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Bibliography

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- Aagaard, T., Orford, J., and Murray, A. S. (2007). Environmental controls on coastal dune formation; Skallingen Spit, Denmark. *Geomorphology* **83**, 29-47.
- Alexanderson, H. (2007). Residual OSL signals from modern Greenlandic river sediments. *Geochronometria* **26**, 1-9.
- Amit, R., Lekach, J., Ayalon, A., Porat, N., and Grodek, T. (2007). New insight into pedogenic processes in extremely arid environments and their paleoclimatic implications-the Negev Desert, Israel. *Quaternary International* **162-163**, 61-75.
- Anikovich, M. V., Sinitsyn, A. A., Hoffecker, J. F., Holliday, V. T., Popov, V. V., Lisitsyn, S. N., Forman, S. L., Levkovskaya, G. M., Pospelova, G. A., Kuz'mina, I. E., Burova, N. D., Goldberg, P., Macphail, R. I., Giaccio, B., and Praslov, N. D. (2007). Early Upper Paleolithic in Eastern Europe and implications for the dispersal of modern humans. *Science* **315**, 223-226.
- Ankjaergaard, C., and Murray, A. S. (2007). Total beta and gamma dose rates in trapped charge dating based on beta counting. *Radiation Measurements* **42**, 352-359.
- Armitage, S. J., Botha, G. A., Duller, G. A. T., Wintle, A. G., Rebelo, L. P., and Momade, F. J. (2006). The formation and evolution of the barrier islands of Inhaca and Bazaruto, Mozambique. *Geomorphology* **82**, 295-308.
- Avni, Y., Porat, N., Plakht, J., and Avni, G. (2006). Geomorphic changes leading to natural desertification versus anthropogenic land conservation in an arid environment, the Negev Highlands, Israel. *Geomorphology* **82**, 177-200.
- Ballarini, M., Wallinga, J., Wintle, A. G., and Bos, A. J. J. (2007). A modified SAR protocol for optical dating of individual grains from young quartz samples. *Radiation Measurements* **42**, 360-369.
- Bateman, M. D., Boulter, C. H., Carr, A. S., Frederick, C. D., Peter, D., and Wilder, M. (2007). Preserving the palaeoenvironmental record in Drylands: Bioturbation and its significance for luminescence-derived chronologies. *Sedimentary Geology* **195**, 5-19.
- Beveridge, C., Kocurek, G., Ewing, R. C., Lancaster, N., Morthekai, P., Singhvi, A. K., and Mahan, S. A. (2006). Development of spatially diverse and complex dune-field patterns: Gran Desierto Dune Field, Sonora, Mexico. *Sedimentology* **53**, 1391-1409.
- Blair, M. W., Kalchgruber, R., and McKeever, S. W. S. (2007). Developing luminescence dating for extraterrestrial applications: Characterization of martian simulants and minerals. *Radiation Measurements* **42**, 392-399.
- Botha, G., and Porat, N. (2007). Soil chronosequence development in dunes on the southeast African coastal plain, Maputaland, South Africa. *Quaternary International* **162-163**, 111-132.
- Bristow, C. S., Duller, G. A. T., and Lancaster, N. (2007). Age and dynamics of linear dunes in the Namib Desert. *Geology* **35**, 555-558.
- Buynevich, I. V., FitzGerald, D. M., and Goble, R. J. (2007). A 1500 yr record of North Atlantic storm activity based on optically dated relict beach scarps. *Geology* **35**, 543-546.
- Chandra, S., Rhodes, E., and Richards, K. (2007). Luminescence dating of late Quaternary fluvial sediments in the Rapti Basin, north-central Gangetic plains. *Quaternary International* **159**, 47-56.

Chase, B. M., and Thomas, D. S. G. (2006). Late Quaternary dune accumulation along the western margin of South Africa: distinguishing forcing mechanisms through the analysis of migratory dune forms. *Earth and Planetary Science Letters* **251**, 318-333.

Chase, B. M., and Thomas, D. S. G. (2007). Multiphase late Quaternary aeolian sediment accumulation in western South Africa: Timing and relationship to palaeoclimatic changes inferred from the marine record. *Quaternary International* **166**, 29-41.

Chase, P. G., Debenath, A., Dibble, H. L., McPherron, S. P., Schwarcz, H. P., Stafford, J. T. W., and Tournepiche, J.-F. (2007). New dates for the Fontechevade (Charente, France) Homo remains. *Journal of Human Evolution* **52**, 217-221.

Chithambo, M. L. (2007). The analysis of time-resolved optically stimulated luminescence: I. Theoretical considerations. *Journal of Physics D-Applied Physics* **40**, 1874-1879.

Chithambo, M. L. (2007). The analysis of time-resolved optically stimulated luminescence: II. Computer simulations and experimental results. *Journal of Physics D-Applied Physics* **40**, 1880-1889.

Chithambo, M. L., Preusser, F., Ramseier, K., and Ogundare, F. O. (2007). Time-resolved luminescence of low sensitivity quartz from crystalline rocks. *Radiation Measurements* **42**, 205-212.

Clarke, M. L., Milodowski, A. E., Bouch, J. E., Leng, M. J., and Northmore, K. J. (2007). New OSL dating of UK loess: indications of two phases of Late Glacial dust accretion in SE England and climate implications. *Journal of Quaternary Science* **22**, 361-371.

Clemmensen, L. B., Pedersen, K., Murray, A., and Heinemeier, J. (2006). A 7000-year record of coastal evolution, Vejers, SW Jutland, Denmark. *Bulletin of the Geological Society of Denmark* **53**, 1-22.

Cox, R. T., Cherryhomes, J., Harris, J. B., Larsen, D., Van Arsdale, R. B., and Forman, S. L. (2006). Paleoseismology of the southeastern Reelfoot Rift in western Tennessee and implications for intraplate fault zone evolution. *Tectonics* **25**, TC3019.

