

# Ancient TL

[www.ancienttl.org](http://www.ancienttl.org) · ISSN: 2693-0935

---

Ancient TL, 2010. *Bibliography*. Ancient TL 28(1): 41-51. <https://doi.org/10.26034/la.atl.2010.437>

This article is published under a *Creative Commons Attribution 4.0 International* (CC BY):  
<https://creativecommons.org/licenses/by/4.0>



© Ancient TL, 2010

## Bibliography

### Compiled by Daniel Richter

---

#### From 1st November 2009 to 30th April 2010

- Aiuvalasit, M. J., Neely, J. A., and Bateman, M. D. (2010). New radiometric dating of water management features at the prehistoric Purrón Dam Complex, Tehuacán Valley, Puebla, México. *Journal of Archaeological Science* **37**, 1207-1213.
- Alappat, L., Vink, A., Tsukamoto, S., and Frechen, M. (2010). Establishing the Late Pleistocene-Holocene sedimentation boundary in the southern North Sea using OSL dating of shallow continental shelf sediments. *Proceedings of the Geologists' Association* **121**, 43-54.
- Alexanderson, H., Johnsen, T., and Murray, A. S. (2010). Re-dating the Pilgrimstad Interstadial with OSL: a warmer climate and a smaller ice sheet during the Swedish Middle Weichselian (MIS 3)? *Boreas* **39**, 367-376.
- Armstrong, P. A., Perez, R., Owen, L. A., and Finkel, R. C. (2010). Timing and controls on late Quaternary landscape development along the eastern Sierra El Mayor range front in northern Baja California, Mexico. *Geomorphology* **114**, 415-430.
- Benedetti, M. M., Haws, J. A., Funk, C. L., Daniels, J. M., Hesp, P. A., Bicho, N. F., Minckley, T. A., Ellwood, B. B., and Forman, S. L. (2009). Late Pleistocene raised beaches of coastal Estremadura, central Portugal. *Quaternary Science Reviews* **28**, 3428-3447.
- Bicket, A. R., Rendell, H. M., Claridge, A., Rose, P., Andrews, J., and Brown, F. S. J. (2009). A multiscale geoarchaeological approach from the Laurentine shore (Castelporziano, Lazio, Italy). *Geomorphologie-Relief Processus Environnement* **4**, 257-270.
- Blechschmidt, I., Matter, A., Preusser, F., and Rieke-Zapp, D. (2009). Monsoon triggered formation of Quaternary alluvial megafans in the interior of Oman. *Geomorphology* **110**, 128-139.
- Bos, A. J. J., and Wallinga, J. (2009). Optically stimulated luminescence signals under various stimulation modes assuming first-order kinetics. *Physical Review B* **79**, Art No. 195118.
- Bourman, R. P., Prescott, J. R., Banerjee, D., Alley, N. F., and Buckman, S. (2010). Age and origin of alluvial sediments within and flanking the Mt Lofty Ranges, southern South Australia: A Late Quaternary archive of climate and environmental change. *Australian Journal of Earth Sciences* **57**, 175-192.
- Briant, R. M., and Bateman, M. D. (2009). Luminescence dating indicates radiocarbon age underestimation in late Pleistocene fluvial deposits from eastern England. *Journal of Quaternary Science* **24**, 916-927.
- Bristow, C. S., Augustinus, P. C., Wallis, I. C., Jol, H. M., and Rhodes, E. J. (2010). Investigation of the age and migration of reversing dunes in Antarctica using GPR and OSL, with implications for GPR on Mars. *Earth and Planetary Science Letters* **289**, 30-42.
- Brook, M. S. (2009). Lateral moraine age in Park Valley, Tararua Range, New Zealand. *Journal of the Royal Society of New Zealand* **39**, 63-69.
- Bulur, E., and Yeltik, A. (2010). Optically stimulated luminescence from BeO ceramics: An LM-OSL study. *Radiation Measurements* **45**, 29-34.

