

Bibliography

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Akridge D. G. and Benoit P. H. (2001) Luminescence properties of chert and some archaeological applications. *Journal of Archaeological Science* **28**, 143-151.

Almond P. C., Moar N. T., and Lian O. B. (2001) Reinterpretation of the glacial chronology of South Westland, New Zealand. *New Zealand Journal of Geology and Geophysics* **44**, 1-15.

Antoine P., Rousseau D. D., Zöller L., Lang A., Munaut A. V., Hatté C., and Fontugne M. (2001) High-resolution record of the last Interglacial-glacial cycle in the Nussloch loess-palaeosol sequences, Upper Rhine area, Germany. *Quaternary International* **76-7**, 211-229.

Bartoll J., Schwarcz H. P., and Rink W. J. (2001) ESR studies of E' centres in geological flint. *Radiation Measurements* **33**, 893-898.

Benoit P. H., Hartmetz C. P., Batchelor J. D., Symes S. J. K., and Sears D. W. G. (2001) The induced thermoluminescence and thermal history of plagioclase feldspars. *American Mineralogist* **86**, 780-789.

Berger G. W., Almond P. C., and Pillans B. J. (2001) Luminescence dating and glacial stratigraphy in Westland, New Zealand. *New Zealand Journal of Geology and Geophysics* **44**, 25-35.

Berger G. W. and Doran P. T. (2001) Luminescence-dating zeroing tests in Lake Hoare, Taylor Valley, Antarctica. *Journal of Paleolimnology* **25**, 519-529.

Bhattacharaya M. (2001) Thermoluminescence recorded in a hyperbolic heating profile. *Canadian Journal of Physics* **79**, 1141-1147.

Boenigk W. and Frechen M. (2001) The loess record in sections at Koblenz-Metternich and Tonchesberg in the Middle Rhine area. *Quaternary International* **76-7**, 201-209.

Bøtter-Jensen L. and Murray A. S. (2001) Optically stimulated luminescence techniques in retrospective dosimetry. *Radiation Physics and Chemistry* **61**, 181-190.

Bulur E., Bøtter-Jensen L., and Murray A. S. (2001) Frequency modulated pulsed stimulation in optically stimulated luminescence. *Nuclear Instruments and Methods in Physics Research B* **179**, 151-159.

Bulur E., Bøtter-Jensen L., and Murray A. S. (2001) LM-OSL signals from some insulators: an analysis of the dependency of the detrapping probability on stimulation light intensity. *Radiation Measurements* **33**, 715-719.

Cechak T., Gerndt J., Hirsl P., Jirousek P., J. K., Kubelik M., and Musilek L. (2001) Automation of TL brick dating by ADAM-1. *Radiation Physics and Chemistry* **61**, 729-731.

Cechak T., Gerndt J., Kubelik M., Musilek L., and Pavlik M. (2000) Radiation methods in research of ancient monuments. *Applied Radiation and Isotopes* **53**, 565-570.

Chen R. and Leung P. L. (2001) Nonlinear dose dependence and dose-rate dependence of optically stimulated luminescence and thermoluminescence. *Radiation Measurements* **33**, 475-481.

Chiverrell R. C., Thomas G. S. P., and Harvey A. M. (2001) Late Devensian and Holocene landscape change in the uplands of the Isle of Man. *Geomorphology* **40**, 219-236.

