- Lang, A., and Mauz, B. (2006). Towards chronologies of gully formation: optical dating of gully fill sediments from Central Europe. *Quaternary Science Reviews* **25**, 2666-2675.
- Larsen, E., Kjaer, K. H., Jensen, M., Demidov, I. N., Hakansson, L., and Paus, A. (2006). Early Weichselian palaeoenvironments reconstructed from a mega-scale thrust-fault complex, Kanin Peninsula, northwestern Russia. *Boreas* **35**, 476-492.
- Leth, T., Hansen, H. B., and Boisen, F. (2006). Comparison of three methods for detection of herbal food supplement irradiation. *European Food Research and Technology* **223**, 39-43.
- Li, B., and Li, S. H. (2006). Studies of thermal stability of charges associated with thermal transfer of OSL from quartz. *Journal of Physics D-Applied Physics* **39**, 2941-2949.
- Li, B., Li, S.-H., and Wintle, A. G. (2006). Observations of thermal transfer and the slow component of OSL signals from quartz. *Radiation Measurements* **41**, 639-648.
- Li, S. H., and Li, B. (2006). Dose measurement using the fast component of LM-OSL signals from quartz. *Radiation Measurements* **41**, 534-541.
- Li, S. H., and Yin, G. M. (2006). Luminescence properties of biotite relevant to dating and dosimetry. *Journal of Luminescence* **121**, 51-56.
- Lian, O. B., and Roberts, R. G. (2006). Dating the Quaternary: progress in luminescence dating of sediments. *Quaternary Science Reviews* **25**, 2449-2468.
- Lu, H., Stevens, T., Yi, S., and Sun, X. (2006). An erosional hiatus in Chinese loess sequences revealed by closely spaced optical dating. *Chinese Science Bulletin* **51**, 2253-2259.
- Machalett, B., Frechen, M., Hambach, U., Oches, E. A., Zoller, L., and Markovic, S. B. (2006). The loess sequence from Remisowka (northern boundary of the Tien Shan Mountains, Kazakhstan) - Part I: Luminescence dating. *Quaternary International* **152**, 192-201.
- Machtle, B., Eitel, B., Kadereit, A., and Unkel, I. (2006). Holocene environmental changes in the northern Atacama desert, Southern Peru (14°30' S) and their impact on the rise and fall of pre-Columbian cultures. *Zeitschrift für Geomorphologie* **142**, 47-62.
- Mange, M. A., and Otvos, E. G. (2005). Gulf coastal plain evolution in West Louisiana: Heavy mineral provenance and Pleistocene alluvial chronology. *Sedimentary Geology* **182**, 29-57.
- Mathew, G., Singhvi, A. K., and Karanth, R. V. (2006). Luminescence chronometry and geomorphic evidence of active fold growth along the Kachchh Mainland Fault (KMF), Kachchh, India: Seismotectonic implications. *Tectonophysics* **422**, 71-87.
- Millard, A. R. (2006). Bayesian analysis of ESR dates, with application to Border Cave. *Quaternary Geochronology* **1**, 159-166.
- Millard, A. R. (2006). Bayesian analysis of Pleistocene chronometric methods. *Archaeometry* **48**, 359-375.
- Mischke, S., Herzschuh, U., Sun, N. D., Qiao, Z. Z., and Sun, Z. C. (2006). A large Middle Pleistocene freshwater to oligohaline lake in the contemporary hyperarid Qaidam Basin (China). *Episodes* **29**, 34-38.
- Mischke, S., Herzschuh, U., Sun, Z. C., Qiao, Z. Z., Sun, N. D., and Zander, A. M. (2006). Middle Pleistocene Ostracoda from a large freshwater lake in the presently dry Qaidam Basin (NW China). *Journal of Micropalaeontology* **25**, 57-64.

- Molodkov, A., and Bitinas, A. (2006). Sedimentary record and luminescence chronology of the Lateglacial and Holocene aeolian sediments in Lithuania. *Boreas* **35**, 244-254.
- Molodkov, A. N., and Bolikhovskaya, N. S. (2006). Long-term palaeoenvironmental changes recorded in palynologically studied loess-palaeosol and ESR-dated marine deposits of Northern Eurasia: Implications for sea-land correlation. *Quaternary International* **152-153**, 48-58.