- Carr, A. S., Bateman, M. D., Roberts, D. L., Murray-Wallace, C. V., Jacobs, Z., and Holmes, P. J. (2010). The last interglacial sea-level high stand on the southern Cape coastline of South Africa. *Quaternary Research* **73**, 351-363.
- Clemmensen, L. B., and Murray, A. S. (2009). Luminescence dating of Holocene spit deposits: An example from Skagen Odde, Denmark. *Boreas* **39**, 154-162.
- Cliquet, D., Lautridou, J.-P., Antoine, P., Lamothe, M., Leroyer, M., Limondin-Lozouet, N., and Mercier, N. (2009). La séquence loessique de Saint-Pierre-lès-Elbeuf (Normandie, France) : nouvelles données archéologiques, géochronologiques et paléontologiques. *Quaternaire* **20**, 321-343.
- Cliquet, D., Lautridou, J.-P., Lamothe, M., Mercier, N., Schwenninger, J.-L., Alix, P., and Vilgrain, G. (2009). Nouvelles données sur le site majeur d'Écalgrain : datations radiométriques et occupations humaines de la Pointe de la Hague (Cotentin, Normandie). *Quaternaire* **20**, 345-359.
- Cliquet, D., Mercier, N., Lautridou, J.-P., Alix, P., Beugnier, V., Bianchini, R., Caspar, J.-P., Coutard, S., Lasseur, E., Lorren, P., Gosselin, R., Rivard, J.-J., and Valladas, H. (2009). Un atelier de production et de consommation d'outils bifaciaux de la fin du Paléolithique moyen à Saint-Brice-sous-Rânes (Orne, France) dans son contexte environnemental. *Quaternaire* **20**, 361-379.
- Cohen, T. J., Nanson, G. C., Larsen, J. R., Jones, B. G., Price, D. M., Coleman, M., and Pietsch, T. J. (2010). Late Quaternary aeolian and fluvial interactions on the Cooper Creek Fan and the association between linear and source-bordering dunes, Strzelecki Desert, Australia. *Quaternary Science Reviews* **29**, 455-471.
- Cordier, S. (2010). Optically stimulated luminescence dating: procedures and applications to geomorphological research in France. *Geomorphologie-Relief Processus Environnement* **1**, 21-40.
- Davids, F., Roberts, H. M., and Duller, G. A. T. (2010). Is X-ray core scanning non-destructive? Assessing the implications for optically stimulated luminescence (OSL) dating of sediments. *Journal of Quaternary Science* **25**, 348-353.
- Davies, B. J., Bridgland, D. R., Roberts, D. H., Cofaigh, C. Ó., Pawley, S. M., Candy, I., Demarchi, B., Penkman, K. E. H., and Austin, W. E. N. (2009). The age and stratigraphic context of the Easington Raised Beach, County Durham, UK. *Proceedings of the Geologists' Association* **120**, 183-198.
- Dhir, R. P., Singhvi, A. K., Andrews, J. E., Kar, A., Sareen, B. K., Tandon, S. K., Kailath, A., and Thomas, J. V. (2010). Multiple episodes of aggradation and calcrete formation in Late Quaternary aeolian sands, Central Thar Desert, Rajasthan, India. *Journal of Asian Earth Sciences* **37**, 10-16.
- Erginal, A. E., Kiyak, N. G., and Öztürk, B. (2010). Investigation of beachrock using microanalyses and OSL dating: A case study from Bozcaada Island, Turkey. *Journal of Coastal Research* **26**, 350-358.
- Fattah, M. (2009). The effect of thermal stimulation on the far-red and orange-red IRSL signal of a French K-rich feldspar: preliminary results. *Geochronometria* **34**, 15-24.
- Ferraro, F. (2009). Age, sedimentation, and soil formation in the Val Sorda loess sequence, Northern Italy. *Quaternary International* **204**, 54-64.
- Frechen, M., Seifert, B., Sanabria, J. A., and Arguello, G. L. (2009). Chronology of late Pleistocene Pampa loess from the Cordoba area in Argentina. *Journal of Quaternary Science* **24**, 761-772.
- Fuller, T. K., Perg, L. A., Willenbring, J. K., and Lepper, K. (2009). Field evidence for climate-driven changes in sediment supply leading to strath terrace formation. *Geology* **37**, 467-470.

- Gartia, R. K., Lovedy, L., and Ranita, U. (2009). Analysis of glow curves of quartz and transluminescence dating. *Indian Journal of Pure & Applied Physics* **47**, 417-419.
- Gemmell, A. M. D., and Spötl, C. (2009). Attempts to date the Hotting breccia near Innsbruck (Austria), a classical Quaternary site in the Alps, by optically-stimulated luminescence. *Austrian Journal of Earth Sciences* **102**, 1-12.
- Goodman-Tchernov, B. N., Dey, H. W., Reinhardt, E. G., McCoy, F., and Mart, Y. (2009). Tsunami waves generated by the Santorini eruption reached Eastern Mediterranean shores. *Geology* **37**, 943-946.
- Grün, R., Eggins, S., Aubert, M., Spooner, N., Pike, A. W. G., and Müller, W. (2010). ESR and U-series analyses of faunal material from Cuddie Springs, NSW, Australia: implications for the timing of the extinction of the Australian megafauna. *Quaternary Science Reviews* **29**, 596-610.
- Henck, A., Taylor, J., Lu, H., Li, Y., Yang, Q., Grub, B., Breslow, S. J., Robbins, A., Elliott, A., Hinckley, T., Combs, J., Urgenson, L., Widder, S., Hu, X., Ma, Z., Yuan, Y., Jian, D., Liao, X., and Tang, Y. (2010). Anthropogenic hillslope terraces and swidden agriculture in Jiuzhaigou National Park, northern Sichuan, China. *Quaternary Research* **73**, 201-207.
- Hodgson, D. A., Roberts, S. J., Bentley, M. J., Carmichael, E. L., Smith, J. A., Verleyen, E., Vyverman, W., Geissler, P., Leng, M. J., and Sanderson, D. C. W. (2009). Exploring former subglacial Hodgson Lake, Antarctica. Paper II: palaeolimnology. *Quaternary Science Reviews* **28**, 2310-2325.
- Holzer, A., Avner, U., Porat, N., and Horwitz, L. K. (2010). Desert kites in the Negev desert and northeast Sinai: their function, chronology and ecology. *Journal of Arid Environments* **74**, 806-817.
- Huang, C. C., Pang, J., Zha, X., Zhou, Y., Su, H., and Li, Y. (2010). Extraordinary floods of 4100-4000 a BP recorded at the Late Neolithic Ruins in the Jinghe River Gorges, Middle Reach of the Yellow River, China. *Palaeogeography, Palaeoclimatology, Palaeoecology* **289**, 1-9.
- Hughes, A. O., Croke, J. C., Pietsch, T. J., and Olley, J. M. (2010). Changes in the rates of floodplain and in-channel bench accretion in response to catchment disturbance, central Queensland, Australia. *Geomorphology* **114**, 338-347.
- Hulle, D., Hilgers, A., Kuhn, 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.
- Ito, K., Hasebe, N., Sumita, R., Arai, S., Yamamoto, M., Kashiwaya, K., and Ganzawa, Y. (2009). LA-ICP-MS analysis of pressed powder pellets to luminescence geochronology. *Chemical Geology* **262**, 131-137.
- Jaiswal, M. K., Chen, Y. G., Kale, V. S., and Achyuthan, H. (2009). Residual luminescence in quartz from slack water deposits in Kaveri Basin, South India: a single aliquot approach. *Geochronometria* **33**, 1-8.
- Johnson, M. D., and Stahl, Y. (2009). Stratigraphy, sedimentology, age and palaeoenvironment of marine varved clay in the Middle Swedish end-moraine zone. *Boreas* **39**, 199 - 214.
- Kang, S. G., Wang, X. L., Li, X. N., and Lu, Y. C. (2010). Anomalous fading of the IRSL signal of polymineral grains in Chinese loess. *Radiation Measurements* **45**, 22-28.
- Kemp, J., and Rhodes, E. J. (2010). Episodic fluvial activity of inland rivers in southeastern Australia: Palaeochannel systems and terraces of the Lachlan River. *Quaternary Science Reviews* **29**, 732-752.
- Kitis, G., Kiyak, N. G., Polymeris, G. S., and Pagonis, V. (2010). Investigation of OSL signals from very deep traps in unfired and fired quartz samples. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms* **268**, 592-598.