Cupper, M. L., and Duncan, J. (2006). Last glacial megafaunal death assemblage and early human occupation at Lake Menindee, southeastern Australia. *Quaternary Research* **66**, 332-341.

Davidson, A. T., Valberg, L., Townsend, P. D., Kozakiewicz, A. G., Derry, T. E., Comins, J. D., and Suszynska, M. (2006). The effect of impurities on TL emission wavelengths of NaCl crystals. *Nuclear Instruments and Methods in Physics Research Section B*: **250**, 354-358.

De Carvalho, G. S., Granja, H. M., Loureiro, E., and Henriques, R. (2006). Late Pleistocene and Holocene environmental changes in the coastal zone of northwestern Portugal. *Journal of Quaternary Science* **21**, 859-877.

De Corte, F., Vandenberghe, D., Hossain, S. M., De Wispelaere, A., Buylaert, J. P., and Van den Haute, P. (2007). Preparation and characterization of loess sediment for use as a reference material in the annual radiation dose determination for luminescence dating. *Journal of Radioanalytical and Nuclear Chemistry* **272**, 311-319.

DeLong, S. B., Pelletier, J. D., and Arnold, L. (2007). Bedrock landscape development modeling: Calibration using field study, geochronology, and digital elevation model analysis. *Geological Society of America Bulletin* **119**, 157-173.

Dobosz, B., and Krzysiniowski, R. (2007). Characteristic of paramagnetic centres in burnt clay and pottery by the EPR method. *Radiation Measurements* **42**, 213-219.

D'Oca, M. C., Bartolotta, A., Cammilleri, M. C., Brai, M., Marrale, M., Triolo, A., and Parlato, A. (2007). Qualitative and quantitative thermoluminescence analysis on irradiated oregano. *Food Control* **18**, 996-1001.

Duller, G. A. T. (2006). Comment on "Human footprints in Central Mexico older than 40,000 years" by S. Gonzalez, D. Huddart, M.R. Bennett and A. Gonzalez-Huesca. *Quaternary Science Reviews* **25**, 3074-3076.

- Duller, G. A. T. (2006). Single grain optical dating of glaciogenic deposits. *Quaternary Geochronology* **1**, 296-304.
- Engin, B. (2007). Thermoluminescence parameters and kinetics of irradiated inorganic dust collected from black peppers. *Food Control* **18**, 243-250.
- Eriksson, M. G., Olley, J. M., Kilham, D. R., Pietsch, T., and Wasson, R. J. (2006). Aggradation and incision since the very late Pleistocene in the Naas River, south-eastern Australia. *Geomorphology* **81**, 66-88.
- Fattahi, M., Walker, R. T., Khatib, M. M., Dolati, A., and Bahroudi, A. (2007). Slip-rate estimate and past earthquakes on the Doruneh fault, eastern Iran. *Geophysical Journal International* **168**, 691-709.
- Feathers, J. K., Rhodes, E. J., Huot, S., and McAvoy, J. M. (2006). Luminescence dating of sand deposits related to late Pleistocene human occupation at the Cactus Hill Site, Virginia, USA. *Quaternary Geochronology* **1**, 167-187.
- Forman, S. L., Pierson, J., Gomez, J., Brigham-Grette, J., Nowaczyk, N. R., and Melles, M. (2007). Luminescence geochronology for sediments from Lake El'gygytyn, northeast Siberia, Russia: constraining the timing of paleoenvironmental events for the past 200 ka. *Journal of Paleolimnology* **37**, 77-88.
- French, H. M., Demitroff, M., Forman, S. L., and Newell, W. L. (2007). A chronology of Late-Pleistocene permafrost events in southern New Jersey, eastern USA. *Permafrost and Periglacial Processes* **18**, 49-59.
- Friis, H., Finch, A. A., Townsend, P. D., Hole, D. E., and El Mkami, H. (2007). Ionoluminescence of leucophanite. *American Mineralogist* **92**, 254-260.
- Fuchs, M. (2007). An assessment of human versus climatic impacts on Holocene soil erosion in NE Peloponnese, Greece. *Quaternary Research* **67**, 349-356.
- Fujita, H., and Hashimoto, T. (2007). Effects of annealing temperatures on some radiation-induced phenomena in natural quartz. *Radiation Measurements* **42**, 156-162.
- Giannini, P. C. F., Sawakulchi, A. O., Martinho, C. T., and Tatum, S. H. (2007). Eolian depositional episodes controlled by Late Quaternary relative sea level changes on the Imbituba-Laguna coast (southern Brazil). *Marine Geology* **237**, 143-168.
- Giosan, L., Donnelly, J. P., Constantinescu, S., Filip, F., Ovejanu, I., Vespremeanu-Stroe, A., Vespremeanu, E., and Duller, G. A. T. (2006). Young Danube delta documents stable Black Sea level since the middle Holocene. Morphodynamic, paleogeographic, and archaeological implications. *Geology* **34**, 757-760.
- 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.
- Gomez-Ros, J. M., Furetta, C., Cruz-Zaragoza, E., Lis, M., Torres, A., and Monsivais, G. (2006). Dose dependence and thermal stability of the thermoluminescence emission in inorganic dust from mint and camomile. *Nuclear Instruments & Methods in Physics Research A* **566**, 727-732.
- Grine, F. E., Bailey, R. M., Harvati, K., Nathan, R. P., Morris, A. G., Henderson, G. M., Ribot, I., and Pike, A. W. G. (2007). Late Pleistocene human skull from Hofmeyr, South Africa, and modern human origins. *Science* **315**, 226-229.
- Grün, R. (2006). Direct dating of human fossils. *Yearbook of Physical Anthropology* **49**, 2-48.
- Guerin, G., and Gillot, P. Y. (2007). New elements of chronology of 'Bas Vivarais' Pleistocene volcanism (Ardeche, France) by thermoluminescence dating. *Comptes Rendus Geoscience* **339**, 40-49.
- Hall, A. M., Hansom, J. D., Williams, D. M., and Jarvis, J. (2006). Distribution, geomorphology and lithofacies of cliff-top storm deposits: Examples from the high-energy coasts of Scotland and Ireland. *Marine Geology* **232**, 131-155.

