

Bibliography

Compiled by Daniel Richter

From 1st May 2009 to 31st October 2009

- Allard, T., and Calas, G. (2009). Radiation effects on clay mineral properties. *Applied Clay Science* **43**, 143-149.
- Almeida-Filho, R., Rossetti, D. F., Miranda, F. P., Ferreira, F. J., Silva, C., and Beisl, C. (2009). Quaternary reactivation of a basement structure in the Barreirinhas Basin, Brazilian Equatorial Margin. *Quaternary Research* **72**, 103-110.
- Antoine, P., Rousseau, D.-D., Moine, O., Kunesch, S., Hatté, C., Lang, A., Tissoux, H., and Zöller, L. (2009). Rapid and cyclic aeolian deposition during the Last Glacial in European loess: a high-resolution record from Nussloch, Germany. *Quaternary Science Reviews* **28**, 2955-2973.
- Athanassas, C., and Zacharias, N. (2010). Recuperated-OSL dating of quartz from Aegean (South Greece) raised Pleistocene marine sediments: current results. *Quaternary Geochronology* **5**, 65-75.
- Barton, R. N. E., Bouzougar, A., Collcutt, S. N., Schwenninger, J. L., and Clark-Balzan, L. (2009). OSL dating of the Aterian levels at Dar es-Soltan I (Rabat, Morocco) and implications for the dispersal of modern Homo sapiens. *Quaternary Science Reviews* **28**, 1914-1931.
- Bauer, C., Raich, H., Jeschke, G., and Blümlein, P. (2009). Design of a permanent magnet with a mechanical sweep suitable for variable-temperature continuous-wave and pulsed EPR spectroscopy. *Journal of Magnetic Resonance* **198**, 222-227.
- Berger, G. W. (2009). Zeroing tests of luminescence sediment dating in the Arctic Ocean: Review and new results from Alaska-margin core tops and central-ocean dirty sea ice. *Global And Planetary Change* **68**, 48-57.
- Berger, G. W., Ante, S., and Domack, E. W. (2009). Seasonal and water-depth variations in sediment luminescence and in sedimentation from sediment trap samples at Gerlache Strait, Antarctic Peninsula. *Antarctic Science* **21**, 483-499.
- Berger, G. W., Post, S., and Wenker, C. (2009). Single and multigrain quartz-luminescence dating of irrigation-channel features in Santa Fe, New Mexico. *Geoarchaeology* **24**, 383-401.
- Boguckyj, A. B., Lanczont, M., Lacka, B., Madeyska, T., and Sytnyk, O. (2009). Age and the palaeoenvironment of the West Ukrainian palaeolithic: the case of Velykyi Glybochok multi-cultural site. *Journal of Archaeological Science* **36**, 1376-1389.
- Bokhorst, M. P., Beets, C. J., Markovic, S. B., Gerasimenko, N. P., Matviishina, Z. N., and Frechen, M. (2009). Pedo-chemical climate proxies in Late Pleistocene Serbian-Ukrainian loess sequences. *Quaternary International* **198**, 113-123.
- Braillard, L., and Guelat, M. (2008). Une nappe alluviale étagée du pléistocène supérieur dans la vallée de Delémont (Jura suisse): lithostratigraphie et datation. *Quaternaire* **19**, 217-228.
- Brown, K. S., Marean, C. W., Herries, A. I. R., Jacobs, Z., Tribolo, C., Braun, D., Roberts, D. L., Meyer, M. C., and Bernatchez, J. (2009). Fire As an Engineering Tool of Early Modern Humans. *Science* **325**, 859-862.
- Buckman, S., Brownlie, K. C., Bourman, R. P., Murray-Wallace, C. V., Morris, R. H., Lachlan, T. J., Roberts, R. G., Arnold, L. J., and Cann, J. H. (2009). Holocene palaeofire records in a high-level, proximal valley-fill (Wilson Bog), Mount Lofty Ranges, South Australia. *The Holocene* **19**, 1017-1029.