- Koul, D. K., Chougaonkar, M. P., and Polymeris, G. S. (2010). Applicability of OSL pre-dose phenomenon of quartz in the estimation of equivalent dose. *Radiation Measurements* **45**, 15-21.
- Koul, D.K., Adamiec, G., and Chougaonkar, M.P. (2009). Participation of the R-centres in the sensitization of the OSL signal. *Journal of Physics D: Applied Physics* **42**, 115110.
- Koul, D. K., Polymeris, G. S., Tsirliganis, N. C., and Kitis, G. (2010). Possibility of pure thermal sensitization in the pre-dose mechanism of the 110 °C TL peak of quartz. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms* **268**, 493-498.
- Kumar, M., Chourasiya, G., Bhatt, B. C., and Sunta, C. M. (2010). Dependence of peak height of glow curves on heating rate in thermoluminescence. *Journal of Luminescence* **130**, 1216-1220.
- Lai, Z. (2010). Chronology and the upper dating limit for loess samples from Luochuan section in the Chinese Loess Plateau using quartz OSL SAR protocol. *Journal of Asian Earth Sciences* **37**, 176-185.
- Lämmermann-Barthel, J., Neeb, I., Hinderer, M., and Frechen, M. (2009). Last glacial to Holocene fluvial aggradation and incision in the southern upper Rhine graben: climatic and neotectonic controls. *Quaternaire* **20**, 25-34.
- Lewis, C. J., McDonald, E. V., Sancho, C., Pena, J. L., and Rhodes, E. J. (2009). Climatic implications of correlated Upper Pleistocene glacial and fluvial deposits on the Cinca and Gallego Rivers (NE Spain) based on OSL dating and soil stratigraphy. *Global and Planetary Change* **67**, 141-152.
- Li, D. W., Li, Y. K., Ma, B. Q., Dong, G. C., Wang, L. Q., and Zhao, J. X. (2009). Lake-level fluctuations since the Last Glaciation in Selin Co (lake), Central Tibet, investigated using optically stimulated luminescence dating of beach ridges. *Environmental Research Letters* **4**, Art No. 045204.
- Li, H., Wu, X., Li, S., Huang, W., and Liu, W. (2010). Late Pleistocene human skull from Jingchuan, Gansu Province. *Chinese Science Bulletin* **55**, 1047-1052.
- Liritzis, I. (2010). Strofilas (Andros Island, Greece): new evidence for the cycladic final neolithic period through novel dating methods using luminescence and obsidian hydration. *Journal of Archaeological Science* **37**, 1367-1377.
- Liu, D. C., Wang, X. L., Gao, X., Xia, Z. K., Pei, S. W., Chen, F. Y., and Wang, H. M. (2009). Progress in the stratigraphy and geochronology of the Shuidonggou site, Ningxia, North China. *Chinese Science Bulletin* **54**, 3880-3886.
- Lombard, M., Wadley, L., Jacobs, Z., Mohapi, M., and Roberts, R. G. (2010). Still Bay and serrated points from Umhlatuzana Rock Shelter, Kwazulu-Natal, South Africa. *Journal of Archaeological Science* **37**, 1773-1784.
- Lopes, R. P., Oliveira, L. C., Figueiredo, A. M. G., Kinoshita, A., Baffa, O., and Buchmann, F. S. (2010). ESR dating of pleistocene mammal teeth and its implications for the biostratigraphy and geological evolution of the coastal plain, Rio Grande do Sul, southern Brazil. *Quaternary International* **212**, 213-222.
- Macklin, M. G., Tooth, S., Brewer, P. A., Noble, P. L., and Duller, G. A. T. (2010). Holocene flooding and river development in a Mediterranean stepland catchment: The Anapodaris Gorge, south central Crete, Greece. *Global and Planetary Change* **70**, 35-52.
- Malik, J. N., Sahoo, A. K., Shah, A. A., Shinde, D. P., Juyal, N., and Singhvi, A. K. (2010). Paleoseismic evidence from trench investigation along Hajipur fault, Himalayan Frontal Thrust, NW Himalaya: Implications of the faulting pattern on landscape evolution and seismic hazard. *Journal of Structural Geology* **32**, 350-361.