- Hashimoto, T., Yanagawa, Y., and Yawata, T. (2007). Blue and red thermoluminescence of natural quartz in the temperature region from -196 to 400°C. *Radiation Measurements* **42**, 341-346.
- Holbrook, J., Autin, W. J., Rittenour, T. M., Marshak, S., and Goble, R. J. (2006). Stratigraphic evidence for millennial-scale temporal clustering of earthquakes on a continental-interior fault: Holocene Mississippi River floodplain deposits, New Madrid seismic zone, USA. *Tectonophysics* **420**, 431-454.
- Hollands, C. B., Nanson, G. C., Jones, B. G., Bristow, C. S., Price, D. M., and Pietsch, T. J. (2006). Aeolian-fluvial interaction: evidence for Late Quaternary channel change and wind-rift linear dune formation in the northwestern Simpson Desert, Australia. *Quaternary Science Reviews* **25**, 142-162.
- Holliday, V. T., Hoffecker, J. F., Goldberg, P., Macphail, R. I., Forman, S. L., Anikovich, M., and Sinitsyn, A. (2007). Geoarchaeology of the Kostenki-Borshchevo sites, Don River Valley. *Geoarchaeology* **22**, 181-228.
- Holliday, V. T., Huckell, B. B., Mayer, J. H., Forman, S. L., and McFadden, L. D. (2006). Geoarchaeology of the Boca Negra Wash area, Albuquerque Basin, New Mexico, USA. *Geoarchaeology* **21**, 765-802.
- Holliday, V. T., Kring, D. A., Mayer, J. H., and Goble, R. J. (2005). Age and effects of the Odessa meteorite impact, western Texas, USA. *Geology* **33**, 945-948.
- Huang, C. C., Jia, Y. F., Pang, J. L., Zha, X. C., and Su, H. X. (2006). Holocene colluviation and its implications for tracing human-induced soil erosion and redeposition on the piedmont loess lands of the Qinling Mountains, northern China. *Geoderma* **136**, 838-851.
- Huntley, D. J., Baril, M. R., and Haidar, S. (2007). Tunnelling in plagioclase feldspars. *Journal of Physics D-Applied Physics* **40**, 900-906.
- Ivannikov, A., Zhumadilov, K., Tieliewuhan, E., Jiao, L., Zharlyganova, D., Apsalikov, K. N., Berekenova, G., Zhumadilov, Z., Toyoda, S., Miyazawa, C., Skvortsov, V., Stepanenko, V., Endo, S., Tanaka, K., and Hoshi, M. (2006). Results of EPR dosimetry for population in the vicinity of the most contaminating radioactive fallout trace after the first nuclear test in the Semipalatinsk test site. *Journal of Radiation Research* **47**, A39-A46.
- Jain, M., Bøtter-Jensen, L., and Thomsen, K. J. (2007). High local ionization density effects in x-ray excitations deduced from optical stimulation of trapped charge in Al₂O₃:C. *Journal of Physics: Condensed Matter* **19**, doi:10.1088/0953-8984/19/11/116201.
- Kaiser, K., Barthetmes, A., Pap, S. C., Hilgers, A., Janke, W., Kuhn, P., and Theuerkauf, M. (2006). A Lateglacial palaeosol cover in the Altdarss area, southern Baltic Sea coast (northeast Germany): investigations on pedology, geochronology and botany. *Netherlands Journal of Geosciences-Geologie En Mijnbouw* **85**, 197-220.
- Kindermann, K., Bubenzer, O., Nussbaum, S., Riemer, H., Darius, F., Pollath, N., and Smettan, U. (2006). Palaeoenvironment and Holocene land use of Djara, western desert of Egypt. *Quaternary Science Reviews* **25**, 1619-1637.
- Kitis, G., Polymeris, G. S., Pagonis, V., and Tsirliganis, N. C. (2006). Thermoluminescence response and apparent anomalous fading factor of Durango fluorapatite as a function of the heating rate. *Physica Status Solidi a* **203**, 3816-3823.
- Kiyak, N. G., Polymeris, G. S., and Kitis, G. (2007). Component resolved OSL dose response and sensitization of various sedimentary quartz samples. *Radiation Measurements* **42**, 144-155.
- Kjaer, K. H., Lagerlund, E., Adrielsson, L., Thomas, P. J., Murray, A., and Sandgren, P. (2006). The first independent chronology for Middle and Late Weichselian sediments from southern Sweden and the Island of Bornholm. *Gff* **128**, 209-220.
- Klasen, N., Fiebig, M., Preusser, F., Reitner, J. M., and Radtke, U. (2007). Luminescence dating of proglacial sediments from the Eastern Alps. *Quaternary International* **164-165**, 21-32.