- Ogundare, F. O., and Chithambo, M. L. (2006). Two-point method for kinetic analysis of a thermoluminescence glow peak. *Radiation Effects and Defects in Solids* **161**, 289-296.
- Ogundare, F. O., Chithambo, M. L., and Oniya, E. O. (2006). Anomalous behaviour of thermoluminescence from quartz: A case of glow peaks from a Nigerian quartz. *Radiation Measurements* **41**, 549-553.
- Ogundare, F. O., Mokobia, C. E., and Balogun, F. A. (2006). Kinetic study of the thermoluminescence glow curve of natural dolerite. *Radiation Effects and Defects in Solids* **161**, 395-400.
- Olley, J. M., Roberts, R. G., Yoshida, H., and Bowler, J. M. (2006). Single-grain optical dating of grave-infill associated with human burials at Lake Mungo, Australia. *Quaternary Science Reviews* **25**, 2469-2474.
- Owen, L. A., Finkel, R. C., Haizhou, M., and Barnard, P. L. (2006). Late Quaternary landscape evolution in the Kunlun Mountains and Qaidam Basin, Northern Tibet: A framework for examining the links between glaciation, lake level changes and alluvial fan formation. *Quaternary International* **154-155**, 73-86.
- Pant, R. K., Juyal, N., Basavaiah, N., and Singhvi, A. K. (2006). Late Quaternary glaciation and seismicity in the Higher Central Himalaya: Evidence from Shalang basin (Goriganga), Uttaranchal. *Current Science* **90**, 1500-1505.
- Pederson, J. L., Anders, M. D., Rittenour, T. M., Sharp, W. D., Gosse, J. C., and Karlstrom, K. E. (2006). Using fill terraces to understand incision rates and evolution of the Colorado River in eastern Grand Canyon, Arizona. *Journal of Geophysical Research-Earth Surface* **111**.
- Pedroja, K., Ortheb, L., Dumont, J. F., Lamothe, M., Ghaleb, B., Auclair, M., and Labrousse, B. (2006). Quaternary coastal uplift along the Talara Arc (Ecuador, Northern Peru) from new marine terrace data. *Marine Geology* **228**, 73-91.
- Pei, S. W., Zhang, J. F., Gao, X., Zhou, L. P., Feng, X. W., and Chen, F. Y. (2006). Optical dating of the Jingshuiwan Paleolithic site of Three Gorges, China. *Chinese Science Bulletin* **51**, 1334-1342.
- Polymeris, G. S., Kitis, G., Liolios, A. K., Tsirliganis, N. C., and Zioutas, K. (2006). Minerals as Time-Integrating Luminescence Detectors for setting bounds on dark matter particle characteristics. *Nuclear Instruments & Methods in Physics Research Section A* **562**, 207-213.
- Poolton, N. R. J., Mauz, B., Lang, A., Jain, M., and Malins, A. E. R. (2006). Optical excitation processes in the near band-edge region of KAlSi₃O₈ and NaAlSi₃O₈ feldspar. *Radiation Measurements* **41**, 542-548.
- Porat, N., Rosen, S. A., Boaretto, E., and Avni, Y. (2006). Dating the Ramat Saharonim Late Neolithic desert cult site. *Journal of Archaeological Science* **33**, 1341-1355.
- Poreba, G., Moska, P., and Bluszcz, A. (2006). On the contribution of radioactive fallout isotopes to the total dose rate in dating of young sediments. *Geochronometria* **25**, 47-50.
- Prakash, J., Singh, P. K., and Dwivedi, D. K. (2006). Thermally stimulated processes: I-Mechanisms involved in the appearance of a thermoluminescence glow curve. *Indian Journal of Pure & Applied Physics* **44**, 532-536.
- Puchalska, M., and Bilski, P. (2006). GlowFit--a new tool for thermoluminescence glow-curve deconvolution. *Radiation Measurements* **41**, 659-664.
- Quigley, M. C., Cupper, M. L., and Sandiford, M. (2006). Quaternary faults of south-central Australia: palaeoseismicity, slip rates and origin. *Australian Journal of Earth Sciences* **53**, 285-301.