- McKeever, S. W. S., Blair, M. W., Yukihara, E. G., and DeWitt, R. (2010). The effects of low ambient temperatures on optically stimulated luminescence (OSL) processes: Relevance to OSL dating of martian sediments. *Radiation Measurements* **45**, 60-70.
- Meric, N., Atlıhan, M., Koşal, M., Yüce, Ü., and Cinaroglu, A. (2009). Infrared stimulated luminescence and thermoluminescence dating of archaeological samples from Turkey. *Geochronometria* **34**, 25-31.
- Miao, X., Hanson, P. R., Wang, H., and Young, A. R. (2010). Timing and origin for sand dunes in the Green River Lowland of Illinois, upper Mississippi River Valley, USA. *Quaternary Science Reviews* **29**, 763-773.
- Miller, D. M., Schmidt, K. M., Mahan, S. A., McGeehin, J. P., Owen, L. A., Barron, J. A., Lehmkuhl, F., and Löhrer, R. (2010). Holocene landscape response to seasonality of storms in the Mojave Desert. *Quaternary International* **215**, 45-61.
- Mischke, S., Sun, Z., Herzschuh, U., Qiao, Z., and Sun, N. (2010). An ostracod-inferred large Middle Pleistocene freshwater lake in the presently hyper-arid Qaidam Basin (NW China). *Quaternary International* **218**, 74-85.
- Misra, D. K., and Srivastava, P. (2009). River response to continuing movements along the active faults in the Siang Valley, North-Eastern Himalaya, India. *Zeitschrift Für Geomorphologie* **53**, 455-468.
- Möller, P., Hjort, C., Björck, S., Rabassa, J., and Ponce, J. F. (2010). Late Quaternary glaciation history of Isla de los Estados, southeasternmost South America. *Quaternary Research* **73**, 521-534.
- Murton, D. K., Pawley, S. M., and Murton, J. B. (2009). Sedimentology and luminescence ages of Glacial Lake Humber deposits in the central Vale of York. *Proceedings of the Geologists' Association* **120**, 209-222.
- Murton, J. B., Bateman, M. D., Dallimore, S. R., Teller, J. T., and Yang, Z. R. (2010). Identification of Younger Dryas outburst flood path from Lake Agassiz to the Arctic Ocean. *Nature* **464**, 740-743.
- Nicoll, K. (2010). Geomorphic development and Middle Stone Age archaeology of the Lower Cunene River, Namibia-Angola Border. *Quaternary Science Reviews* **29**, 1419-1431.
- Nogueira, F. C., Bezerra, F. H. R., and Fuck, R. A. (2010). Quaternary fault kinematics and chronology in intraplate northeastern Brazil. *Journal of Geodynamics* **49**, 79-91.
- Novothny, A., Frechen, M., Horvath, E., Bradak, B., Oches, E. A., McCoy, W. D., and Stevens, T. (2009). Luminescence and amino acid racemization chronology of the loess-paleosol sequence at Sutto, Hungary. *Quaternary International* **198**, 62-76.
- Pagonis, V., Ankjærgaard, C., Murray, A. S., Jain, M., Chen, R., Lawless, J., and Greilich, S. (2010). Modelling the thermal quenching mechanism in quartz based on time-resolved optically stimulated luminescence. *Journal of Luminescence* **130**, 902-909.
- Pan, B., Su, H., Hu, Z., Hu, X., Gao, H., Li, J., and Kirby, E. (2009). Evaluating the role of climate and tectonics during non-steady incision of the Yellow River: evidence from a 1.24 Ma terrace record near Lanzhou, China. *Quaternary Science Reviews* **28**, 3281-3290.
- Paulick, H., Ewen, C., Blanchard, H., and Zöller, L. (2009). The Middle-Pleistocene (~300 ka) Rodderberg maar-scoria cone volcanic complex (Bonn, Germany): eruptive history, geochemistry, and thermoluminescence dating. *International Journal of Earth Sciences* **98**, 1879-1899.