- Kocurek, G., Carr, M., Ewing, R., Havholm, K. G., Nagar, Y. C., and Singhvi, A. K. (2007). White Sands Dune Field, New Mexico: Age, dune dynamics and recent accumulations. *Sedimentary Geology* **197**, 313-331.
- Kumar, R., Suresh, N., Sangode, S. J., and Kumaravel, V. (2007). Evolution of the Quaternary alluvial fan system in the Himalayan foreland basin: Implications for tectonic and climatic decoupling. *Quaternary International* **159**, 6-20.
- Lai, Z., Wintle, A. G., and Thomas, D. S. G. (2007). Rates of dust deposition between 50 ka and 20 ka revealed by OSL dating at Yuanbao on the Chinese Loess Plateau. *Palaeogeography, Palaeoclimatology, Palaeoecology* **248**, 431-439.
- Liu, G., Zhang, X., Cui, Z., Wu, Y., and Ju, Y. (2006). A review of glacial sequences of the Kunlun Pass, northern Tibetan Plateau. *Quaternary International* **154-155**, 63-72.
- Lu, Y. C., Wang, X. L., and Wintle, A. G. (2007). A new OSL chronology for dust accumulation in the last 130,000 yr for the Chinese Loess Plateau. *Quaternary Research* **67**, 152-160.
- Mahan, S. A., Miller, D. M., Menges, C. M., and Yount, J. C. (2007). Late Quaternary stratigraphy and luminescence geochronology of the northeastern Mojave Desert. *Quaternary International* **166**, 61-78.
- Maroulis, J. C., Nanson, G. C., Price, D. M., and Pietsch, T. (2007). Aeolian-fluvial interaction and climate change: source-bordering dune development over the past ~100 ka on Cooper Creek, central Australia. *Quaternary Science Reviews* **26**, 386-404.
- Mauz, B., and Bungenstock, F. (2007). How to reconstruct trends of late Holocene relative sea level: A new approach using tidal flat clastic sediments and optical dating. *Marine Geology* **237**, 225-237.
- Meltzner, A. J., Rockwell, T. K., and Owen, L. A. (2006). Recent and long-term behavior of the Brawley fault zone, Imperial Valley, California: An escalation in slip rate? *Bulletin of the Seismological Society of America* **96**, 2304-2328.
- Mercier, N., Valladas, H., Froget, L., Joron, J. L., Reyss, J. L., Weiner, S., Goldberg, P., Meignen, L., Bar-Yosef, O., Belfer-Cohen, A., Chech, M., Kuhn, S. L., Stiner, M. C., Tillier, A. M., Arensburg, B., and Vandermeersch, B. (2007). Hayonim Cave: a TL-based chronology for this Levantine Mousterian sequence. *Journal of Archaeological Science* **34**, 1064-1077.
- Miallier, D., Sanzelle, S., Pilleyre, T., and Bassinet, C. (2006). Residual thermoluminescence for sun-bleached quartz: Dependence on pre-exposure radiation dose. *Quaternary Geochronology* **1**, 313-319.
- Miao, X., Mason, J. A., Johnson, W. C., and Wang, H. (2007). High-resolution proxy record of Holocene climate from a loess section in Southwestern Nebraska, USA. *Palaeogeography, Palaeoclimatology, Palaeoecology* **245**, 368-381.
- Miao, X. D., Mason, J. A., Swinehart, J. B., Loope, D. B., Hanson, P. R., Goble, R. J., and Liu, X. D. (2007). A 10,000 year record of dune activity, dust storms, and severe drought in the central Great Plains. *Geology* **35**, 119-122.
- Molodkov, A., Jack, I., and Vasilchenko, V. (2007). Anomalous fading of IR-stimulated luminescence from feldspar minerals: some results of the study. *Geochronometria* **26**, 11-17.
- Murari, M. K., Achyuthan, H., and Singhvi, A. K. (2007). Luminescence studies on the sediments laid down by the December 2004 tsunami event: Prospects for the dating of palaeo tsunamis and for the estimation of sediment fluxes. *Current Science* **92**, 367-371.
- Nakata, Y., Tamaki, M., and Hashimoto, T. (2007). Red-thermoluminescence dating using quartz grains extracted from a roof-tile of an old Japanese temple. *Journal of Radioanalytical and Nuclear Chemistry* **272**, 433-438.