- Burrough, S. L., Thomas, D. S. G., and Bailey, R. M. (2009). Mega-Lake in the Kalahari: A Late Pleistocene record of the Palaeolake Makgadikgadi system. *Quaternary Science Reviews* **28**, 1392-1411.
- Busschers, F. S., van Balen, R. T., Cohen, K. M., Kasse, C., Weerts, H. J. T., Wallinga, J., and Bunnik, F. P. M. (2008). Response of the Rhine-Meuse fluvial system to Saalian ice-sheet dynamics. *Boreas* **37**, 377-398.
- Cano, N. F., Arizaca, E. C., Yauri, J. M., Arenas, J. S. A., and Watanabe, S. (2009). Dating archeological ceramics from the Valley of Vitor, Arequipa by the TL method. *Radiation Effects and Defects in Solids* **164**, 572 - 577.
- Chen, R., Pagonis, V., and Lawless, J. L. (2009). A new look at the linear-modulated optically stimulated luminescence (LM-OSL) as a tool for dating and dosimetry. *Radiation Measurements* **44**, 344-350.
- Chruscinska, A. (2009). Modelling the thermal bleaching of OSL signal in the case of a competition between recombination centres. *Radiation Measurements* **44**, 329-337.
- Cordier, S., Frechen, M., and Harmand, D. (2009). The Pleistocene fluvial deposits of the Moselle and middle Rhine valleys: new correlations and compared evolutions. *Quaternaire* **20**, 35-47.
- Costantini, E. A. C., Priori, S., Urban, B., Hilgers, A., Sauer, D., Protano, G., Trombino, L., Hülle, D., and Nannoni, F. (2009). Multidisciplinary characterization of the middle Holocene eolian deposits of the Elsa River basin (central Italy). *Quaternary International* **209**, 107-130.
- Darrénougué, N., De Deckker, P., Fitzsimmons, K. E., Norman, M. D., Reed, L., van der Kaars, S., and Fallon, S. (2009). A late Pleistocene record of aeolian sedimentation in Blanche Cave, Naracoorte, South Australia. *Quaternary Science Reviews* **28**, 2600-2615.
- Derese, C., Vandenberghe, D., Paulissen, E., and Van den haute, P. (2009). Revisiting a type locality for Late Glacial aeolian sand deposition in NW Europe: Optical dating of the dune complex at Opgrimbie (NE Belgium). *Geomorphology* **109**, 27-35.
- Despriée, J., Voinchet, P., Gageonnet, R., Dépont, J., Bahain, J.-J., Falguères, C., Tissoux, H., Dolo, J.-M., and Courcimault, G. (2009). Les vagues de peuplements humains au Pléistocène inférieur et moyen dans le bassin de la Loire moyenne, région Centre, France. Apports de l'étude des formations fluviatiles. *L'Anthropologie* **113**, 125-167.
- Erginal, A. E., Kiyak, N. G., and Ozcan, H. (2009). Optically stimulated luminescence to date coastal dunes and a possible tsunami layer on the Kavak Delta (Saros Gulf, NW Turkey). *Turkish Journal of Earth Sciences* **18**, 465-474.
- Farias, T. M. B., Gennari, R. F., Chubaci, J. F. D., and Watanabe, S. (2009). FTIR spectra and TL properties of quartz annealed at high temperatures. *Physics Procedia* **2**, 493-496.
- Farias, T. M. B., Gennari, R. F., Etchevarne, C., and Watanabe, S. (2009). Thermoluminescence dating of Brazilian indigenous ceramics. *Radiat Prot Dosimetry* **136**, 45-49.
- Farias, T. M. B., Watanabe, S., and Gundu Rao, T. K. (2009). Defect centre responsible for production of 110° C TL peak in quartz. *Solid State Communications* **149**, 1173-1175.
- Fitzsimmons, K. E., Magee, J. W., and Amos, K. J. (2009). Characterisation of aeolian sediments from the Strzelecki and Tirari Deserts, Australia: Implications for reconstructing palaeoenvironmental conditions. *Sedimentary Geology* **218**, 61-73.