- Peacock, E., and Feathers, J. K. (2009). Accelerator mass spectrometry radiocarbon dating of temper in shell-tempered ceramics: test cases from Mississippi, southeastern United States. *American Antiquity* **74**, 351-369.
- Pei, S., Gao, X., Feng, X., Chen, F., and Dennell, R. (2010). Lithic assemblage from the Jingshuiwan Paleolithic site of the early Late Pleistocene in the Three Gorges, China. *Quaternary International* **211**, 66-74.
- Poolton, N. R. J., Kars, R. H., Wallinga, J., and Bos, A. J. J. (2009). Direct evidence for the participation of band-tails and excited-state tunnelling in the luminescence of irradiated feldspars. *Journal of Physics Condensed Matter* **21**, Art No. 485505.
- Porat, N., Amit, R., Enzel, Y., Zilberman, E., Avni, Y., Ginat, H., and Gluck, D. (2010). Abandonment ages of alluvial landforms in the hyperarid Negev determined by luminescence dating. *Journal of Arid Environments* **74**, 861-869.
- Porch, N., Jordan, G. J., Price, D. M., Barnes, R. W., Macphail, M. K., and Pemberton, M. (2009). Last interglacial climates of south-eastern Australia: plant and beetle-based reconstructions from Yarra Creek, King Island, Tasmania. *Quaternary Science Reviews* **28**, 3197-3210.
- Preusser, F., Chithambo, M. L., Götte, T., Martini, M., Ramseyer, K., Sendezera, E. J., Susino, G. J., and Wintle, A. G. (2009). Quartz as a natural luminescence dosimeter. *Earth-Science Reviews* **97**, 184-214.
- Qiang, M., Chen, F., Wang, Z., Niu, G., and Song, L. (2010). Aeolian deposits at the southeastern margin of the Tengger Desert (China): Implications for surface wind strength in the Asian dust source area over the past 20,000 years. *Palaeogeography, Palaeoclimatology, Palaeoecology* **286**, 66-80.
- Rentzel, P., Preusser, F., Pumpin, C., and Wolf, J. J. (2009). Loess and palaeosols on the High Terrace at Sierentz (France), and implications for the chronology of terrace formation in the Upper Rhine Graben. *Swiss Journal of Geosciences* **102**, 387-401.
- Rhode, D., Haizhou, M., Madsen, D. B., Brantingham, P. J., Forman, S. L., and Olsen, J. W. (2010). Paleoenvironmental and archaeological investigations at Qinghai Lake, western China: Geomorphic and chronometric evidence of lake level history. *Quaternary International* **218**, 29-44.
- Rother, H., Shulmeister, J., and Rieser, U. (2010). Stratigraphy, optical dating chronology (IRSL) and depositional model of pre-LGM glacial deposits in the Hope Valley, New Zealand. *Quaternary Science Reviews* **29**, 576-592.
- Rufer, D., and Preusser, F. (2009). Potential of autoradiography to detect spatially resolved radiation patterns in the context of trapped charge dating. *Geochronometria* **34**, 1-13.
- Salgueiro, E., Voelker, A. H. L., de Abreu, L., Abrantes, F., Meggers, H., and Wefer, G. (2010). Temperature and productivity changes off the western Iberian margin during the last 150 ky. *Quaternary Science Reviews* **29**, 680-695.
- Singh, S. N. (2009). Optically stimulated luminescence dating of artifacts excavated from Kangla, Manipur, India. *Indian Journal of Pure & Applied Physics* **47**, 450-452.
- Song, K. W., Kim, K. B., and Hong, D. G. (2010). Determination of trap parameters for thermoluminescence glow peaks of red thermoluminescence of quartz from Japan. *Radiation Effects and Defects in Solids: Incorporating Plasma Science and Plasma Technology* **165**, 305 - 312.
- Stone, A. E. C., Thomas, D. S. G., and Viles, H. A. (2010). Late Quaternary palaeohydrological changes in the northern Namib Sand Sea: New chronologies using OSL dating of interdigitated aeolian and water-lain interdune deposits. *Palaeogeography, Palaeoclimatology, Palaeoecology* **288**, 35-53.

- Sun, Y., Wang, X., Liu, Q., and Clemens, S. C. (2010). Impacts of post-depositional processes on rapid monsoon signals recorded by the last glacial loess deposits of northern China. *Earth and Planetary Science Letters* **289**, 171-179.
- Telfer, M. W., Wilson, P., Lord, T. C., and Vincent, P. J. (2009). New constraints on the age of the last ice sheet glaciation in NW England using optically stimulated luminescence dating. *Journal of Quaternary Science* **24**, 906-915.
- Thrasher, I. M., Mauz, B., Chiverrell, R. C., and Lang, A. (2009). Luminescence dating of glaciofluvial deposits: A review. *Earth-Science Reviews* **97**, 133-146.
- Tsoar, H., Levin, N., Porat, N., Maia, L. P., Herrmann, H., Tatumi, S. H., and Claudino-Sales, V. (2009). The effect of climate change on the mobility and stability of coastal sand dunes in Ceara State (NE Brazil). *Quaternary Research* **71**, 217-226.
- Tsukamoto, S., Duller, G. A. T., Murray, A. S., and Choi, J. H. (2009). Introduction to the special issue on application of luminescence dating in geomorphology. *Geomorphology* **109**, 1-1.
- van Mourik, J. M., Nierop, K. G. J., and Vandenberghe, D. A. G. (2010). Radiocarbon and optically stimulated luminescence dating based chronology of a polycyclic driftsand sequence at Weerterbergen (SE Netherlands). *Catena* **80**, 170-181.
- Veth, P., Smith, M., Bowler, J., Fitzsimmons, K., Williams, A., and Hiscock, P. (2009). Excavations at Parnkupiriti, Lake Gregory, Great Sandy Desert: OSL ages for occupation before the Last Glacial Maximum. *Australian Archaeology*, 1-10.
- von Suchodoletz, H., Oberhansli, H., Faust, D., Fuchs, M., Blanchet, C., Goldammer, T., and Zöller, L. (2010). The evolution of Saharan dust input on Lanzarote (Canary Islands) -- influenced by human activity in the Northwest Sahara during the early Holocene? *The Holocene* **20**, 169-179.
- Wasson, R. J., Furlonger, L., Parry, D., Pietsch, T., Valentine, E., and Williams, D. (2010). Sediment sources and channel dynamics, Daly River, Northern Australia. *Geomorphology* **114**, 161-174.
- Williams, M. A. J., Williams, F. M., Duller, G. A. T., Munro, R. N., El Tom, O. A. M., Barrows, T. T., Macklin, M., Woodward, J., Talbot, M. R., Haberlah, D., and Fluin, J. (2010). Late Quaternary floods and droughts in the Nile valley, Sudan: new evidence from optically stimulated luminescence and AMS radiocarbon dating. *Quaternary Science Reviews* **29**, 1116-1137.
- Wood, J. R., Forman, S. L., Pierson, J., and Gomez, J. (2010). New insights on Illinoian deglaciation from deposits of Glacial Lake Quincy, central Indiana. *Quaternary Research* **73**, 374-384.
- Wu, T.-S., Jaiswal, M. K., Lin, Y. N., Chen, Y.-W., and Chen, Y.-G. (2010). Residual luminescence in modern debris flow deposits from western Taiwan: A single grain approach. *Journal of Asian Earth Sciences* **38**, 274-282.
- Yu, K. B., Brook, G. A., Rhew, H., Shin, Y. H., Kim, S. H., and Brook, F. Z. (2009). Episodic coastal dune development in the Taean Peninsula and Anmyeon Island, Korea, during the mid to late Holocene. *Journal of Quaternary Science* **24**, 982-990.
- Zhao, J., Liu, S., Wang, J., Song, Y., and Du, J. (2010). Glacial advances and ESR chronology of the Pochengzi Glaciation, Tianshan Mountains, China. *SCIENCE CHINA Earth Sciences* **53**, 403-410.
- Zhao, J., Song, Y., King, J. W., Liu, S., Wang, J., and Wu, M. (2010). Glacial geomorphology and glacial history of the Muzart River valley, Tianshan Range, China. *Quaternary Science Reviews* **29**, 1453-1463.