- Navarro-Gonzalez, R., Mahan, S. A., Singhvi, A. K., Navarro-Aceves, R., Rajot, J. L., McKay, C. P., Coll, P., and Raulin, F. (2007). Paleoecology reconstruction from trapped gases in a fulgurite from the late Pleistocene of the Libyan Desert. *Geology* **35**, 171-174.
- Newnham, R. M., Vandergoes, M. J., Hendy, C. H., Lowe, D. J., and Preusser, F. (2007). A terrestrial palynological record for the last two glacial cycles from southwestern New Zealand. *Quaternary Science Reviews* **26**, 517-535.
- Nielsen, A., Murray, A. S., Pejrup, M., and Elberling, B. (2006). Optically stimulated luminescence dating of a Holocene beach ridge plain in Northern Jutland, Denmark. *Quaternary Geochronology* **1**, 305-312.
- Ninagawa, K., Imae, N., Kojima, H., Yanai, K., and Jull, A. J. T. (2006). Thermoluminescence study in the Japanese Antarctic meteorites collection: Asuka ordinary chondrites. *Meteoritics & Planetary Science* **41**, A132-A132.
- Ogundare, F., and Chithambo, M. L. (2007). Thermoluminescence kinetic analysis of quartz with a glow peak that shifts in an unusual manner with irradiation dose. *Journal of Physics D: Applied Physics* **40**, 247-253.
- Ormo, J., Koeberl, C., Rossi, A. P., and Komatsu, G. (2006). Geological and geochemical data from the proposed Sirente crater field: New age dating and evidence for heating of target. *Meteoritics & Planetary Science* **41**, 1331-1345.
- Owen, L. A., Bright, J., Finkel, R. C., Jaiswal, M. K., Kaufman, D. S., Mahan, S., Radtke, U., Schneider, J. S., Sharp, W., Singhvi, A. K., and Warren, C. N. (2007). Numerical dating of a Late Quaternary spit-shoreline complex at the northern end of Silver Lake playa, Mojave Desert, California: A comparison of the applicability of radiocarbon, luminescence, terrestrial cosmogenic nuclide, electron spin resonance, U-series and amino acid racemization methods. *Quaternary International* **166**, 87-110.
- Pagonis, V., Chen, R., and Wintle, A. G. (2007). Modelling thermal transfer in optically stimulated luminescence of quartz. *Journal of Physics D-Applied Physics* **40**, 998-1006.
- Pan, B. T., Gao, H. S., Wu, G. J., Li, J. J., Li, B. Y., and Ye, Y. G. (2007). Dating of erosion surface and terraces in the eastern Qilian Shan, northwest China. *Earth Surface Processes and Landforms* **32**, 143-154.
- Pedroja, K., Dumont, J. F., Lamothe, M., Ortlieb, L., Collot, J. Y., Ghaleb, B., Auclair, M., Alvarez, V., and Labrousse, B. (2006). Plio-Quaternary uplift of the Manta Peninsula and La Plata Island and the subduction of the Carnegie Ridge, central coast of Ecuador. *Journal of South American Earth Sciences* **22**, 1-21.
- Preusser, F., Blei, A., Graf, H. R., and Schlüchter, C. (2007). Luminescence dating of Würmian (Weichselian) proglacial sediments from Switzerland: methodological aspects and stratigraphical conclusions. *Boreas*, 130-142.
- Preusser, F., and Degering, D. (2007). Luminescence dating of the Niederweningen mammoth site, Switzerland. *Quaternary International* **164-165**, 106-112.
- Prideaux, G. J., Long, J. A., Ayliffe, L. K., Hellstrom, J. C., Pillans, B., Boles, W. E., Hutchinson, M. N., Roberts, R. G., Cupper, M. L., Arnold, L. J., Devine, P. D., and Warburton, N. M. (2007). An arid-adapted middle Pleistocene vertebrate fauna from south-central Australia. *Nature* **445**, 422-425.
- Prideaux, G. J., Roberts, R. G., Megirian, D., Westaway, K. E., Hellstrom, J. C., and Olley, J. M. (2007). Mammalian responses to Pleistocene climate change in southeastern Australia. *Geology* **35**, 33-36.
- Rasheedy, M. S., and Abd-Elmageed, A. I. (2007). The validity of the two heating rates method to obtain the trapping parameters from general-order thermoluminescence glow peaks. *Journal of Physics and Chemistry of Solids* **68**, 243-248.
- Reinhardt, E. G., Goodman, B. N., Boyce, J. I., Lopez, G., van Hengsturn, P., Rink, W. J., Mart, Y., and Raban, A. (2006). The tsunami of 13 December A.D. 115 and the destruction of Herod the Great's harbor at Caesarea Maritima, Israel. *Geology* **34**, 1061-1064.
- Rhodes, E. J. (2007). Quartz single grain OSL sensitivity distributions: implications for multiple grain single aliquot dating. *Geochronometria* **26**, 19-29.

- Richter, D., and Krbetschek, M. (2006). A new thermoluminescence dating technique for heated flint. *Archaeometry* **48**, 695-705.
- Richter, D., Mercier, N., Valladas, H., Jaubert, J., Texier, P. J., Brugal, J. P., Kervazo, B., Reyss, J. L., Joron, J. L., and Wagner, G. A. (2007). Thermoluminescence dating of heated flint from the Mousterian site of Berigoule, Murs, Vaucluse, France. *Journal of Archaeological Science* **34**, 532-539.
- Rigaud, J.-P., Texier, P.-J., Parkington, J., and Poggenpoel, C. (2006). Le mobilier Stillbay et Howiesons Poort de l'abri Diepkloof. La chronologie du Middle Stone Age sud-africain et ses implications. *Comptes Rendus Palevol* **5**, 839-849.
- Rittenour, T. M., Blum, M. D., and Goble, R. J. (2007). Fluvial evolution of the lower Mississippi River valley during the last 100 k.y. glacial cycle: Response to glaciation and sea-level change. *Bulletin of the Geological Society of America* **119**, 586-608.
- Sanchez-Munoz, L., Garcia-Guinea, J., Correcher, V., and Delgado, A. (2007). Thermally stimulated power law relaxation of radiation-induced defects in K-feldspar. *Journal of Physics-Condensed Matter* **19**, doi:10.1088/0953-8984/19/4/046202.
- Schwenninger, J.-L., Gonzalez, S., Huddart, D., Bennett, M., and Gonzalez-Huesca, A. (2006). The OSL dating of the Xalnene ash: A reply to comments by G. Duller on "Human footprints in Central Mexico older than 40,000 years". *Quaternary Science Reviews* **25**, 3077-3080.
- Shaw, P. A., and Bateman, M. D. (2006). Provenance and chronology of the Barcavecchia Tufa, Southwest Etna, Sicily. *Bollettino Della Societa Geologica Italiana* **125**, 265-272.
- Simoes, M., Avouac, J. P., Chen, Y.-G., Singhvi, A. K., Wang, C.-Y., Jaiswal, M., Chan, Y.-C., and Bernard, S. (2007). Kinematic analysis of the Pakuashan fault tip fold, west central Taiwan: Shortening rate and age of folding inception. *Journal of Geophysical Research* **112**, B03S14, doi:10.1029/2005JB004198.
- Singh, S., Parkash, B., Rao, M. S., Arora, M., and Bhosle, B. (2006). Geomorphology, pedology and sedimentology of the Deoha/Ganga-Ghaghara Interfluve, Upper Gangetic Plains (Himalayan foreland basin) - extensional tectonic implications. *Catena* **67**, 183-203.
- Sohn, M. F., Mahan, S. A., Knott, J. R., and Bowman, D. D. (2007). Luminescence ages for alluvial-fan deposits in Southern Death Valley: Implications for climate-driven sedimentation along a tectonically active mountain front. *Quaternary International* **166**, 49-60.
- Soressi, M., Jones, H. L., Rink, W. J., Maureille, B., and Tillier, A. M. (2007). The Pech-de-l'Aze I Neandertal child: ESR, uranium-series, and AMS ^{14}C dating of its MTA type B context. *Journal of Human Evolution* **52**, 455-466.
- Stepanenko, V. F., Hoshi, M., Bailiff, I. K., Ivannikov, A. I., Toyoda, S., Yamamoto, M., Simon, S. L., Matsuo, M., Kawano, N., Zhumadilov, Z., Sasaki, M. S., Rosenson, R. I., and Apsalikov, K. N. (2006). Around Semipalatinsk nuclear test site: Progress of dose estimations relevant to the consequences of nuclear tests. *Journal of Radiation Research* **47**, A1-A13.
- Stepanenko, V. F., Hoshi, M., Dubasov, Y. V., Sakaguchi, A., Yamamoto, M., Orlov, M. Y., Bailiff, I. K., Ivannikov, A. I., Skvortsov, V. G., Iaskova, E. K., Kryukova, I. G., Zhumadilov, K. S., Endo, S., Tanaka, K., Apsalikov, K. N., and Gusev, B. I. (2006). A gradient of radioactive contamination in Dolon village near the SNTS and comparison of computed dose values with instrumental estimates for the 29 August, 1949 nuclear test. *Journal of Radiation Research* **47**, A149-A158.
- Stevens, T., Thomas, D. S. G., Armitage, S. J., Lunn, H. R., and Lu, H. (2007). Reinterpreting climate proxy records from late Quaternary Chinese loess: A detailed OSL investigation. *Earth-Science Reviews* **80**, 111-136.
- Sunta, C. M., Kumar, M., Kher, R. K., and Bhatt, B. C. (2006). Thermoluminescence emission from localized recombination model. *Journal of Physics D-Applied Physics* **39**, 4557-4562.

