

**Publications in referred journals**

- 1) Owen LA, Finkel RC, Caffee MW, A note on the extent of glaciation throughout the Himalaya during the global Last Glacial Maximum. *Quaternary Science Reviews* **21**, (2002) 147-157.
- 2) Van Der Woerd J, Tapponnier P, *et al.*, Uniform postglacial slip-rate along the central 600 km of the Kunlun Fault (Tibet), from Al-26, Be-10, and C-14 dating of riser offsets, and climatic origin of the regional morphology. *Geophysical Journal International* **148**, (2002) 356-388.
- 3) Owen LA, Finkel RC, Caffee MW, Gualtieri L, Timing of multiple late Quaternary glaciations in the Hunza Valley, Karakoram Mountains, northern Pakistan: Defined by cosmogenic radionuclide dating of moraines. *Geological Society of America Bulletin* **114**, (2002) 593-604.
- 4) Owen LA, Gualtieri L, Finkel RC, Caffee MW, Benn DI, Sharma MC Reply: Cosmogenic radionuclide dating of glacial landforms in the Lahul Himalaya, northern India: defining the timing of Late Quaternary glaciation. *Journal of Quaternary Science* **17**, (2002) 279-281.
- 5) Kim KJ, Sisterson JM, Englert PAJ, Caffee MW, Reedy RC, Vincent J, Castaneda C Experimental cross-sections for the production of Be-10 from natural carbon targets with 40.6 to 500 MeV protons. *Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms* **196**, (2002) 239-244.
- 6) Balco G, Stone JOH, Porter SC, Caffee MW. Cosmogenic-nuclide ages for New England coastal moraines, Martha's Vineyard and Cape Cod, Massachusetts, USA. *Quaternary Science Reviews* **21**, (2002) 2127-2135.
- 7) Honda A, Caffee MW, Miura YN, Nagai H, Nagao K, Nishiizumi K, Cosmogenic nuclides in the Brenham pallasite. *Meteoritics & Planetary Science* **37**, (2002) 1711-1728
- 8) Bierman PR, Caffee MW, Davis PT, Marsella K, Pavich M, Colgan P, Mickelson D, Larsen J, Rates and timing of earth surface processes from in situ-produced cosmogenic Be-10. *Beryllium: Mineralogy, Petrology, and Geochemistry* **50**, (2002) 147-205.
- 9) Briner JP, Kaufman DS, Werner A, Caffee M, Levy L, Manley WF, Kaplan MR, Finkel RC, Glacier readvance during the late glacial (Younger Dryas?) in the Ahklun Mountains, southwestern Alaska. *Geology* **30**, (2002) 679-682.
- 10) Clapp EM, Bierman PR, Caffee M, Using Be-10 and Al-26 to determine sediment generation rates and identify sediment source areas in an arid region drainage basin. *Geomorphology* **45**, (2002) 89-104.
- 11) Colgan PM, Bierman PR, Mickelson DM, Caffee M, Variation in glacial erosion near the southern margin of the Laurentide Ice Sheet, south-central Wisconsin, USA: Implications for cosmogenic dating of glacial terrains. *Geological Society of America Bulletin* **114**, (2002) 1581-1591.
- 12) Lasserre C, Gaudemer Y, Tapponnier P, Meriaux AS, Van der Woerd J, Yuan DY, Ryerson FJ, Finkel RC, Caffee MW, Fast late Pleistocene slip rate on the Leng Long Ling segment of the Haiyuan fault, Qinghai, China. *Journal of Geophysical Research-Solid Earth* **107**, (2002)
- 13) Nichols KK, Bierman PR, Hooke RL, Clapp EM, Caffee M, Quantifying sediment transport on desert piedmonts using Be-10 and Al-26. *Geomorphology* **45**, (2002) 105-125.
- 14) Owen LA, Finkel RC, Caffee MW, A note on the extent of glaciation throughout the Himalaya during the global last glacial maximum. In 'Ice sheets and sea level of the last glacial maximum.' (Eds U Clark Peter and C Mix Alan). (Pergamon. Oxford, United Kingdom. 2002.)