**Papers from the 12th International Conference on Luminescence and Electron Spin Resonance Dating (LED2008) held in Beijing, published in Volume 5/2-3 of Quaternary Geochronology**

Alam, M. A., and Chandrasekharam, D. (2010). Comment on "Thermoluminescence and optically stimulated luminescence signals from volcanic ash: History of volcanism in Barren Island, Andaman Sea" by D. Banerjee (*Quaternary Geochronology*). *Quaternary Geochronology* **5**, 283-284.

Bahain, J. J., Falguères, C., Dolo, J. M., Antoine, P., Auguste, P., Limondin-Lozouet, N., Locht, J. L., Tuffreau, A., Tissoux, H., and Farkh, S. (2010). ESR/U-series dating of teeth recovered from well-stratigraphically age-controlled sequences from Northern France. *Quaternary Geochronology* **5**, 371-375.

Banerjee, D. (2010). Reply to Comments on "Thermoluminescence and optically stimulated luminescence signals from volcanic ash: History of volcanism in Barren Island, Andaman Sea" by M.A. Alam and D. Chandrashekaram. *Quaternary Geochronology* **5**, 285-285.

Banerjee, D. (2010). Thermoluminescence and optically stimulated luminescence signals from volcanic ash: History of volcanism in Barren Island, Andaman Sea. *Quaternary Geochronology* **5**, 279-282.

Barré, M., and Lamothe, M. (2010). Luminescence dating of archaeosediments: A comparison of K-feldspar and plagioclase IRSL ages. *Quaternary Geochronology* **5**, 324-328.

Bateman, M. D., Murton, J. B., and Boulter, C. (2010). The source of  $D_e$  variability in periglacial sand wedges: Depositional processes versus measurement issues. *Quaternary Geochronology* **5**, 250-256.

Berger, G. W., Ante, S., and Domack, E. (2010). Luminescence from glacimarine sediment-trap samples at the Antarctic Peninsula. *Quaternary Geochronology* **5**, 244-249.

Blain, S., Bailiff, I. K., Guibert, P., Bouvier, A., and Baylé, M. (2010). An intercomparison study of luminescence dating protocols and techniques applied to medieval brick samples from Normandy (France). *Quaternary Geochronology* **5**, 311-316.

Cunha, P. P., Buylaert, J. P., Murray, A. S., Andrade, C., Freitas, M. C., Fatela, F., Munhá, J. M., Martins, A. A., and Sugisaki, S. (2010). Optical dating of clastic deposits generated by an extreme marine coastal flood: The 1755 tsunami deposits in the Algarve (Portugal). *Quaternary Geochronology* **5**, 329-335.

Davids, F., Duller, G. A. T., and Roberts, H. M. (2010). Testing the use of feldspars for optical dating of hurricane overwash deposits. *Quaternary Geochronology* **5**, 125-130.

Derese, C., Vandenberghe, D., Eggermont, N., Bastiaens, J., Annaert, R., and Van den haute, P. (2010). A medieval settlement caught in the sand: Optical dating of sand-drifting at Pulle (N Belgium). *Quaternary Geochronology* **5**, 336-341.

Durcan, J. A., Roberts, H. M., Duller, G. A. T., and Alizai, A. H. (2010). Testing the use of range-finder OSL dating to inform field sampling and laboratory processing strategies. *Quaternary Geochronology* **5**, 86-90.

Fan, Q., Lai, Z., Long, H., Sun, Y., and Liu, X. (2010). OSL chronology for lacustrine sediments recording high stands of Gahai Lake in Qaidam Basin, northeastern Qinghai-Tibetan Plateau. *Quaternary Geochronology* **5**, 223-227.

Fan, Y.-X., Zhao, H., and Chen, F.-H. (2010). The equivalent dose of different grain size quartz fractions from lakeshore sediments in the arid region of north China. *Quaternary Geochronology* **5**, 205-211.