- Fitzsimmons, K. E., and Telfer, M. W. (2008). Sedimentary history and the interpretation of late Quaternary dune records:: Examples from the Tirari desert, Australia and the Kalahari, South Africa. *Chungara-Revista De Antropología Chilena* **40**, 295-308.
- Fornós, J. J., Clemmensen, L. B., Gómez-Pujol, L., and Murray, A. S. (2009). Late Pleistocene carbonate aeolianites on Mallorca, Western Mediterranean: a luminescence chronology. *Quaternary Science Reviews* **28**, 2697-2709.
- Frechen, M., Seifert, B., Sanabria, J. A., and Argüello, G. L. (2009). Chronology of late Pleistocene Pampa loess from the Córdoba area in Argentina. *Journal of Quaternary Science* **24**, 761-772.
- Fuchs, M., and Lang, A. (2009). Luminescence dating of hillslope deposits-A review. *Geomorphology* **109**, 17-26.
- Garcia, A. F., and Mahan, S. A. (2009). Sediment storage and transport in Pancho Rico Valley during and after the Pleistocene-Holocene transition, Coast Ranges of central California (Monterey County). *Earth Surface Processes and Landforms* **34**, 1136-1150.
- Gartia, R. K. (2009). Paleothermometry of NaCl as evidenced from thermoluminescence data. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms* **267**, 2903-2907.
- Gemmell, A. M. D., and Spötl, C. (2009). Attempts to date the Höttling Breccia near Innsbruck (Austria), a classical Quaternary site in the Alps, by optically-stimulated luminescence. *Austrian Journal of Earth Sciences* **102**, 50-61.
- Greilich, S., and Wagner, G. A. (2009). Light Thrown on History – The Dating of Stone Surfaces at the Geoglyphs of Palpa Using Optically Stimulated Luminescence. In "New Technologies for Archaeology." (M. Reindel, and G. A. Wagner, Eds.), pp. 271-283. Springer, Berlin.
- Haberzettl, T., Anselmetti, F. S., Bowen, S. W., Fey, M., Mayr, C., Zolitschka, B., Ariztegui, D., Mauz, B., Ohlendorf, C., Kastner, S., Lücke, A., Schäbitz, F., and Wille, M. (2009). Late Pleistocene dust deposition in the Patagonian steppe - extending and refining the paleoenvironmental and tephrochronological record from Laguna Potrok Aike back to 55 ka. *Quaternary Science Reviews* **28**, 2927-2939.
- Hülle, D., Hilgers, A., Kühn, P., and Radtke, U. (2009). The potential of optically stimulated luminescence for dating periglacial slope deposits -- A case study from the Taunus area, Germany. *Geomorphology* **109**, 66-78.
- Jaek, I., Molodkov, A., and Vasilchenko, V. (2008). Instability of luminescence responses in feldspar-and quartz-based paleo-dosimeters. *Journal of Applied Spectroscopy* **75**, 820-825.
- Jensen, M. A., Demidov, I. N., Larsen, E., and Lyså, A. (2009). Quaternary palaeoenvironments and multi-storey valley fill architecture along the Mezen and Severnaya Dvina river valleys, Arkhangelsk region, NW Russia. *Quaternary Science Reviews* **28**, 2489-2506.
- Jiang, H. C., Wang, P., Thompson, J., Ding, Z. L., and Lu, Y. C. (2009). Last glacial climate instability documented by coarse-grained sediments within the loess sequence, at Fanjiaping, Lanzhou, China. *Quaternary Research* **72**, 91-102.
- Kadereit, A., Greilich, S., Woda, C., and Wagner, G. A. (2009). Cold Light from the Sediments of a Hot Desert: How Luminescence Dating Sheds Light on the Landscape Development of the Northeastern Atacama. In "New Technologies for Archaeology." (M. Reindel, and G. A. Wagner, Eds.), pp. 245-270. Springer, Berlin.
- Kaiser, K., Hilgers, A., Schlaak, N., Jankowski, M., Kühn, P., Bussemer, S., and Przegietka, K. (2009). Palaeopedological marker horizons in northern central Europe: characteristics of Lateglacial Usselo and Finow soils. *Boreas* **38**, 591-609.

Kaiser, K., Lai, Z. P., Schneider, B., Schoch, W. H., Shen, X. H., Miehe, G., and Brückner, H. (2009). Sediment sequences and paleosols in the Kyichu Valley, southern Tibet (China), indicating Late Quaternary environmental changes. *Island Arc* **18**, 404-427.

Kitis, G., Kiyak, N., Polymeris, G. S., and Tsirliganis, N. C. (2010). The correlation of fast OSL component with the TL peak at in quartz of various origins. *Journal of Luminescence* **130**, 298-303.

Kock, S., Huggenberger, P., Preusser, F., Rentzel, P., and Wetzel, A. (2009). Formation and evolution of the Lower Terrace of the Rhine River in the area of Basel. *Swiss Journal of Geosciences* **102**, 307-321.

Kock, S., Kramers, J. D., Preusser, F., and Wetzel, A. (2009). Dating of Late Pleistocene terrace deposits of the River Rhine using Uranium series and luminescence methods: Potential and limitations. *Quaternary Geochronology* **4**, 363-373.

Lai, Z., Kaiser, K., and Brückner, H. (2009). Luminescence-dated aeolian deposits of late Quaternary age in the southern Tibetan Plateau and their implications for landscape history. *Quaternary Research* **72**, 421-430.

Lair, G. J., Zehetner, F., Hrachowitz, M., Franz, N., Maringer, F.-J., and Gerzabek, M. H. (2009). Dating of soil layers in a young floodplain using iron oxide crystallinity. *Quaternary Geochronology* **4**, 260-266.