- Ramzaev, V., and Goksu, H. Y. (2006). Cumulative dose assessment using thermoluminescence properties of porcelain isolators as evidence of a severe radiation accident in the Republic of Sakha (Yakutia), Russia, 1978. *Health Physics* **91**, 263-269.
- Rasheedy, M. S., El-Sherif, M. A., and Hefni, M. A. (2006). Applications of the three points analysis method for obtaining the trap parameters and the separation of thermoluminescence glow curve into its components. *Radiation Effects and Defects in Solids* **161**, 579-590.
- Rhodes, E. J., Singarayer, J. S., Raynal, J. P., Westaway, K. E., and Sbihi-Alaoui, F. Z. (2006). New age estimates for the Palaeolithic assemblages and Pleistocene succession of Casablanca, Morocco. *Quaternary Science Reviews* **25**, 2569-2585.
- Robertson, G. B., and Prescott, J. R. (2006). Luminescence dating at the archaeological and human burial site at Roonka, South Australia. *Quaternary Science Reviews* **25**, 2586-2593.
- Robinson, R. A. J., Spencer, J. Q. G., Strecker, M. R., Richter, A., and Alonso, R. N. (2005). Luminescence dating of alluvial fans in intramontane basins of NW Argentina. *Geological Society Special Publication* **251**, 153-168.
- Rodnight, H., Duller, G. A. T., Wintle, A. G., and Tooth, S. (2006). Assessing the reproducibility and accuracy of optical dating of fluvial deposits. *Quaternary Geochronology* **1**, 109-120.
- Sadlo, J., Michalik, J., Stachowicz, W., Strzelczak, G., Dziedzic-Goclawska, A., and Ostrowski, K. (2006). EPR study on biominerals as materials for retrospective dosimetry. *Nukleonika* **51**, S95-S100.
- Sanchez-Munoz, L., Garcia-Guinea, J., Sanz, J., Correcher, V., and Delgado, A. (2006). Ultraviolet luminescence from defect complexes in the twin boundaries of K-feldspar. *Chemistry of Materials* **18**, 3336-3342.
- Soliman, C., and Metwally, S. M. (2006). Thermoluminescence of the green emission band of calcite. *Radiation Effects and Defects in Solids* **161**, 607-613.
- Souza, D. N., de Lima, J. F., Valerio, M. E. G., and Caldas, L. V. E. (2006). Thermally stimulated luminescence and EPR studies on topaz. *Applied Radiation and Isotopes* **64**, 906-909.
- Srivastava, P., Brook, G. A., Marais, E., Morthekai, P., and Singhvi, A. K. (2006). Depositional environment and OSL chronology of the Homeb silt deposits, Kuiseb River, Namibia. *Quaternary Research* **65**, 478-491.
- Stevens, T., Armitage, S. J., Lu, H. Y., and Thomas, D. S. G. (2006). Sedimentation and diagenesis of Chinese loess: implications for the preservation of continuous, high-resolution climate records. *Geology* **34**, 849-852.
- Stone, T. (2006). Last glacial cycle hydrological change at Lake Tyrrell, southeast Australia. *Quaternary Research* **66**, 176-181.
- Stone, T. (2006). The late-Holocene origin of the modern Murray River course, southeastern Australia. *Holocene* **16**, 771-778.
- Telfer, M. W., and Thomas, D. S. G. (2006). Complex Holocene lunette dune development, South Africa: implications for paleoclimate and models of pan development. *Geology* **34**, 853-856.
- Thomas, P. J., Murray, A. S., Kjaer, K. H., Funder, S., and Larsen, E. (2006). Optically Stimulated Luminescence (OSL) dating of glacial sediments from Arctic Russia - depositional bleaching and methodological aspects. *Boreas* **35**, 587-599.
- Turkin, A. A., Vainshtein, D. I., and Den Hartog, H. W. (2006). Modelling of optically stimulated luminescence of zircon: assessment of the suitability for dating. *Journal of Physics D-Applied Physics* **39**, 1367-1377.