- Fattah, M., Nazari, H., Bateman, M. D., Meyer, B., Sébrier, M., Talebian, M., Le Dortz, K., Foroutan, M., Ahmadi Givi, F., and Ghorashi, M. (2010). Refining the OSL age of the last earthquake on the Dheshir fault, Central Iran. *Quaternary Geochronology* **5**, 286-292.
- Fitzsimmons, K. E., Rhodes, E. J., and Barrows, T. T. (2010). OSL dating of southeast Australian quartz: A preliminary assessment of luminescence characteristics and behaviour. *Quaternary Geochronology* **5**, 91-95.
- Fu, X., Zhang, J.-F., Mo, D.-W., Shi, C.-X., Liu, H., Li, Y.-Y., and Zhou, L.-P. (2010). Luminescence dating of baked earth and sediments from the Qujialing archaeological site, China. *Quaternary Geochronology* **5**, 353-359.
- Fuchs, M., Fischer, M., and Reverman, R. (2010). Colluvial and alluvial sediment archives temporally resolved by OSL dating: Implications for reconstructing soil erosion. *Quaternary Geochronology* **5**, 269-273.
- Grapes, R., Rieser, U., and Wang, N. (2010). Optical luminescence dating of a loess section containing a critical tephra marker horizon, SW North Island of New Zealand. *Quaternary Geochronology* **5**, 164-169.
- Han, F., Falguères, C., Bahain, J. J., Shao, Q., Duval, M., Lebon, M., Garcia, T., Dolo, J. M., Perrenoud, C., Shen, G. J., and de Lumley, H. (2010). Effect of deposit alterations on the dating of herbivorous teeth from Arago cave by the ESR-U-series method. *Quaternary Geochronology* **5**, 376-380.
- He, Z., Zhou, J., Lai, Z., Yang, L., Liang, J., Long, H., and Ou, X. (2010). Quartz OSL dating of sand dunes of Late Pleistocene in the Mu Us Desert in northern China. *Quaternary Geochronology* **5**, 102-106.
- Hu, G., Zhang, J.-F., Qiu, W.-L., and Zhou, L.-P. (2010). Residual OSL signals in modern fluvial sediments from the Yellow River (HuangHe) and the implications for dating young sediments. *Quaternary Geochronology* **5**, 187-193.
- Hülle, D., Hilgers, A., Radtke, U., Stoltz, C., Hempelmann, N., Grunert, J., Felauer, T., and Lehmkühl, F. (2010). OSL dating of sediments from the Gobi Desert, Southern Mongolia. *Quaternary Geochronology* **5**, 107-113.
- Kaiser, K., Lai, Z., Schneider, B., and Junge, F. W. (2010). Late Pleistocene genesis of the middle Yarlung Zhangbo Valley, southern Tibet (China), as deduced by sedimentological and luminescence data. *Quaternary Geochronology* **5**, 200-204.
- Kim, J. C., Duller, G. A. T., Roberts, H. M., Wintle, A. G., Lee, Y. I., and Yi, S. B. (2010). Re-evaluation of the chronology of the palaeolithic site at Jeongokri, Korea, using OSL and TT-OSL signals from quartz. *Quaternary Geochronology* **5**, 365-370.
- Lai, Z., Zhang, W., Chen, X., Jia, Y., Liu, X., Fan, Q., and Long, H. (2010). OSL chronology of loess deposits in East China and its implications for East Asian monsoon history. *Quaternary Geochronology* **5**, 154-158.
- Liu, C.-R., Yin, G.-M., Gao, L., Bahain, J.-J., Li, J.-P., Lin, M., and Chen, S.-M. (2010). ESR dating of Pleistocene archaeological localities of the Nihewan Basin, North China - Preliminary results. *Quaternary Geochronology* **5**, 385-390.
- Liu, X., Lai, Z., Fan, Q., Long, H., and Sun, Y. (2010). Timing for high lake levels of Qinghai Lake in the Qinghai-Tibetan Plateau since the Last Interglaciation based on quartz OSL dating. *Quaternary Geochronology* **5**, 218-222.
- Long, H., Lai, Z., Fan, Q., Sun, Y., and Liu, X. (2010). Applicability of a quartz OSL standardised growth curve for  $D_e$  determination up to 400 Gy for lacustrine sediments from the Qaidam Basin of the Qinghai-Tibetan Plateau. *Quaternary Geochronology* **5**, 212-217.
- Lüthgens, C., Kröbtschek, M., Böse, M., and Fuchs, M. C. (2010). Optically stimulated luminescence dating of fluvioglacial (sandur) sediments from north-eastern Germany. *Quaternary Geochronology* **5**, 237-243.

Martins, A. A., Cunha, P. P., Buylaert, J.-P., Huot, S., Murray, A. S., Dinis, P., and Stokes, M. (2010). K-feldspar IRSL dating of a Pleistocene river terrace staircase sequence of the Lower Tejo River (Portugal, western Iberia). *Quaternary Geochronology* **5**, 176-180.

Molodkov, A., Bitinas, A., and Damusyte, A. (2010). IR-OSL studies of till and inter-till deposits from the Lithuanian Maritime Region. *Quaternary Geochronology* **5**, 263-268.

Moska, P., Murray, A. S., and Bluszcz, A. (2010). Luminescence properties of single grain quartz to determine the history of a sample from the Sahara Desert. *Quaternary Geochronology* **5**, 96-101.

Novothny, Á., Frechen, M., Horváth, E., Kröbtschek, M., and Tsukamoto, S. (2010). Infrared stimulated luminescence and radiofluorescence dating of aeolian sediments from Hungary. *Quaternary Geochronology* **5**, 114-119.

Ou, X., Xu, L., Lai, Z., Long, H., He, Z., Fan, Q., and Zhou, S. (2010). Potential of quartz OSL dating on moraine deposits from eastern Tibetan Plateau using SAR protocol. *Quaternary Geochronology* **5**, 257-262.