- 15) Schildgen T, Dethier DP, Bierman P, Caffee M, Al-26 and Be-10 dating of late Pleistocene and Holocene fill terraces: A record of fluvial deposition and incision, Colorado Front Range. *Earth Surface Processes & Landforms* **27**, (2002) 773-787.
- 16) Welten KC, Nishiizumi K, Caffee MW, Cosmogenic radionuclides in enstatite chondrites with low Ar-38/Ne-21 exposure age ratios. *Meteoritics & Planetary Science* **37**, (2002) A149-A149.
- 17) Bierman PR, Caffee M, Cosmogenic exposure and erosion history of Australian bedrock landforms. *Geological Society of America Bulletin* **114**, (2002) 787-803.
- 18) Stone JO, Balco GA, Sugden DE, Caffee MW, Sass LC, Cowdery SG, Siddoway C Holocene deglaciation of Marie Byrd Land, West Antarctica. *Science* **299**, (2003) 99-102.
- 19) Partridge TC, Granger DE, Caffee MW, Clarke RJ, Lower Pliocene hominid remains from Sterkfontein. *Science* **300**, (2003) 607-612.
- 20) Welten KC, Caffee MW, Leya I, Masarik J, Nishiizumi K, Wieler R, Noble gases and cosmogenic radionuclides in the Gold Basin L4 chondrite shower: Thermal history, exposure history, and pre-atmospheric size. *Meteoritics & Planetary Science* **38**, (2003) 157-173.
- 21) Owen LA, Spencer JQ, Ma HZ, Barnard PL, Derbyshire E, Finkel RC, Caffee MW, Nian ZY Timing of Late Quaternary glaciation along the southwestern slopes of the Qilian Shan, Tibet. *Boreas* **32**, (2003) 281-291.
- 22) Briner JP, Miller GH, Davis PT, Bierman PR, Caffee M, Last Glacial Maximum ice sheet dynamics in Arctic Canada inferred from young erratics perched on ancient tors. *Quaternary Science Reviews* **22**, (2003) 437-444.
- 23) Kring DA, Gleason JD, Swindle TD, Nishiizumi K, Caffee MW, Hill DH, Jull AJT, Boynton WV, Composition of the first bulk melt sample from a volcanic region of Mars: Queen Alexandra Range 94201. *Meteoritics & Planetary Science* **38**, (2003) 1833-1848.
- 24) Matmon A, Bierman PR, Larsen J, Southworth S, Pavich M, Caffee M, Temporally and spatially uniform rates of erosion in the southern Appalachian Great Smoky Mountains. *Geology* **31**, (2003) 155-158.
- 25) Matmon A, Crouvi O, Enzel Y, Bierman P, Larsen J, Porat N, Amit R, Caffee M, Complex exposure histories of chert clasts in the late Pleistocene shorelines of Lake Lisan, southern Israel. *Earth Surface Processes and Landforms* **28**, (2003) 493-506.
- 26) Matmon A, Bierman PR, Larsen J, Southworth S, Pavich M, Finkel R, Caffee M, Erosion of an ancient mountain range, the Great Smoky Mountains, north Carolina and Tennessee (vol 303, pg 972. *American Journal of Science* **303**, (2003) 972-973.
- 27) Owen LA, Finkel RC, Haizhou M, Spencer JQ, Derbyshire E, Barnard PL, Caffee MW, Timing and style of Late Quaternary glaciation in northeastern Tibet. *Geological Society of America Bulletin* **115**, (2003) 1356-1364.
- 28) Owen LA, Ma HZ, Derbyshire E, Spencer JQ, Barnard PL, Nian ZY, Finkel RC, Caffee MW, The timing and style of Late Quaternary glaciation in the La Ji Mountains, NE Tibet: evidence for restricted glaciation during the latter part of the Last Glacial. *Zeitschrift Fur Geomorphologie* **47**, (2003) 263-276
- 29) Finkel RC, Owen LA, Barnard PL, Caffee MW, Beryllium-10 dating of Mount Everest moraines indicates a strong monsoon influence and glacial synchronicity throughout the Himalaya. *Geology* **31**, (2003) 561-564.