- Correcher V. and Garcia-Guinea J. (2001) On the luminescence properties of adularia feldspar. *Journal of Luminescence* **93**, 303-312.
- Curnoe D., Grün R., Taylor L., and Thackeray F. (2001) Direct ESR dating of a Pliocene hominin from Swartkrans. *Journal of Human Evolution* **40**, 379-391.
- de Lima J. F., Valerio M. E. G., and Okumo E. (2001) Thermally assisted tunneling: an alternative model for the thermoluminescence process in calcite. *Physical Review B* **64**, 4105-4111.
- Dearing J. A., Livingstone I. P., Bateman M. D., and White K. (2001) Palaeoclimate records from OIS 8.0-5.4 recorded in loess-palaeosol sequences on the Matmata Plateau, southern Tunisia, based on mineral magnetism and new luminescence dating. *Quaternary International* **76-7**, 43-56.
- Eitel B., Blümel W. D., Hüser K., and Mauz B. (2001) Dust and loessic alluvial deposits in Northwestern Namibia (Damaraland, Kaokoveld): sedimentology and palaeoclimatic evidence based on luminescence data. *Quaternary International* **76-7**, 57-65.
- Erfut G., Krbetschek M. R., Trautmann T., and Stolz W. (2001) Radioluminescence (RL) probe dosimetry using Al₂O₃:C for precise calibration of beta sources applied to luminescence dating. *Radiation Physics and Chemistry* **61**, 721-722.
- Frechen M., Vliet-Lanoe v., and van den Haute P. (2001) The Upper Pleistocene loess record at Harmignies/Belgium - high resolution terrestrial archive of climate forcing. *Palaeogeography, Palaeoclimatology, Palaeoecology* **173**, 175-195.
- Göksu H. Y. and Schwenk P. (2000) Thermoluminescence dating of terrazzo from the monastery church of Tegernsee (Bavaria, Germany) using the 210°C TL peak of quartz. *Radiation and Environmental Biophysics* **39**, 301-308.
- Göksu H. Y., Schwenk P., and Semiochkina N. (2001) Investigation of the thermal stability of the 210°C TL peak of quartz and dating the components of terrazzo from the monastery church of Tegernsee. *Radiation Measurements* **33**, 785-792.
- Götze J., Plötze M., and Habermann D. (2001) Origin, spectral characteristics and practical applications of the cathodoluminescence (CL) of quartz - a review. *Mineralogy and Petrology* **71**, 225-250.
- Grün R. and Beaumont P. (2001) Border Cave revisited: a revised ESR chronology. *Journal of Human Evolution* **40**, 467-482.
- Guibert P., Vartanian E., Roque C., Schvoerer M., and Bechtel F. (2001) Luminescence dating of burnt materials: effects of preheat treatment on OSL and consequences for dating procedures. *Radiation Measurements* **33**, 439-444.
- Guinea-Garcia J., Correcher V., and Rodriguez-Badiola E. (2001) Analysis of luminescence spectra of leucite (KAlSiO₄). *Analyst* **126**, 911-916.
- Hashimoto T., Fujita H., and Hase H. (2001) Effects of atomic hydrogen and annealing temperatures on some radiation-induced phenomena in differently originated quartz. *Radiation Measurements* **33**, 431-437.
- Hashimoto T., Yamazaki K., Morimoto T., and Sakaue H. (2001) Radiation-induced luminescence color images from some feldspars. *Analytical Sciences* **17**, 825-831.
- Hilgers A., Gehrt E., Janotta A., and Radtke U. (2001) A contribution to the dating of the northern boundary of the Weichselian Loess Belt in Northern Germany by luminescence dating and pedological analysis. *Quaternary International* **76-7**, 191-200.