Le Dortz, K., Meyer, B., Sebrier, M., Nazari, H., Braucher, R., Fattah, M., Benedetti, L., Foroutan, M., Siame, L., Bourles, D., Talebian, M., Bateman, M. D., and Ghoraishi, M. (2009). Holocene right-slip rate determined by cosmogenic and OSL dating on the Anar fault, Central Iran. *Geophysical Journal International* **179**, 700-710.

Lepper, K. (2009). The effect of evaporated salt solutions on the optical dating properties of JSC Mars-1: "seasoning" for a Mars soil simulant. *Astrobiology* **9**, 531-534.

Liu, H., Kishimoto, S., Takagawa, T., Shirai, M., and Sato, S. (2009). Investigation of the sediment movement along the Tenryu-Enshunada fluvial system based on feldspar thermoluminescence properties. *Journal of Coastal Research* **25**, 1096-1105.

Madsen, A. T., Duller, G. A. T., Donnelly, J. P., Roberts, H. M., and Wintle, A. G. (2009). A chronology of hurricane landfalls at Little Sippewissett Marsh, Massachusetts, USA, using optical dating. *Geomorphology* **109**, 36-45.

Madsen, A. T., and Murray, A. S. (2009). Optically stimulated luminescence dating of young sediments: A review. *Geomorphology* **109**, 3-16.

Marchal, F., Monchot, H., Coussot, C., Desclaux, E., Deschamp, P., Thiébaut, C., Bahain, J.-J., Falguères, C., and Dolo, J.-M. (2009). Neandertals paleoenvironment in Western Provence: The contribution of Les Auzières 2 (Méthamis, Vaucluse, France). *Comptes Rendus Palevol* **8**, 493-502.

Markovic, S. B., Hambach, U., Catto, N., Jovanovic, M., Buggle, B., Machalett, B., Zöller, L., Glaser, B., and Frechen, M. (2009). Middle and Late Pleistocene loess sequences at Batajnica, Vojvodina, Serbia. *Quaternary International* **198**, 255-266.

Mason, J. A., Lu, H., Zhou, Y., Miao, X., Swinehart, J. B., Liu, Z., Goble, R. J., and Yi, S. (2009). Dune mobility and aridity at the desert margin of northern China at a time of peak monsoon strength. *Geology* **37**, 947-950.

Mauz, B., Elmejdoub, N., Nathan, R., and Jedoui, Y. (2009). Last interglacial coastal environments in the Mediterranean-Saharan transition zone. *Palaeogeography, Palaeoclimatology, Palaeoecology* **279**, 137-146.