- 30) Jackson GS, Elmore D, Caffee M, Mueller KA, De Bonte B, Muzikar P, Alexander B, Ion source modeling and design at PRIME Lab. *Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms* **223-24**, (2004) 155-160.
- 31) Lal D, Harris NBW, Sharma KK, Gu ZY, Ding L, Liu TS, Dongal WQ, Caffee MW, Jull AJT Erosion history of the Tibetan Plateau since the last interglacial: constraints from the first studies of cosmogenic Be-10 from Tibetan bedrock. *Earth and Planetary Science Letters* **217**, (2004) 33-42.
- 32) Meriaux AS, Ryerson FJ, Tapponnier P, Van der Woerd J, Finkel RC, Xu XW, Xu ZQ, Caffee MW, Rapid slip along the central Altyn Tagh Fault: Morphochronologic evidence from Cherchen He and Sulamu Tagh. *Journal of Geophysical Research-Solid Earth* **109**, -(2004)
- 33) Stone J, Fifield K, *et al.*, Co-precipitated silver-metal oxide aggregates for accelerator mass spectrometry of Be-10 and Al-26. *Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms* **223-24**, (2004) 272-277.
- 34) Yokoyama Y, Caffee MW, Southon JR, Nishiizumi K, Measurements of in situ produced C-14 in terrestrial rocks. *Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms* **223-24**, (2004) 253-258.
- 35) Meriaux AS, Tapponnier P, *et al.* The Aksay segment of the northern Altyn Tagh fault: Tectonic geomorphology, landscape evolution, and Holocene slip rate. *Journal of Geophysical Research-Solid Earth* **110**, -(2005)
- 36) Kaplan MR, Douglass DC, Singer BS, Caffee MW, Cosmogenic nuclide chronology of pre-last glacial maximum moraines at Lago Buenos Aires, 46 degrees S, Argentina. *Quaternary Research* **63**, (2005) 301-315.
- 37) Owen LA, Finkel RC, Barnard PL, Ma HZ, Asahi K, Caffee MW, Derbyshire E, Climatic and topographic controls on the style and timing of Late Quaternary glaciation throughout Tibet and the Himalaya defined by Be-10 cosmogenic radionuclide surface exposure dating. *Quaternary Science Reviews* **24**, (2005) 1391-1411.
- 38) Briner JP, Kaufman DS, Manley WE, Finkel RC, Caffee MW, Cosmogenic exposure dating of late Pleistocene moraine stabilization in Alaska. *Geological Society of America Bulletin* **117**, (2005) 1108-1120.
- 39) Bierman PR, Reuter JM, Pavich K, Gellis AC, Caffee MW, Larsen J, Using cosmogenic nuclides to contrast rates of erosion and sediment yield in a semi-arid, arroyo-dominated landscape, Rio Puerco Basin, New Mexico. *Earth Surface Processes and Landforms* **30**, (2005) 935-953.
- 40) Nishiizumi K, Caffee MW, Finkel RC, Brimhall G, Mote T, Remnants of a fossil alluvial fan landscape of Miocene age in the Atacama Desert of northern Chile using cosmogenic nuclide exposure age dating. *Earth and Planetary Science Letters* **237**, (2005) 499-507.
- 41) Lal D, Gallup CD, Somayajulu BLK, Vacher L, Caffee MW, Jull AJT, Finkel RC, Speed RC, Winters A, Records of cosmogenic radionuclides Be-10, Al-26 and Cl-36 in corals: First studies on coral erosion rates and potential of dating very old corals. *Geochimica Et Cosmochimica Acta* **69**, (2005) 5717-5728.
- 42) Douglass DC, Singer BS, Kaplan MR, Ackert RP, Mickelson DM, Caffee MW, Evidence of early Holocene glacial advances in southern South America from cosmogenic surface-exposure dating. *Geology* **33**, (2005) 237-240.

- 43) Li YK, Harbor J, Stroeven AP, Fabel D, Kleman J, Fink D, Caffee M, Elmore D, Ice sheet erosion patterns in valley systems in northern Sweden investigated using cosmogenic nuclides. *Earth Surface Processes and Landforms* **30**, (2005) 1039-1049.
- 44) Nichols KK, Bierman PR, Caffee M, Finkel R, Larsen J, Cosmogenically enabled sediment budgeting. *Geology* **33**, (2005) 133-136.
- 45) Nichols KK, Bierman PR, Eppes MC, Caffee M, Finkel R, Larsen J, Late Quaternary history of the Chemehuevi Mountain piedmont, Mojave Desert, deciphered using Be-10 and Al-26. *American Journal of Science* **305**, (2005) 345-368.
- 46) Safran EB, Bierman PR, Aalto R, Dunne T, Whipple KX, Caffee M, Erosion rates driven by channel network incision in the Bolivian Andes. *Earth Surface Processes and Landforms* **30**, (2005) 1007-1024.
- 47) Sutton SR, Caffee MW, Dove MT, Synchrotron radiation, neutron, and mass spectrometry techniques at user facilities. *Elements* **2**, (2006) 15-21.
- 48) Welten KC, Nishiizumi K, Caffee MW, Hillegonds DJ, Johnson JA, Julli AJT, Wieler R, Folco L, Terrestrial ages, pairing, and concentration mechanism of Antarctic chondrites from Frontier Mountain, Northern Victoria Land. *Meteoritics & Planetary Science* **41**, (2006) 1081-1094.
- 49) Munroe JS, Laabs BJC, Shakun JD, Singer BS, Mickelson DM, Refsnider KA, Caffee MW, Latest Pleistocene advance of alpine glaciers in the southwestern Uinta Mountains, Utah, USA: Evidence for the influence of local moisture sources. *Geology* **34**, (2006) 841-844.
- 50) Kaplan MR, Singer BS, Douglass DC, Ackert RP, Caffee MW, Comment on: Cosmogenic nuclide chronology of pre-last glacial maximum moraines at Lago Buenos Aires, 46 degrees S, Argentina (Quaternary Research 63/3, 2005, 301-315) - Reply. *Quaternary Research* **66**, (2006) 367-369.
- 51) Owen LA, Caffee MW, Bovard KR, Finkel RC, Sharma MC, Terrestrial cosmogenic nuclide surface exposure dating of the oldest glacial succession in the Himalayan orogen: Ladakh Range, northern India. *Geological Society of America Bulletin* **118**, (2006) 383-392.