- Wang, W. D., Xia, J. D., and Zhou, Z. X. (2006). Thermoluminescence dating of the ancient Chinese porcelain using a regression method of saturation exponential in pre-dose technique. *Science in China Series E-Technological Sciences* **49**, 194-209.

- Wang, X., and Miao, X. (2006). Weathering history indicated by the luminescence emissions in Chinese loess and paleosol. *Quaternary Science Reviews* **25**, 1719-1726.
- Wang, X. L., Lu, Y. C., and Wintle, A. G. (2006). Recuperated OSL dating of fine-grained quartz in Chinese loess. *Quaternary Geochronology* **1**, 89-100.
- Wang, X. L., Wintle, A. G., and Lu, Y. C. (2006). Thermally transferred luminescence in fine-grained quartz from Chinese loess: Basic observations. *Radiation Measurements* **41**, 649-658.
- Westaway, K. E., and Roberts, R. G. (2006). A dual-aliquot regenerative-dose protocol (DAP) for thermoluminescence (TL) dating of quartz sediments using the light-sensitive and isothermally stimulated red emissions. *Quaternary Science Reviews* **25**, 2513-2528.
- Williams, M., Talbot, M., Aharon, P., Abdl Salaam, Y., Williams, F., and Inge Brendeland, K. (2006). Abrupt return of the summer monsoon 15,000 years ago: new supporting evidence from the lower White Nile valley and Lake Albert. *Quaternary Science Reviews* **25**, 2651-2665.
- Williams, M. A. J., Pal, J. N., Jaiswal, M., and Singhvi, A. K. (2006). River response to Quaternary climatic fluctuations: evidence from the Son and Belan valleys, north-central India. *Quaternary Science Reviews* **25**, 2619-2631.
- Xu, Z., Zhang, F. J., Zhao, S. L., Wang, L. W., Georgobiani, A. N., Gutan, V. B., and Meng, L. J. (2006). Simultaneous determination of trap depth and the ratio of the rate of recombination to that of capture from thermoluminescence. *Chinese Physics* **15**, 1883-1887.
- Yang, X. P., Preusser, F., and Radtke, U. (2006). Late Quaternary environmental changes in the Taklamakan Desert, western China, inferred from OSL-dated lacustrine and aeolian deposits. *Quaternary Science Reviews* **25**, 923-932.
- Yazici, A. N., Kurt, K., Kafadar, V. E., Gurler, S., and Topaksu, M. (2006). The analysis of thermoluminescent glow peaks of natural zircon after beta-irradiation. *Nuclear Instruments & Methods in Physics Research Section B* **248**, 133-141.
- Zacharias, N., Michael, C. T., Georgakopolou, M., Kilikoglou, V., and Bassiakos, Y. (2006). Quartz TL dating on selected layers from archaeometallurgical kiln fragments: a proposed procedure to overcome age dispersion. *Geochronometria* **25**, 29-35.
- Zahedifar, M., Karimi, L., and Kavianinia, M. J. (2006). Thermoluminescence general-order glow curve deconvolution function with continuous distribution of activation energies. *Nuclear Instruments & Methods in Physics Research Section A* **564**, 515-520.
- Zhang, H. C., Ming, Q. Z., Lei, G. L., Zhang, W. X., Fan, H. F., Chang, F. Q., Wunnemann, B., and Hartmann, K. (2006). Dilemma of dating on lacustrine deposits in an hyperarid inland basin of NW China. *Radiocarbon* **48**, 219-226.

LED2005 published papers in Radiation Measurements (Aug-Sept 2006)

- Adamiec, G., Bluszcz, A., Bailey, R., and Garcia-Talavera, M. (2006). Finding model parameters: Genetic algorithms and the numerical modelling of quartz luminescence. *Radiation Measurements* **41**, 897-902.
- Ankjaergaard, C., Murray, A. S., Denby, P. M., and Botter-Jensen, L. (2006). Measurement of optically and thermally stimulated electron emission from natural minerals. *Radiation Measurements* **41**, 780-786.
- Bailiff, I. K. (2006). Development of single grain OSL dating of ceramic materials: Spatially resolved measurement of absorbed dose. *Radiation Measurements* **41**, 744-749.