- Mebhah, D., Imatoukene, D., Lounis-Mokrani, Z., and Kechouane, M. (2009). Comparative study on the effect of annealing treatments on RTL mechanism in natural quartz from different origins. *Journal of Luminescence* **129**, 1615-1618.
- Mercader, J., Asmerom, Y., Bennett, T., Raja, M., and Skinner, A. (2009). Initial excavation and dating of Ngalue Cave: A Middle Stone Age site along the Niassa Rift, Mozambique. *Journal of Human Evolution* **57**, 63-74.
- Molodkov, A., and Bolikhovskaya, N. (2009). Climate change dynamics in Northern Eurasia over the last 200 ka: Evidence from mollusc-based ESR-chronostratigraphy and vegetation successions of the loess-palaeosol records. *Quaternary International* **201**, 67-76.
- Murray-Wallace, C. V., Bourman, R. P., Prescott, J. R., Williams, F., Price, D. M., and Belperio, A. P. (2010). Aminostratigraphy and thermoluminescence dating of coastal aeolianites and the later Quaternary history of a failed delta: The River Murray mouth region, South Australia. *Quaternary Geochronology* **5**, 28-49.
- Nissen, E., Walker, R. T., Bayasgalan, A., Carter, A., Fattahi, M., Molor, E., Schnabel, C., West, A. J., and Xu, S. (2009). The late Quaternary slip-rate of the Har-Us-Nuur fault (Mongolian Altai) from cosmogenic ^{10}Be and luminescence dating. *Earth And Planetary Science Letters* **286**, 467-478.
- Nott, J., Smithers, S., Walsh, K., and Rhodes, E. (2009). Sand beach ridges record 6000 year history of extreme tropical cyclone activity in northeastern Australia. *Quaternary Science Reviews* **28**, 1511-1520.
- Owen, L. A., Robinson, R., Benn, D. I., Finkel, R. C., Davis, N. K., Yi, C., Putkonen, J., Li, D., and Murray, A. S. (2009). Quaternary glaciation of Mount Everest. *Quaternary Science Reviews* **28**, 1412-1433.
- Pagonis, V., Ankjærgaard, C., Murray, A. S., and Chen, R. (2009). Optically stimulated exoelectron emission processes in quartz: comparison of experiment and theory. *Journal of Luminescence* **129**, 1003-1009.
- Pan, Y. M., and Hu, B. Q. (2009). Radiation-induced defects in quartz. IV. Thermal properties and implications. *Physics and Chemistry of Minerals* **36**, 421-430.
- Pietsch, T. J. (2009). Optically stimulated luminescence dating of young (<500 years old) sediments: Testing estimates of burial dose. *Quaternary Geochronology* **4**, 406-422.
- Polat, M., and Korkmaz, M. (2009). The effects of temperature on ESR spectrum of gamma-irradiated ammonium tartrate. *Radiation Physics and Chemistry* **78**, 966-970.
- Porat, N., Chazan, M., Grün, R., Aubert, M., Eisenmann, V., and Horwitz, L. K. (2010). New radiometric ages for the Fauresmith industry from Kathu Pan, southern Africa: Implications for the Earlier to Middle Stone Age transition. *Journal of Archaeological Science* **37**, 269-283.
- Ramasamy, V., Ponnusamy, V., Gomathi, S. S., and Jose, M. T. (2009). Thermostimulated luminescence characteristics of dolomitic rocks and their use as a gamma ray dosimeter. *Radiation Measurements* **44**, 351-358.
- Ramsthaler, F., Kreutz, K., Zipp, K., and Verhoff, M. A. (2009). Dating skeletal remains with luminol-chemiluminescence. Validity, intra- and interobserver error. *Forensic Science International* **187**, 47-50.
- Ranjbar, A. H., Aliabadi, R., Amraei, R., Tabasi, M., and Mirjalily, G. (2009). ESR response of bulk samples of clear fused quartz (CFQ) material to high doses from 10 MeV electrons: Its possible application for radiation processing and medical sterilization. *Applied Radiation and Isotopes* **67**, 1023-1026.
- Rey, L., Gartia, R. K., Bishal Singh, K., and Basanta Singh, T. (2009). Thermoluminescence of ice and its implications. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms* **267**, 3633-3639.

Roberts, R. G., Westaway, K. E., Zhao, J. x., Turney, C. S. M., Bird, M. I., Rink, W. J., and Fifield, L. K. (2009). Geochronology of cave deposits at Liang Bua and of adjacent river terraces in the Wae Racang valley, western Flores, Indonesia: a synthesis of age estimates for the type locality of *Homo floresiensis*. *Journal of Human Evolution* **57**, 484-502.

Roberts, S. J., Hodgson, D. A., Bentley, M. J., Sanderson, D. C. W., Milne, G., Smith, J. A., Verleyen, E., and Balbo, A. (2009). Holocene relative sea-level change and deglaciation on Alexander Island, Antarctic Peninsula, from elevated lake deltas. *Geomorphology* **112**, 122-134.

Rudko, V. V., Vorona, I. P., Baran, N. R., and Ishchenko, S. S. (2009). Thermally stimulated transformation of the EPR spectra in gamma-irradiated bone tissue. *Radiation Measurements* **44**, 239-242.

Santoro, E., Mazzella, M. E., Ferranti, L., Randisi, A., Napolitano, E., Rittner, S., and Radtke, U. (2009). Raised coastal terraces along the Ionian Sea coast of northern Calabria, Italy, suggest space and time variability of tectonic uplift rates. *Quaternary International* **206**, 78-101.

Schultze, C. A., Stanish, C., Scott, D. A., Rehren, T., Kuehner, S., and Feathers, J. K. (2009). Direct evidence of 1,900 years of indigenous silver production in the Lake Titicaca Basin of Southern Peru. *Proceedings of the National Academy of Sciences* **106**, 17280-17283.

Schwanghart, W., Frechen, M., Kuhn, N. J., and Schütt, B. (2009). Holocene environmental changes in the Ugii Nuur basin, Mongolia. *Palaeogeography, Palaeoclimatology, Palaeoecology* **279**, 160-171.

Sinha, R., Kettanah, Y., Gibling, M. R., Tandon, S. K., Jain, M., Bhattacharjee, P. S., Dasgupta, A. S., and Ghazanfari, P. (2009). Craton-derived alluvium as a major sediment source in the Himalayan Foreland Basin of India. *Geological Society of America Bulletin* **121**, 1596-1610.