- Tanir, G., and Bolukdemir, M. H. (2006). Activation energy of NaCl as a function of radiation dose. *Journal of Radioanalytical and Nuclear Chemistry* **270**, 413-416.
- Tanir, G., Bolukdemir, M. H., Catli, S., and Tel, E. (2007). IRSL characteristics of NaCl and KCl relative to dosimeter. *Radiation Measurements* **42**, 29-34.
- Thakur, V. C., Pandey, A. K., and Suresh, N. (2007). Late Quaternary-Holocene evolution of Dun structure and the Himalayan Frontal Fault zone of the Garhwal Sub-Himalaya, NW India. *Journal of Asian Earth Sciences* **29**, 305-319.
- Thompson, C., Rhodes, E., and Croke, J. (2007). The storage of bed material in mountain stream channels as assessed using optically stimulated luminescence dating. *Geomorphology* **83**, 307-321.
- Thomsen, K. J., Bøtter-Jensen, L., Denby, P. M., and Murray, A. S. (2006). Luminescence response to irradiation using mini X-ray generators. *Nuclear Instruments and Methods in Physics Research Section B*: **252**, 267-275.
- Thomsen, K. J., Murray, A. S., Bøtter-Jensen, L., and Kinahan, J. (2007). Determination of burial dose in incompletely bleached fluvial samples using single grains of quartz. *Radiation Measurements* **42**, 370-379.
- Tooth, S., Rodnight, H., Duller, G. A. T., McCarthy, T. S., Marren, P. M., and Brandt, D. (2007). Chronology and controls of avulsion along a mixed bedrock-alluvial river. *Bulletin of the Geological Society of America* **119**, 452-461.
- Toyoda, S., Tsukamoto, S., Hameau, S., Usui, H., and Suzuki, T. (2006). Dating of Japanese Quaternary tephras by ESR and luminescence methods. *Quaternary Geochronology* **1**, 320-326.
- Tsirliganis, N. C., Polymeris, G. S., Kitis, G., and Pagonis, V. (2007). Dependence of the anomalous fading of the TL and blue-OSL of fluorapatite on the occupancy of the tunnelling recombination sites. *Journal of Luminescence* **126**, 303-308.
- Tsukamoto, S., Murray, A. S., Huot, S., Watanuki, T., Denby, P. M., and Botter-Jensen, L. (2007). Luminescence property of volcanic quartz and the use of red isothermal TL for dating tephras. *Radiation Measurements* **42**, 190-197.
- Turk, I., Blackwell, B. A. B., Turk, J., and Pflaum, M. (2006). Resultats de l'analyse tomographique informatisee de la plus ancienne flute decouverte a Divje babe I (Slovenie) et sa position chronologique dans le contexte des changements paleoclimatiques et paleoenvironnementaux au cours du dernier glaciaire. *L'Anthropologie* **110**, 293-317.
- Twidale, C. R., Bourne, J. A., Spooner, N. A., and Rhodes, E. J. (2007). The age of the palaeodunefield of the northern Murray Basin in South Australia: Preliminary results. *Quaternary International* **166**, 42-48.
- Veronese, I., Guzzi, G., Giussani, A., Cantone, M. C., and Ripamonti, D. (2006). Determination of dose rates from natural radionuclides in dental materials. *Journal of Environmental Radioactivity* **91**, 15-26.
- Veronese, I., Shved, V., Shishkina, E. A., Giussani, A., and Goksu, H. Y. (2007). Study of dose rate profile at sample disks in a Riso OSL single-grain attachment system. *Radiation Measurements* **42**, 138-143.
- Vorona, I. P., Baran, N. P., Ishchenko, S. S., and Rudko, V. V. (2007). Separation of the contributions from gamma- and UV-radiation to the EPR spectra of tooth enamel plates. *Applied Radiation and Isotopes* **65**, 553-556.
- Walker, R. T., Bayasgalan, A., Carson, R., Hazlett, R., McCarthy, L., Mischler, J., Molor, E., Sarantsetseg, P., Smith, L., Tsogtbadrakh, B., and Tsolmon, G. (2006). Geomorphology and structure of the Jid right-lateral strike-slip fault in the Mongolian Altay mountains. *Journal of Structural Geology* **28**, 1607-1622.
- Wang, X. L., Wintle, A. G., and Lu, Y. C. (2007). Testing a single-aliquot protocol for recuperated OSL dating. *Radiation Measurements* **42**, 380-391.