- Baly, L., Quesada, I., Otazo, M. R., Ramos, M., and Gonzalez, Y. (2006). Influence of non-uniformity of the stimulation source on quartz OSL signals. *Radiation Measurements* **41**, 787-789.
- Bassinet, C., Mercier, N., Miallier, D., Pilleyre, T., Sanzelle, S., and Valladas, H. (2006). Thermoluminescence of heated quartz grains: Intercomparisons between SAR and multiple-aliquot additive dose techniques. *Radiation Measurements* **41**, 803-808.
- Bitencourt, J. F. S., Silva, D. M., Silva, P. H., Kinoshita, A., Munita, C. S., and Tatumi, S. H. (2006). Luminescence and ESR properties of Brazilian feldspars. *Radiation Measurements* **41**, 948-953.
- Bluszcz, A., and Adamiec, G. (2006). Application of differential evolution to fitting OSL decay curves. *Radiation Measurements* **41**, 886-891.
- Bos, A. J. J., Wallinga, J., Johns, C., Abellon, R. D., Brouwer, J. C., Schaart, D. R., and Murray, A. S. (2006). Accurate calibration of a laboratory beta particle dose rate for dating purposes. *Radiation Measurements* **41**, 1020-1025.
- Brennan, B. J. (2006). Variation of the alpha dose rate to grains in heterogeneous sediments. *Radiation Measurements* **41**, 1026-1031.
- Chithambo, M. L. (2006). On the correlation between annealing and variabilities in pulsed-luminescence from quartz. *Radiation Measurements* **41**, 862-865.
- Choi, J. H., Duller, G. A. T., Wintle, A. G., and Cheong, C. S. (2006). Luminescence characteristics of quartz from the Southern Kenyan Rift Valley: Dose estimation using LM-OSL SAR. *Radiation Measurements* **41**, 847-854.
- Correcher, V., Garcia-Guinea, J., Castillejo, M., Oujja, M., Rebollar, E., and Lopez-Arce, P. (2006). Laser-induced fluorescence and thermoluminescence response of a Na-Ca rich silicate. *Radiation Measurements* **41**, 971-975.
- Cosma, C., Benea, V., Timar, A., Barbos, D., and Paunoiu, C. (2006). Preliminary dating results for ancient ceramics from Romania by means of thermoluminescence. *Radiation Measurements* **41**, 987-990.
- Denby, P. M., Botter-Jensen, L., Murray, A. S., Thomsen, K. J., and Moska, P. (2006). Application of pulsed OSL to the separation of the luminescence components from a mixed quartz/feldspar sample. *Radiation Measurements* **41**, 774-779.
- Galli, A., Martini, M., Montanari, C., Panzeri, L., and Sibilìa, E. (2006). TL of fine-grain samples from quartz-rich archaeological ceramics: Dosimetry using the 110 and TL peaks. *Radiation Measurements* **41**, 1009-1014.
- Godfrey-Smith, D. I. (2006). Applicability of moissanite, a monocrystalline form of silicon carbide to retrospective and forensic dosimetry. *Radiation Measurements* **41**, 976-981.
- Greilich, S., and Wagner, G. A. (2006). Development of a spatially resolved dating technique using HR-OSL. *Radiation Measurements* **41**, 738-743.
- Guerin, G. (2006). Some aspects of phenomenology and kinetics of high temperature thermoluminescence of plagioclase feldspars. *Radiation Measurements* **41**, 936-941.

- Hashimoto, T., Fujita, H., Sakaue, H., Nakata, Y., and Nomura, S. (2006). Comparison of accumulated doses in quartz and feldspar extracts from atomic bomb-exposed roof tiles using several luminescence methods. *Radiation Measurements* **41**, 1015-1019.
- Huot, S., Buylaert, J. P., and Murray, A. S. (2006). Isothermal thermoluminescence signals from quartz. *Radiation Measurements* **41**, 796-802.
- Ige, O. A., Tubosun, I. A., Ogundare, F. O., Mokobia, C. E., and Balogun, F. A. (2006). TL response of muscovite samples from granite pegmatite of Ilesa and Ijero-Ekiti, Southwestern Nigeria. *Radiation Measurements* **41**, 967-970.