Stefanaki, E. C., Afouxenidis, D., Polymeris, G. S., Sakalis, A., Tsirliganis, N. C., and Kitis, G. (2009). Optically Stimulated Luminescence properties of natural Schist. *Mediterranean Archaeology & Archaeometry* **9**, 1-16.

Steffen, D., Preusser, F., and Schlunegger, F. (2009). OSL quartz age underestimation due to unstable signal components. *Quaternary Geochronology* **4**, 353-362.

Steffen, D., Schlunegger, F., and Preusser, F. (2009). Drainage basin response to climate change in the Pisco valley, Peru. *Geology* **37**, 491-494.

Thomas, P. J. (2009). Luminescence dating of beachrock in the southeast coast of India - potential for Holocene shoreline reconstruction. *Journal of Coastal Research* **25**, 1-7.

Thrasher, I. M., Mauz, B., Chiverrell, R. C., Lang, A., and Thomas, G. S. P. (2009). Testing an approach to OSL dating of Late Devensian glaciofluvial sediments of the British Isles. *Journal of Quaternary Science* **24**, 785-801.

Titschack, J., Radtke, U., and Freiwald, A. (2009). Dating and characterization of polymorphic transformation of aragonite to calcite in Pleistocene bivalves from Rhodes (Greece) by combined shell microstructure, stable isotope, and Electron Spin Resonance study. *Journal of Sedimentary Research* **79**, 332-346.

Vermesch, P. (2009). RadialPlotter: A Java application for fission track, luminescence and other radial plots. *Radiation Measurements* **44**, 409-410.

von Suchodoletz, H., Kühn, P., Hambach, U., Dietze, M., Zöller, L., and Faust, D. (2009). Loess-like and palaeosol sediments from Lanzarote (Canary Islands/Spain) - Indicators of palaeoenvironmental change during the Late Quaternary. *Palaeogeography, Palaeoclimatology, Palaeoecology* **278**, 71-87.

- Wang, W. D. (2009). Study and progress of the thermoluminescence dating of the ancient pottery and porcelain. *Science in China Series E-Technological Sciences* **52**, 1613-1640.
- Wolfe, S. A., and Hugenholtz, C. H. (2009). Barchan dunes stabilized under recent climate warming on the northern Great Plains. *Geology* **37**, 1039-1042.
- Wolfe, S. A., Walker, I. J., and Huntley, D. J. (2008). Holocene coastal reconstruction, Naikoon peninsula, Queen Charlotte Islands, British Columbia. Current Research, Geological Survey of Canada, Report-No: 2008-12
- Wysota, W., Molewski, P., and Sokolowski, R. J. (2009). Record of the Vistula ice lobe advances in the Late Weichselian glacial sequence in north-central Poland. *Quaternary International* **207**, 26-41.
- Xu, L., and Zhou, S. (2009). Quaternary glaciations recorded by glacial and fluvial landforms in the Shaluli Mountains, Southeastern Tibetan Plateau. *Geomorphology* **103**, 268-275.
- Xu, X., Yang, J., Dong, G., Wang, L., and Miller, L. (2009). OSL dating of glacier extent during the Last Glacial and the Kanas Lake basin formation in Kanas River valley, Altai Mountains, China. *Geomorphology* **112**, 306-317.
- Yuan, Q. D., Zhang, Z. C., Wu, C. D., and Guo, Z. J. (2009). Age and Provenance of Loess deposits on the Northern Flank of Tianshan Mountain. *Acta Geologica Sinica-English Edition* **83**, 648-654.
- Zacharias, N., Bassiakos, Y., Hayden, B., Theodorakopoulou, K., and Michael, C. T. (2009). Luminescence dating of deltaic deposits from eastern Crete, Greece: Geoarchaeological implications. *Geomorphology* **109**, 46-53.
- Zembo, I., Panzeri, L., Galli, A., Bersezio, R., Martini, M., and Sibilia, E. (2009). Quaternary evolution of the intermontane Val d'Agri Basin, Southern Apennines. *Quaternary Research* **72**, 431-442.
- Zhang, J.-F., Qiu, W.-L., Li, R.-Q., and Zhou, L.-P. (2009). The evolution of a terrace sequence along the Yellow River (HuangHe) in Hequ, Shanxi, China, as inferred from optical dating. *Geomorphology* **109**, 54-65.