- Hong D. G., Galloway R. B., Takano M., and Hashimoto T. (2001) Evaluation of environmental dose at JCO using luminescence from quartz stimulated by blue light. *Radiation Protection Dosimetry* **94**, 329-333.
- Huntley D. J. and Lamothe M. (2001) Ubiquity of anomalous fading in K-feldspars and the measurement and correction for it in optical dating. *Canadian Journal of Earth Sciences* **38**, 1093-1106.
- Itoh N., Stoneham D., and Stoneham A. M. (2001) The predose effect in thermoluminescent dosimetry. *Journal of Physics: Condensed matter* **13**, 2201-2209.
- Ivester A. H., Leigh D. S., and Godfrey-Smith D. I. (2001) Chronology of inland eolian dunes on the coastal plain of Georgia. *Quaternary Research* **55**, 283-302.
- Jain M. and Singhvi A. K. (2001) Limits to depletion of blue-green light stimulated luminescence in feldspars: implications for quartz dating. *Radiation Measurements* **33**, 883-892.
- Kaufman D. S., Manley W. F., Wolfe A. P., Hu F. S., Preece S. J., Westgate J. A., and Forman S. L. (2001) The last interglacial to glacial transition, Togiak Bay, southwestern Alaska. *Quaternary Research* **55**, 190-202.
- Kitis G. (2001) TL glow curve deconvolution functions for various kinetic orders and continuous trap distributions: acceptance criteria for E and s values. *Journal of Radioanalytical and Nuclear Chemistry* **247**, 697-703.
- Kiyak N. G. and Bulus, E. (2001) Effect of annealing temperature on determining trap depths of quartz by various heating rates method. *Radiation Measurements* **33**, 879-882.
- Lahitte P., Coulie E., Mercier N., Kidane T., and Gillot P. Y. (2001) K-Ar and TL volcanism chronology of the southern ends of the Red Sea spreading in Afar since 300 ka. *Comptes Rendus de l'Academie des Sciences Serie II* **332**, 13-20.
- Lee J., Spencer J., and Owen L. (2001) Holocene slip rates along the Owens Valley Fault, California: implications for the recent evolution of the Eastern California Shear Zone. *Geology* **29**, 819-822.
- Lepper K., Siggard-Anderson M. L., Agersnap Larsen N., Hammer C. U., and McKeever S. W. S. (2001) Characterization of luminescence properties of insoluble mineral grains extracted from the Greenland Summit GRIP ice core, and their potential for luminescence dating. *Radiation Measurements* **33**, 445-455.
- Lewis S. G., Maddy D., and Scaife R. G. (2001) The fluvial system response to abrupt climate change during the last cold stage: the Upper Pleistocene River Thames fluvial succession at Ashton Keynes, UK. *Global and Planetary Change* **28**, 341-359.
- Li S. H. (2001) Identification of well-bleached grains in the optical dating of quartz. *Quaternary Science Reviews* **20**, 1365-1370.
- Li S. H. and Chen G. (2001) Studies of thermal stability of trapped charges associated with OSL from quartz. *Journal of Physics D - Applied Physics* **34**, 493-498.
- Lian O. B. and Hicock S. R. (2001) Lithostratigraphy and limiting optical ages of the Pleistocene fill in Fraser River valley near Clinton, south-central British Columbia. *Canadian Journal of Earth Sciences* **38**, 839-850.
- Liritzis I. (2000) Advances in thermo- and opto-luminescence dating of environmental materials. *Global Nest* **2**, 29-49.

Liritzis I. (2000) Advances in thermo- and opto-luminescence dating of environmental materials (Sedimentary deposits) Part I: techniques. *Global Nest* **2**, 3-27.

Liritzis I. (2001) Searching for precision of a new "luminescence clock" in dating calcitic rocks. *Journal of Radioanalytical and Nuclear Chemistry* **27**, 727-730.

Liritzis I., Katsanopoulou D., Soter S., and Galloway R. B. (2001) In search of ancient Helike, Gulf of Corinth, Greece. *Journal of Coastal Research* **17**, 118-123.

Martini M. and Sibilia E. (2001) Radiation in archaeometry: archaeological dating. *Radiation Physics and Chemistry* **61**, 241-246.

Novotna V., Kubelik M., and Musilek L. (2001) Program for the evaluation of TL-brick dating: ADAM-1-EVA. *Radiation Physics and Chemistry* **61**, 733-735.

Otvos E. G. and Price D. M. (2001) Late Quaternary inland dunes of southern Louisiana and arid climate phases in the Gulf Coast region. *Quaternary Research* **55**, 150-158.

Pan B. T., Wu G. J., Wang Y. X., Liu Z. G., and Guan Q. Y. (2001) Age and genesis of the Shagou River terraces in eastern Qilian Mountains. *Chinese Science Bulletin* **46**, 509-513.

Poolton N. R. J., Bulur E., Wallinga J., Bøtter-Jensen L., Murray A. S., and Willumsen F. (2001) An automated system for the analysis of variable temperature radioluminescence. *Nuclear Instruments and Methods B* **179**, 575-584.

Poolton N. R. J., Nicholis J. E., Bøtter-Jensen L., Smith G. M., and Riedi P. C. (2001) Observation of free electron cyclotron resonance in NaAlSi₃O₈ feldspar: direct determination of the effective electron mass. *Physica Status Solidid B - Basic Research* **225**, 467-475.