- Jain, M., Andersen, C. E., Botter-Jensen, L., Murray, A. S., Haack, H., and Bridges, J. C. (2006). Luminescence dating on Mars: OSL characteristics of Martian analogue materials and GCR dosimetry. *Radiation Measurements* **41**, 755-761.
- Kalchgruber, R., Blair, M. W., and McKeever, S. W. S. (2006). Dose recovery with plagioclase and pyroxene samples as surrogates for Martian surface sediments. *Radiation Measurements* **41**, 762-767.
- Kitis, G., Pagonis, V., and Chen, R. (2006). Comparison of experimental and modelled quartz thermal-activation curves obtained using multiple- and single-aliquot procedures. *Radiation Measurements* **41**, 910-916.
- Kiyak, N. G., and Canel, T. (2006). Equivalent dose in quartz from young samples using the SAR protocol and the effect of preheat temperature. *Radiation Measurements* **41**, 917-922.
- Klasen, N., Fiebig, M., Preusser, F., and Radtke, U. (2006). Luminescence properties of glaciofluvial sediments from the Bavarian Alpine Foreland. *Radiation Measurements* **41**, 866-870.
- Kristianpoller, N., Weiss, D., and Chen, R. (2006). Effects of photostimulation in natural zircon. *Radiation Measurements* **41**, 961-966.
- Lahaye, C., Godfrey-Smith, D. I., Guibert, P., and Bechtel, F. (2006). Equivalent thermal history (HE) of ferruginous sandstones based on the thermal activation characteristics of quartz. *Radiation Measurements* **41**, 995-1000.
- Lai, Z., and Murray, A. (2006). Red TL of quartz extracted from Chinese loess: Bleachability and saturation dose. *Radiation Measurements* **41**, 836-840.
- Li, B., and Li, S.-H. (2006). Correcting for thermal transfer in OSL measurements of young sediment samples. *Radiation Measurements* **41**, 855-861.
- Lin, M., Yin, G., Ding, Y., Cui, Y., Chen, K., Wu, C., and Xu, L. (2006). Reliability study on ESR dating of the aluminum center in quartz. *Radiation Measurements* **41**, 1045-1049.
- Mayya, Y. S., Morthekai, P., Murari, M. K., and Singhvi, A. K. (2006). Towards quantifying beta microdosimetric effects in single-grain quartz dose distribution. *Radiation Measurements* **41**, 1032-1039.
- McKeever, S. W. S., Kalchgruber, R., Blair, M. W., and Deo, S. (2006). Development of methods for in situ dating of martian sediments. *Radiation Measurements* **41**, 750-754.
- Mebhah, D., Imatoukene, D., Abdelazziz, F. Z., and Lounis-Mokrani, Z. (2006). Evaluation of trap parameters associated with thermoluminescence peaks in fired quartz. *Radiation Measurements* **41**, 813-818.
- Moska, P., and Murray, A. S. (2006). Stability of the quartz fast-component in insensitive samples. *Radiation Measurements* **41**, 878-885.
- Ogundare, F. O., Balogun, F. A., and Hussain, L. A. (2006). Evaluation of kinetic parameters of traps in thermoluminescence phosphors. *Radiation Measurements* **41**, 892-896.

- Pagonis, V., Chen, R., and Lawless, J. L. (2006). Nonmonotonic dose dependence of OSL intensity due to competition during irradiation and readout. *Radiation Measurements* **41**, 903-909.
- Preusser, F., Ramseyer, K., and Schluchter, C. (2006). Characterisation of low OSL intensity quartz from the New Zealand Alps. *Radiation Measurements* **41**, 871-877.
- Richter, D., and Temming, H. (2006). Testing heated flint palaeodose protocols using dose recovery procedures. *Radiation Measurements* **41**, 819-825.
- Roberts, H. M. (2006). Optical dating of coarse-silt sized quartz from loess: Evaluation of equivalent dose determinations and SAR procedural checks. *Radiation Measurements* **41**, 923-929.
- Shimizu, N., Mitamura, N., Takeuchi, A., and Hashimoto, T. (2006). Dependence of radioluminescence on TL-properties in natural quartz. *Radiation Measurements* **41**, 831-835.