Papers from the Beijing LED08 conference published in Volume 44/5-6 of Radiation Measurements

- Ankjærgaard, C., Jain, M., Kalchgruber, R., Lapp, T., Klein, D., McKeever, S. W. S., Murray, A. S., and Morthekai, P. (2009). Further investigations into pulsed optically stimulated luminescence from feldspars using blue and green light. *Radiation Measurements* **44**, 576-581.
- Beerten, K., Woda, C., and Vanhavere, F. (2009). Thermoluminescence dosimetry of electronic components from personal objects. *Radiation Measurements* **44**, 620-625.
- Biswas, R. H., Murari, M. K., and Singhvi, A. K. (2009). Dose-dependent change in the optically stimulated luminescence decay of $\text{Al}_2\text{O}_3:\text{C}$. *Radiation Measurements* **44**, 543-547.
- Bos, A. J. J., and Wallinga, J. (2009). Analysis of the quartz OSL decay curve by differentiation. *Radiation Measurements* **44**, 588-593.
- Burbidge, C. I., Dias, M. I., Prudêncio, M. I., Rebêlo, L. P., Cardoso, G., and Brito, P. (2009). Internal α activity: localisation, compositional associations and effects on OSL signals in quartz approaching β saturation. *Radiation Measurements* **44**, 494-500.

Buylaert, J. P., Murray, A. S., Thomsen, K. J., and Jain, M. (2009). Testing the potential of an elevated temperature IRSL signal from K-feldspar. *Radiation Measurements* **44**, 560-565.

Chauhan, N., Anand, S., Palani Selvam, T., Mayya, Y. S., and Singhvi, A. K. (2009). Extending the maximum age achievable in the luminescence dating of sediments using large quartz grains: A feasibility study. *Radiation Measurements* **44**, 629-633.

Chen, S., Liu, X., Zhang, C., and Tang, Q. (2009). The Monte Carlo simulation of the absorbed dose in quartz. *Radiation Measurements* **44**, 626-628.

Chithambo, M. L., and Ogundare, F. O. (2009). Luminescence lifetime components in quartz: Influence of irradiation and annealing. *Radiation Measurements* **44**, 453-457.

Choi, J. H., Murray, A. S., Cheong, C. S., and Hong, S. C. (2009). The dependence of dose recovery experiments on the bleaching of natural quartz OSL using different light sources. *Radiation Measurements* **44**, 600-605.

Cunningham, A. C., and Wallinga, J. (2009). Optically stimulated luminescence dating of young quartz using the fast component. *Radiation Measurements* **44**, 423-428.

Duller, G. A. T., Penkman, K. E. H., and Wintle, A. G. (2009). Assessing the potential for using biogenic calcites as dosimeters for luminescence dating. *Radiation Measurements* **44**, 429-433.

Duval, M., Grün, R., Falguères, C., Bahain, J. J., and Dolo, J. M. (2009). ESR dating of Lower Pleistocene fossil teeth: Limits of the single saturating exponential (SSE) function for the equivalent dose determination. *Radiation Measurements* **44**, 477-482.

Fan, A., Li, S.-H., and Li, B. (2009). Characteristics of quartz infrared stimulated luminescence (IRSL) at elevated temperatures. *Radiation Measurements* **44**, 434-438.

Ganzawa, Y., and Maeda, M. (2009). 390-410 °C isothermal red thermoluminescence (IRTL) dating of volcanic quartz using the SAR method. *Radiation Measurements* **44**, 517-522.

Gao, L., Yin, G.-M., Liu, C.-R., Bahain, J.-J., Lin, M., and Li, J.-P. (2009). Natural sunlight bleaching of the ESR titanium center in quartz. *Radiation Measurements* **44**, 501-504.

Grün, R. (2009). The relevance of parametric U-uptake models in ESR age calculations. *Radiation Measurements* **44**, 472-476.

Guibert, P., Bailiff, I. K., Blain, S., Gueli, A. M., Martini, M., Sibilia, E., Stella, G., and Troja, S. O. (2009). Luminescence dating of architectural ceramics from an early medieval abbey: The St Philbert Intercomparison (Loire Atlantique, France). *Radiation Measurements* **44**, 488-493.

Jain, M. (2009). Extending the dose range: Probing deep traps in quartz with 3.06 eV photons. *Radiation Measurements* **44**, 445-452.

Jaiswal, M. K., Bhat, M. I., Bali, B. S., Ahmad, S., and Chen, Y. G. (2009). Luminescence characteristics of quartz and feldspar from tectonically uplifted terraces in Kashmir Basin, Jammu and Kashmir, India. *Radiation Measurements* **44**, 523-528.

Joannes-Boyau, R., and Grün, R. (2009). Thermal behavior of orientated and non-orientated CO₂- radicals in tooth enamel. *Radiation Measurements* **44**, 505-511.