Wu, X. Z., Liu, W., Gao, X., and Yin, G. M. (2006). Huanglong Cave, a new late Pleistocene hominid site in Hubei Province, China. *Chinese Science Bulletin* **51**, 2493-2499.

Xu, S. J., Pan, B. T., Gao, H. S., Cao, G. J., and Su, H. (2007). Changes in sand fractions of Binggou section and the expansion and contraction of the Tengger Desert during 50-30 ka. *Earth Surface Processes and Landforms* **32**, 475-480.

Yawata, T., Hashimoto, T., Takeuchi, T., and Hong, D. G. (2007). Optimal conditions of X-ray irradiation for accurate equivalent dose determination. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms* **258**, 375-380.

LED2005 published papers in Quaternary Geochronology (February 2007)

Alexanderson, H., and Murray, A. S. (2007). Was southern Sweden ice free at 19-25 ka, or were the post LGM glacialfluvial sediments incompletely bleached? *Quaternary Geochronology* **2**, 229-236.

Almond, P. C., Shanhun, F. L., Rieser, U., and Shulmeister, J. (2007). An OSL, radiocarbon and tephra isochron-based chronology for Birdlings Flat loess at Ahuriri Quarry, Banks Peninsula, Canterbury, New Zealand. *Quaternary Geochronology* **2**, 4-8.

Armitage, S. J., Drake, N. A., Stokes, S., El-Hawat, A., Salem, M. J., White, K., Turner, P., and McLaren, S. J. (2007). Multiple phases of North African humidity recorded in lacustrine sediments from the Fazzan Basin, Libyan Sahara. *Quaternary Geochronology* **2**, 181-186.

Arnold, L. J., Bailey, R. M., and Tucker, G. E. (2007). Statistical treatment of fluvial dose distributions from southern Colorado arroyo deposits. *Quaternary Geochronology* **2**, 162-167.

Bateman, M. D., Boulter, C. H., Carr, A. S., Frederick, C. D., Peter, D., and Wilder, M. (2007). Detecting post-depositional sediment disturbance in sandy deposits using optical luminescence. *Quaternary Geochronology* **2**, 57-64.

Boe, A.-G., Murray, A., and Dahl, S. O. (2007). Resetting of sediments mobilised by the LGM ice-sheet in southern Norway. *Quaternary Geochronology* **2**, 222-228.

Boulter, C., Bateman, M. D., and Frederick, C. D. (2007). Developing a protocol for selecting and dating sandy sites in East Central Texas: Preliminary results. *Quaternary Geochronology* **2**, 45-50.

Bubenzer, O., Hilgers, A., and Riemer, H. (2007). Luminescence dating and archaeology of Holocene fluvio-lacustrine sediments of Abu Tartur, Eastern Sahara. *Quaternary Geochronology* **2**, 314-321.

Buylaert, J. P., Vandenberghe, D., Murray, A. S., Huot, S., De Corte, F., and Van den Haute, P. (2007). Luminescence dating of old (>70 ka) Chinese loess: A comparison of single-aliquot OSL and IRSL techniques. *Quaternary Geochronology* **2**, 9-14.

Cheong, C. S., Choi, J. H., Sohn, Y. K., Kim, J. C., and Jeong, G. Y. (2007). Optical dating of hydromagmatic volcanoes on the southwestern coast of Jeju Island, Korea. *Quaternary Geochronology* **2**, 266-271.

DeLong, S. B., and Arnold, L. J. (2007). Dating alluvial deposits with optically stimulated luminescence, AMS 14C and cosmogenic techniques, western Transverse Ranges, California, USA. *Quaternary Geochronology* **2**, 129-136.

Fiebig, M., and Preusser, F. (2007). Investigating the amount of zeroing in modern sediments of River Danube, Austria. *Quaternary Geochronology* **2**, 143-149.

Fuchs, M., Woda, C., and Burkert, A. (2007). Chronostratigraphy of a sediment record from the Hajar mountain range in north Oman: Implications for optical dating of insufficiently bleached sediments. *Quaternary Geochronology* **2**, 202-207.