Rhodes, E. J., Fanning, P. C., and Holdaway, S. J. (2010). Developments in optically stimulated luminescence age control for geoarchaeological sediments and hearths in western New South Wales, Australia. *Quaternary Geochronology* **5**, 348-352.

Rieser, U., and Wüst, R. A. J. (2010). OSL chronology of Lynch's Crater, the longest terrestrial record in NE-Australia. *Quaternary Geochronology* **5**, 233-236.

Roberts, H., Duller, G.A.T., and Grün, R. (2010). A Dedication to Professor Ann Grace Wintle. *Quaternary Geochronology* **5**, 84-85.

Sanderson, D. C. W., and Murphy, S. (2010). Using simple portable OSL measurements and laboratory characterisation to help understand complex and heterogeneous sediment sequences for luminescence dating. *Quaternary Geochronology* **5**, 299-305.

Schmidt, E. D., Machalett, B., Markovic, S. B., Tsukamoto, S., and Frechen, M. (2010). Luminescence chronology of the upper part of the Stari Slankamen loess sequence (Vojvodina, Serbia). *Quaternary Geochronology* **5**, 137-142.

Sugisaki, S., Buylaert, J.-P., Murray, A., Tsukamoto, S., Nogi, Y., Miura, H., Sakai, S., Iijima, K., and Sakamoto, T. (2010). High resolution OSL dating back to MIS 5e in the central Sea of Okhotsk. *Quaternary Geochronology* **5**, 293-298.

Sun, X., Mercier, N., Falguères, C., Bahain, J.-J., Despriée, J., Bayle, G., and Lu, H. (2010). Recuperated optically stimulated luminescence dating of middle-size quartz grains from the Palaeolithic site of Bonneval (Eure-et-Loir, France). *Quaternary Geochronology* **5**, 342-347.

Sun, Y., Lai, Z., Long, H., Liu, X., and Fan, Q. (2010). Quartz OSL dating of archaeological sites in Xiao Qaidam Lake of the NE Qinghai-Tibetan Plateau and its implications for palaeoenvironmental changes. *Quaternary Geochronology* **5**, 360-364.

Susino, G. J. (2010). Optical dating and lithic microwaste--Archaeological applications. *Quaternary Geochronology* **5**, 306-310.

Thamó-Bozsó, E., Csillag, G., Fodor, L. I., Müller, P. M., and Nagy, A. (2010). OSL-dating the Quaternary landscape evolution in the Vértes Hills forelands (Hungary). *Quaternary Geochronology* **5**, 120-124.

Timar, A., Vandenberghe, D., Panaiotu, E. C., Panaiotu, C. G., Necula, C., Cosma, C., and van den haute, P. (2010). Optical dating of Romanian loess using fine-grained quartz. *Quaternary Geochronology* **5**, 143-148.

Tissoux, H., Valladas, H., Voinchet, P., Reyss, J. L., Mercier, N., Falguères, C., Bahain, J. J., Zöller, L., and Antoine, P. (2010). OSL and ESR studies of Aeolian quartz from the Upper Pleistocene loess sequence of Nussloch (Germany). *Quaternary Geochronology* **5**, 131-136.

Tribolo, C., Mercier, N., Rasse, M., Soriano, S., and Huysecom, E. (2010). Kobo 1 and L'Abri aux Vaches (Mali, West Africa): Two case studies for the optical dating of bioturbated sediments. *Quaternary Geochronology* **5**, 317-323.

Tsukamoto, S., Duller, G. A. T., Wintle, A. G., and Frechen, M. (2010). Optical dating of a Japanese marker tephra using plagioclase. *Quaternary Geochronology* **5**, 274-278.

Voinchet, P., Despriée, J., Tissoux, H., Falguères, C., Bahain, J. J., Gageonnet, R., Dépont, J., and Dolo, J. M. (2010). ESR chronology of alluvial deposits and first human settlements of the Middle Loire Basin (Region Centre, France). *Quaternary Geochronology* **5**, 381-384.

Wallinga, J., Hobo, N., Cunningham, A. C., Versendaal, A. J., Makaske, B., and Middelkoop, H. (2010). Sedimentation rates on embanked floodplains determined through quartz optical dating. *Quaternary Geochronology* **5**, 170-175.

Wang, P., Jiang, H., Yuan, D., Liu, X., and Zhang, B. (2010). Optically stimulated luminescence dating of sediments from the Yellow River terraces in Lanzhou: Tectonic and climatic implications. *Quaternary Geochronology* **5**, 181-186.

Zhang, J.-F., Qiu, W.-L., Wang, X.-Q., Hu, G., Li, R.-Q., and Zhou, L.-P. (2010). Optical dating of a hyperconcentrated flow deposit on a Yellow River terrace in Hukou, Shaanxi, China. *Quaternary Geochronology* **5**, 194-199.

Zhao, H., Lu, Y., Wang, C., Chen, J., Liu, J., and Mao, H. (2010). ReOSL dating of aeolian and fluvial sediments from Nihewan Basin, northern China and its environmental application. *Quaternary Geochronology* **5**, 159-163.

Zheng, Y. E., Zhou, L. P., and Zhang, J. F. (2010). Optical dating of the upper 22 m of cored sediments from Daihai Lake, northern China. *Quaternary Geochronology* **5**, 228-232.

Zhou, L. P., Fu, D. P., and Zhang, J. F. (2010). An analysis of the components of the luminescence signals of selected polymineral and quartz samples from loess in western China and southern Tajikistan, and their suitability for optical dating. *Quaternary Geochronology* **5**, 149-153.