- Solongo, S., Wagner, G. A., and Galbaatar, T. (2006). The estimation of D_e using the fast and medium components in fired quartz from archaeological site Karakorum, Mongolia. *Radiation Measurements* **41**, 1001-1008.
- Tajika, Y., and Hashimoto, T. (2006). Correlation of blue-thermoluminescence (BTL) properties with some impurities in synthetic quartz. *Radiation Measurements* **41**, 809-812.
- Takada, M., Tani, A., and Shimada, A. (2006). Preliminary study of the application of natural olivine in Cenozoic dating. *Radiation Measurements* **41**, 982-986.
- Takashi, Y., Tomoyuki, T., and Tetsuo, H. (2006). Dependence of luminescence sensitivities of quartz on [alpha]-[beta] phase inversion break temperatures. *Radiation Measurements* **41**, 841-846.
- Takeuchi, A., Nagahama, H., and Hashimoto, T. (2006). Surface resetting of thermoluminescence in milled quartz grains. *Radiation Measurements* **41**, 826-830.
- Tani, A., Ishikawa, K., and Takeya, K. (2006). Thermal stability of methyl radical in [gamma]-ray irradiated methane hydrate under different pressure from 0.003 to 1 MPa. *Radiation Measurements* **41**, 1040-1044.
- Thomsen, K. J., Botter-Jensen, L., Denby, P. M., Moska, P., and Murray, A. S. (2006). Developments in luminescence measurement techniques. *Radiation Measurements* **41**, 768-773.
- Tribolo, C., and Stokes, S. (2006). Underestimation of SAR equivalent doses for quartz from West Africa: A dose recovery study. *Radiation Measurements* **41**, 930-935.
- Tsirliganis, N., Polymeris, G., Loukou, Z., and Kitis, G. (2006). Anomalous fading of the TL, Blue-SL and IR-SL signals of fluorapatite. *Radiation Measurements* **41**, 954-960.
- Tsukamoto, S., Denby, P. M., Murray, A. S., and Botter-Jensen, L. (2006). Time-resolved luminescence from feldspars: New insight into fading. *Radiation Measurements* **41**, 790-795.
- Vieilleigne, E., Guibert, P., Rita Zuccarello, A., and Bechtel, F. (2006). The potential of optically stimulated luminescence for medieval building; A case study at Termez, Uzbekistan. *Radiation Measurements* **41**, 991-994.
- Visocekas, R., and Guerin, G. (2006). TL dating of feldspars using their far-red emission to deal with anomalous fading. *Radiation Measurements* **41**, 942-947.

Selected papers from 14th International Conference on Solid State Dosimetry held in Yale in 2004

- Ankjaergaard, C., Murray, A. S., and Denby, P. M. (2006). Thermal pre-treatment in the OSL dating of quartz: is it necessary? *Radiation Protection Dosimetry* **119**, 470-473.
- Baffa, O., Kinoshita, A., Figueiredo, A. M. G., Brunetti, A., and Ginesu, S. (2006). ESR dating of an ancient goat tooth from Nuoro, Sardinia, Italy. *Radiation Protection Dosimetry* **119**, 446-449.
- Bernal, R., Souza, D. N., Valerio, M. E. G., Cruz-Vazquez, C., and Barboza-Flores, M. (2006). Optically stimulated luminescence dosimetry performance of natural Brazilian topaz exposed to beta radiation. *Radiation Protection Dosimetry* **119**, 161-163.
- Blair, M. W., Yukihara, E. G., and McKeever, S. W. S. (2006). Progress towards a polymineral single-aliquot OSL dating procedure. *Radiation Protection Dosimetry* **119**, 450-453.
- Blair, M. W., Yukihara, E. G., and McKeever, S. W. S. (2006). A system to irradiate and measure luminescence at low temperatures. *Radiation Protection Dosimetry* **119**, 454-457.
- Buylaert, J. P., Murray, A. S., Huot, S., Vriend, M. G. A., Vandenberghe, D., De Corte, F., and Van den haute, P. (2006). A comparison of quartz OSL and isothermal TL measurements on Chinese loess. *Radiation Protection Dosimetry* **119**, 474-478.