- Kars, R. H., and Wallinga, J. (2009). IRSL dating of K-feldspars: Modelling natural dose response curves to deal with anomalous fading and trap competition. *Radiation Measurements* **44**, 594-599.
- Lapp, T., Jain, M., Ankjærgaard, C., and Pirtzel, L. (2009). Development of pulsed stimulation and Photon Timer attachments to the Risø TL/OSL reader. *Radiation Measurements* **44**, 571-575.
- Larsen, A., Greilich, S., Jain, M., and Murray, A. S. (2009). Developing a numerical simulation for fading in feldspar. *Radiation Measurements* **44**, 467-471.
- Lawless, J. L., Chen, R., and Pagonis, V. (2009). Sublinear dose dependence of thermoluminescence and optically stimulated luminescence prior to the approach to saturation level. *Radiation Measurements* **44**, 606-610.
- Martini, M., Fasoli, M., and Galli, A. (2009). Quartz OSL emission spectra and the role of $[AlO_4]^{\circ}$ recombination centres. *Radiation Measurements* **44**, 458-461.
- Murray, A. S., Buylaert, J. P., Thomsen, K. J., and Jain, M. (2009). The effect of preheating on the IRSL signal from feldspar. *Radiation Measurements* **44**, 554-559.
- Nian, X. M., Zhou, L. P., and Qin, J. T. (2009). Comparisons of equivalent dose values obtained with different protocols using a lacustrine sediment sample from Xuchang, China. *Radiation Measurements* **44**, 512-516.
- Pagonis, V., Wintle, A. G., Chen, R., and Wang, X. L. (2009). Simulations of thermally transferred OSL experiments and of the ReSAR dating protocol for quartz. *Radiation Measurements* **44**, 634-638.
- Porat, N., Duller, G. A. T., Roberts, H. M., and Wintle, A. G. (2009). A simplified SAR protocol for TT-OSL. *Radiation Measurements* **44**, 538-542.
- Qin, J. T., and Zhou, L. P. (2009). Stepped-irradiation SAR: A viable approach to circumvent OSL equivalent dose underestimation in last glacial loess of northwestern China. *Radiation Measurements* **44**, 417-422.
- Roberts, H. M., Durcan, J. A., and Duller, G. A. T. (2009). Exploring procedures for the rapid assessment of optically stimulated luminescence range-finder ages. *Radiation Measurements* **44**, 582-587.
- Selo, M., Valladas, H., Mercier, N., Joron, J. L., Bassinot, F., Person, A., and Nouet, J. (2009). Investigations of uranium distribution in flints. *Radiation Measurements* **44**, 615-619.
- Shen, Z., and Mauz, B. (2009). D_e determination of quartz samples showing falling $D_e(t)$ plots. *Radiation Measurements* **44**, 566-570.
- Song, K.-W., Yun, K.-K., and Hong, D.-G. (2009). Radiation response of thermoluminescence glow peaks separated using a glow curve fitting method for red emission from quartz. *Radiation Measurements* **44**, 611-614.
- Stevens, T., Buylaert, J. P., and Murray, A. S. (2009). Towards development of a broadly-applicable SAR TT-OSL dating protocol for quartz. *Radiation Measurements* **44**, 639-645.
- Tan, K., Liu, Z., Zeng, S., Liu, Y., Xie, Y., and Rieser, U. (2009). Three-dimensional thermoluminescence spectra of different origin quartz from Altay Orogenic belt, Xinjiang, China. *Radiation Measurements* **44**, 529-533.
- Toyoda, S., Miura, H., and Tissoux, H. (2009). Signal regeneration in ESR dating of tephra with quartz. *Radiation Measurements* **44**, 483-487.
- Vandenbergh, D. A. G., Jain, M., and Murray, A. S. (2009). Equivalent dose determination using a quartz isothermal TL signal. *Radiation Measurements* **44**, 439-444.

Westaway, K. E. (2009). The red, white and blue of quartz luminescence: A comparison of D_e values derived for sediments from Australia and Indonesia using thermoluminescence and optically stimulated luminescence emissions. *Radiation Measurements* **44**, 462-466.

Woda, C., and Spötl, T. (2009). On the use of OSL of wire-bond chip card modules for retrospective and accident dosimetry. *Radiation Measurements* **44**, 548-553.

Zheng, C. X., Zhou, L. P., and Qin, J. T. (2009). Difference in luminescence sensitivity of coarse-grained quartz from deserts of northern China. *Radiation Measurements* **44**, 534-537.