- Gemmell, A. M. D., Murray, A. S., and Connell, E. R. (2007). Devensian glacial events in Buchan (NE Scotland): A progress report on new OSL dates and their implications. *Quaternary Geochronology* **2**, 237-242.
- Jeong, G. Y., Cheong, C.-S., and Choi, J.-H. (2007). The effect of weathering on optically stimulated luminescence dating. *Quaternary Geochronology* **2**, 117-122.
- Kortekaas, M., Murray, A. S., Sandgren, P., and Bjorck, S. (2007). OSL chronology for a sediment core from the southern Baltic Sea: A continuous sedimentation record since deglaciation. *Quaternary Geochronology* **2**, 95-101.
- Lehmkuhl, F., Zander, A., and Frechen, M. (2007). Luminescence chronology of fluvial and aeolian deposits in the Russian Altai (Southern Siberia). *Quaternary Geochronology* **2**, 195-201.
- Li, S.-H., Chen, Y.-Y., Li, B., Sun, J., and Yang, L.-R. (2007). OSL dating of sediments from deserts in northern China. *Quaternary Geochronology* **2**, 23-28.
- Lomax, J., Hilgers, A., Twidale, C. R., Bourne, J. A., and Radtke, U. (2007). Treatment of broad palaeodose distributions in OSL dating of dune sands from the western Murray Basin, South Australia. *Quaternary Geochronology* **2**, 51-56.
- Lopez, G. I., and Rink, W. J. (2007). Characteristics of the burial environment related to quartz SAR-OSL dating at St. Vincent Island, NW Florida, USA. *Quaternary Geochronology* **2**, 65-70.
- Lukas, S., Spencer, J. Q. G., Robinson, R. A. J., and Benn, D. I. (2007). Problems associated with luminescence dating of Late Quaternary glacial sediments in the NW Scottish Highlands. *Quaternary Geochronology* **2**, 243-248.
- Madsen, A. T., Murray, A. S., Andersen, T. J., and Pejrup, M. (2007). Optical dating of young tidal sediments in the Danish Wadden Sea. *Quaternary Geochronology* **2**, 89-94.
- Mahan, S. A., and Brown, D. J. (2007). An optical age chronology of late Quaternary extreme fluvial events recorded in Ugandan dambo soils. *Quaternary Geochronology* **2**, 174-180.
- Mercier, N., Wengler, L., Valladas, H., Joron, J. L., Froget, L., and Reyss, J. L. (2007). The Rhafas Cave (Morocco): Chronology of the mousterian and aterian archaeological occupations and their implications for Quaternary geochronology based on luminescence (TL/OSL) age determinations. *Quaternary Geochronology* **2**, 309-313.
- Molodkov, A. (2007). IR-OSL dating of uranium-rich deposits from the new late Pleistocene section at the Voka site, North-Eastern Estonia. *Quaternary Geochronology* **2**, 208-215.
- Murray, A. S., Svendsen, J. I., Mangerud, J., and Astakhov, V. I. (2007). Testing the accuracy of quartz OSL dating using a known-age Eemian site on the river Sula, northern Russia. *Quaternary Geochronology* **2**, 102-109.
- Narama, C., Kondo, R., Tsukamoto, S., Kajiura, T., Ormukov, C., and Abdrakhmatov, K. (2007). OSL dating of glacial deposits during the Last Glacial in the Terskey-Alatoo Range, Kyrgyz Republic. *Quaternary Geochronology* **2**, 249-254.
- Packman, S. C., Mauz, B., Rousseau, D. D., Antoine, P., Rossignol, J., and Lang, A. (2007). Implications of broad dose distributions obtained with the single-aliquot regenerative-dose method on quartz fine-grains from loess. *Quaternary Geochronology* **2**, 39-44.
- Porat, N., Levi, T., and Weinberger, R. (2007). Possible resetting of quartz OSL signals during earthquakes--Evidence from late Pleistocene injection dikes, Dead Sea basin, Israel. *Quaternary Geochronology* **2**, 272-277.
- Prescott, J. R., Williams, F. M., and Hunt, C. D. (2007). Comparison of TL multiple aliquot, single grain GLSL SAR and C-14 ages for the Puritjarra, Australia, rock shelter. *Quaternary Geochronology* **2**, 344-349.
- Sanderson, D. C. W., Bishop, P., Stark, M., Alexander, S., and Penny, D. (2007). Luminescence dating of canal sediments from Angkor Borei, Mekong Delta, Southern Cambodia. *Quaternary Geochronology* **2**, 322-329.

Shen, Z., Mauz, B., Lang, A., Bloemendal, J., and Dearing, J. (2007). Optical dating of Holocene lake sediments: Elimination of the feldspar component in fine silt quartz samples. *Quaternary Geochronology* **2**, 150-154.

Stevens, T., Armitage, S. J., Lu, H., and Thomas, D. S. G. (2007). Examining the potential of high sampling resolution OSL dating of Chinese loess. *Quaternary Geochronology* **2**, 15-22.

Thamo-Bozso, E., Murray, A. S., Nador, A., Magyari, A., and Babinszki, E. (2007). Investigation of river network evolution using luminescence dating and heavy mineral analysis of Late-Quaternary fluvial sands from the Great Hungarian Plain. *Quaternary Geochronology* **2**, 168-173.

Thomas, P. J., Reddy, D. V., Kumar, D., Nagabhushanam, P., Sukhija, B. S., and Sahoo, R. N. (2007). Optical dating of liquefaction features to constrain prehistoric earthquakes in Upper Assam, NE India--some preliminary results. *Quaternary Geochronology* **2**, 278-283.

Thompson, J., Rink, W. J., and Lopez, G. I. (2007). Optically stimulated luminescence age of the Old Cedar midden, St. Joseph Peninsula State Park, Florida. *Quaternary Geochronology* **2**, 350-355.

Wallinga, J., Bos, A. J. J., Dorenbos, P., Murray, A. S., and Schokker, J. (2007). A test case for anomalous fading correction in IRSL dating. *Quaternary Geochronology* **2**, 216-221.

Zander, A., Degering, D., Preusser, F., Kasper, H. U., and Bruckner, H. (2007). Optically stimulated luminescence dating of sublittoral and intertidal sediments from Dubai, UAE: Radioactive disequilibria in the uranium decay series. *Quaternary Geochronology* **2**, 123-128.

Zhang, J.-F., Fan, C.-F., Wang, H., and Zhou, L.-P. (2007). Chronology of an oyster reef on the coast of Bohai Bay, China: Constraints from optical dating using different luminescence signals from fine quartz and polymineral fine grains of coastal sediments. *Quaternary Geochronology* **2**, 71-76.

Zhao, H., Yanchou, L., and Yin, J. (2007). Optical dating of Holocene sand dune activities in the Horqin sand-fields in inner Mongolia, China, using the SAR protocol. *Quaternary Geochronology* **2**, 29-33.