- Chen, R., Lo, D., and Lawless, J. L. (2006). Non-monotonic dose dependence of thermoluminescence. *Radiation Protection Dosimetry* **119**, 33-36.
- Chernov, V., Paz-Moreno, F., PETERS, T. M., and Barboza-Flores, M. (2006). Optical absorption, TL and IRSL of basic plagioclase megacrysts from the pinacate (Sonora, Mexico) quaternary alkalic volcanics. *Radiation Protection Dosimetry* **119**, 233-237.
- Correcher, V., Gomez-Ros, J. M., Garcia-Guinea, J., Martin, P. L., and Delgado, A. (2006). Thermal stability of the thermoluminescence trap structure of bentonite. *Radiation Protection Dosimetry* **119**, 176-179.
- Goksu, H. Y., and Bailiff, I. K. (2006). Luminescence dosimetry using building materials and personal objects. *Radiation Protection Dosimetry* **119**, 413-420.
- Gomez-Ros, J. M., Correcher, V., Garcia-Guinea, J., and Delgado, A. (2006). Evolution of the trapped charge distribution due to trap emptying processes in a natural aluminosilicate. *Radiation Protection Dosimetry* **119**, 93-97.
- Gomez-Ros, J. M., Furetta, C., and Correcher, V. (2006). Simple methods to analyse thermoluminescence glow curves assuming arbitrary recombination-retrapping rates. *Radiation Protection Dosimetry* **119**, 339-343.
- Guzzo, P. L., Khoury, H. J., Souza, C. P., Souza, A. M., Jr., Schwartz, M. O. E., and Azevedo, W. M. (2006). Defect analysis in natural quartz from Brazilian sites for ionising radiation dosimetry. *Radiation Protection Dosimetry* **119**, 168-171.
- Kitis, G., Pagonis, V., Chen, R., and Polymeris, G. (2006). A comprehensive comparative study of the predose effect for three quartz crystals of different origin. *Radiation Protection Dosimetry* **119**, 438-441.
- Kristianpoller, N., Weiss, D., and Chen, R. (2006). Optical and dosimetric properties of zircon. *Radiation Protection Dosimetry* **119**, 267-270.
- Michael, C. T., and Zacharias, N. (2006). Equivalent dose (palaeodose) estimation in thermoluminescence dating using a single aliquot of polymineral fine grains. *Radiation Protection Dosimetry* **119**, 458-461.
- Murray, A. S., and Mohanti, M. (2006). Luminescence dating of the barrier spit at Chilika lake, Orissa, India. *Radiation Protection Dosimetry* **119**, 442-445.

- Murthy, K. V. R., Pallavi, S. P., Rahul, G., Patel, Y. S., Sai Prasad, A. S., and Elangovan, D. (2006). Thermoluminescence dosimetric characteristics of beta irradiated salt. *Radiation Protection Dosimetry* **119**, 350-352.
- Pagonis, V., Chen, R., and Kitis, G. (2006). Theoretical modelling of experimental diagnostic procedures employed during pre-dose dosimetry of quartz. *Radiation Protection Dosimetry* **119**, 111-114.
- Tatumi, S. H., Gozzi, G., Yee, M., de Oliveira, V. I., Sallun, A. E. M., and Suguio, K. (2006). Luminescence dating of Quaternary deposits in geology in Brazil. *Radiation Protection Dosimetry* **119**, 462-469.
- van Dijk, J. W. E. (2006). Thermoluminescence glow curve deconvolution and its statistical analysis using the flexibility of spreadsheet programs. *Radiation Protection Dosimetry* **119**, 332-338.
- Veronese, I., El-Faramawy, N., Giussani, A., Cantone, M. C., Shishkina, E. A., and Goksu, H. Y. (2006). The use of α -Al₂O₃:C in Risø OSL single grains attachment system for assessing the spatial dose rate distribution due to incorporation of ⁹⁰Sr in human teeth. *Radiation Protection Dosimetry* **119**, 408-412.
- Yamamoto, M., and Tsuchiya, N. (2006). Application of TL as a geochemical sensor. *Radiation Protection Dosimetry* **119**, 119-123.