#### Abstracts in referred journals

- 52) Bierman PR, Nichols KK, Clapp EM, Matmon A, Caffee M, Finkel R, Tracking landscape-scale sediment generation and transport using in situ produced 10-Be and 26-Al. *Geochimica Et Cosmochimica Acta* **66**, (2002) A77-A77.
- 53) Nishiizumi K, Caffee MW, Exposure histories of C2 carbonaceous chondrites. *Meteoritics & Planetary Science* **37**, (2002) A109-A109.
- 54) Shimaoka A, Kong P, Finkel RC, Caffee MW, Nishiizumi K, The determination of in situ cosmogenic radionuclides in olivine. *Geochimica Et Cosmochimica Acta* **66**, (2002) A709-A709.
- 55) Stone JO, Balco G, Sugden DE, Caffee MW, Siddoway C, Cowdery S, Sass L, 10(3)-10(6) year history of the West Antarctic ice sheet. *Geochimica Et Cosmochimica Acta* **66**, (2002) A745-A745.
- 56) Yokoyama Y, Caffee MW, Finkel RC, Ryerson FJ, Southon JR, Nishizumi K, Extractions of in situ produced C-14 in terrestrial quartz and measurements of C-14 production rate using saturated quartz. *Geochimica Et Cosmochimica Acta* **66**, (2002) A865-A865

- 57) Caffee MW, Accelerator-mass-spectrometry: Where are we now and where will we be in 10 years? *Geochimica Et Cosmochimica Acta* **67**, (2003) A52-A52.
- 58) Welten KC, Nishiizumi K, Hillegonds DJ, Caffee MW, Masarik J, Unraveling the exposure histories of aubrites. *Meteoritics & Planetary Science* **39**, (2004) A113-A113.
- 59) Welten KC, Nishiizumi K, Hillegonds D, Caffee MW, Folco L, Cosmogenic radionuclide evidence of a large and heterogeneous H3-6 chondrite shower: Frontier Mountain 90174. *Meteoritics & Planetary Science* **40**, (2005) A168-A168.
- 60) Welten KC, DiBiase R, Nishiizumi K, Caffee MW, Terrestrial age survey of Antarctic meteorites. *Meteoritics & Planetary Science* **40**, (2005) A168-A168.
- 61) Matmon A, Bierman PR, Larsen J, Southworth S, Pavich M, Finkel R, Caffee M, Grain size dependency of Be-10 concentrations in alluvial sediments in the Great Smoky Mountains. *Geochimica Et Cosmochimica Acta* **69**, (2005) A160-A160.
- 62) Welten KC, Nishiizumi K, Hillegonds DJ, Caffee MW, The complex exposure history of a large L6 chondrite shower from Oman. *Meteoritics & Planetary Science* **41**, (2006) A187-A187
- 63) Welten KC, Nishiizumi K, Folco L, Caffee MW, Cosmogenic radionuclides in a weathered, 2.8 million year old H chondrite found on top of Frontier Mountain, Antarctica. *Meteoritics & Planetary Science* **41**, (2006) A187-A187
- 64) Nishiizumi K, Caffee MW, Constraining the number of lunar and Martian meteorite falls. *Meteoritics & Planetary Science* **41**, (2006) A133-A133.