Porter S. C., Singhvi A. K., An Z. S., and Lai Z. P. (2001) Luminescence age and palaeoenvironmental implications of a Late Pleistocene ground wedge on the northeastern Tibetan Plateau. *Permafrost and Periglacial Processes* **12**, 203-210.

Preusser F., Müller B. U., and Schlüchter C. (2001) Luminescence dating of sediments from the Luthern Valley, central Switzerland, and implications for the chronology of the last glacial cycle. *Quaternary Research* **55**, 215-222.

Robbins L. H., Murphy M. L., Brook G. A., Ivester A. H., Campbell A. C., Klein R. G., Milo R. G., Stewart K. M., Downey W. S., and Stevens N. J. (2000) Archaeology, palaeoenvironment and chronology of the Tsodilo Hills White Paintings Rock Shelter, northwest Kalahari Desert, Botswana. *Journal of Archaeological Science* **27**, 1085-1113.

Roberts H. M., Wintle A. G., Maher B. A., and Hu M. Y. (2001) Holocene sediment-accumulation rates in the western Loess Plateau, China, and a 2500-year record of agricultural activity, revealed by OSL dating. *The Holocene* **11**, 477-483.

Roberts R. G., Flannery T. F., Ayliffe L. K., Yoshida H., Olley J. M., Prideaux G. J., Laslett G. M., Baynes A., Smith M. A., Jones R., and Smith B. L. (2001) New ages for the last Australian megafauna: continent-wide extinction about 46,000 years ago. *Science* **292**, 1888-1892.

Santos A. J. J., de Lima J. F., and Valerio M. E. G. (2001) Phototransferred thermoluminescence of quartz. *Radiation Measurements* **33**, 427-430.

Schilles T., Poolton N. R. J., Bulur E., Bøtter-Jensen L., Murray A. S., Smith G., Riedi P. C., and Wagner G. A. (2001) A multi-spectroscopic study of luminescence sensitivity changes in natural quartz induced by high-temperature annealing. *Journal of Physics D - Applied Physics* **34**, 722-731.

Singh W. S., Bhattacharaya M., Singh S. D., and Mazumdar P. S. (2001) On temperature-dependent frequency factor in thermoluminescence measured with a hyperbolic heating profile. *Canadian Journal of Physics* **79**, 1133-1139.

Singhvi A. K., Bluszcz A., Bateman M. D., and Someshwar Rao M. (2001) Luminescence dating of loess-palaeosol sequences and coversands: methodological aspects and palaeoclimatic implications. *Earth Science Reviews* **54**, 193-211.

Thomas M. F., Nott J., and Price D. M. (2001) Late Quaternary stream sedimentation in the humid tropics: a review with new data from NE Queensland, Australia. *Geomorphology* **39**, 53-68.

Törnqvist T. E., Wallinga J., Murray A. S., de Wolf H., Cleveringa P., and de Gans W. (2000) Response of the Rhine-Meuse system (west-central Netherlands) to the last Quaternary glacio-eustatic cycles: a first assessment. *Global and Planetary Change* **27**, 89-111.

Twidale C. R., Prescott J. R., Bourne J. A., and Williams F. M. (2001) Age of desert dunes near Birdsville, southwest Queensland. *Quaternary Science Reviews*. **20**, 1355-1364.

Vanhaelewyn G., Amira S., Debuyst R., Callens F., Gorieux T., Leloup G., and Thierens H. (2001) A critical discussion of the 2nd intercomparison on electron paramagnetic dosimetry with tooth enamel. *Radiation Measurements* **33**, 417-426.

Vanneste K., Berbeeck K., Camelbeeck T., Paulissen E., Meghraoui M., Renardy F., Jongmans D., and Frechen M. (2001) Surface-rupturing history of the Bree fault scarp, Roer Valley graben: evidence for six events since the late Pleistocene. *Journal of Seismology* **5**, 329-359.

Wray R. A. L., Price D. M., and Young R. W. (2001) Thermoluminescence dating of alluvial sequences in coastal valleys of southern New South Wales: problems and potential. *Australian Geographer* **32**, 201-220.

Zhao H., Lu Y. C., Chen J., and Ying G. M. (2001) Fine grain IRSL and GLSL dating of later Quaternary sediments from North China. *Chinese Science Bulletin* **46**, 334-337.