

9. Quellenverzeichnisse

9.1 Literaturverzeichnis

- Ahnert, F., 2003. Einführung in die Geomorphologie. Stuttgart; 477 pp.
- Aitken, M.J., 1998. An Introduction to Optical Dating. The Dating of Quaternary Sediments by the Use of Photon-stimulated Luminescence. Oxford; 267 pp.
- AK Geomorphologie, 2005. Die Erdoberfläche. Lebens- und Gestaltungsraum des Menschen. Forschungsstrategien und programmatische Leitlinien zukünftiger geomorphologischer Forschung und Lehre. Positionspapier des Arbeitskreises Geomorphologie. Preprint November 2005.
- André, M.-F., 2003. Do periglacial landscapes evolve under periglacial conditions? *Geomorphology*, 52: 149-164.
- Aoki, T. and Hasegawa, H., 2003. Late Quaternary glaciations in the Japanese Alps controlled by sea level changes, monsoon oscillations and topography. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Vol., 130: 195-215.
- Aoyama, M., 2005. Rock glaciers in the northern Japanese Alps: palaeoenvironmental implications since the Late Glacial. *Journal of Quaternary Science*, 20(5): 471-484.
- Asahara, Y., 1999. 87S / 86S variation in north Pacific sediments: a record of the Milancovitch cycle in the past 3 million years. *Earth and Planetary Science Letters*, 171: 453-464.
- Ballantyne, C.K., 1996. Formation of Miniature Sorted Pattern by Shallow Ground Freezing: a Field Experiment. *Permafrost and Periglacial Processes*, 7(4): 409-424.
- Ballantyne, C.K., 1997. Periglacial trimlines in the Scottish Highlands. *Quaternary International*, 38-39: 119-136.
- Ballantyne, C.K., 1998. Age and Significance of Mountain-Top Detritus. *Permafrost and Periglacial Processes*, 9(4): 327-345.
- Ballantyne, C.K. and Harris, C., 1994. The Periglaciation of Great Britain. Cambridge; 330 pp.
- Barrier, E. and Angelier, J., 1986. Active collision in eastern Taiwan: the coastal range. *Tectonophysics*, 125(1): 39-72.
- Barsch, D., 1996. Rockglaciers: indicators for the present and former geoecology in high mountain environments. Berlin; 331 pp.
- Barsch, H. and Billwitz, K., 1990. Geowissenschaftliche Arbeitsmethoden. Thun und Frankfurt/Main; 256 pp.
- Becht, M., 1995. Untersuchungen zur aktuellen Reliefentwicklung in alpinen Einzugsgebieten. *Münchener Geographische Abhandlungen*, A 47: 1-187.
- Benn, D.I. and Lehmkuhl, F., 2000. Mass balance and equilibrium-line altitudes of glaciers in high-mountain environments. *Quaternary International*, 65/66: pp. 15-29.
- Bennett, M.R. and Glasser, N.F., 2000. Glacial Geology. Ice Sheets and Landforms. Chichester; 364 pp.
- Benxing, Z. and Rutter, N.W., 1998. On the problem of Quaternary glaciations, and the extent and patterns of Pleistocene ice cover in the Qinghai-Xizang (Tibet) plateau. *Quaternary International*, 45 / 46: pp. 109-122.
- Beschel, R., 1950. Flechten als Altersmaßstab rezenter Moränen. *Zeitschrift für Gletscherkunde und Glazialgeomorphologie*, 1: 152-161.
- Beschel, R., 1961. Dating rock surfaces by lichen growth and its application in glaciology and physiography (lichenometry). *Geology of the Arctic*, II: 1044-1062.
- Blüthgen, J. and Weischet, W., 1980. Allgemeine Klimageographie. Lehrbuch der Allgemeinen Geographie, Bd. 2. Berlin, New York; 887 pp.
- Bodenkundliche Kartieranleitung, 1994. Hannover.
- Boelhouwers, J.C., 1991. Present-day periglacial activity in the natal Drakensberg: A short Review. *Permafrost and Periglacial Processes*, 2: 5-12.
- Böse, M., 1997. Glacial Landforms in Taiwan and a Reinterpretation of the Last Glacial Snowline Depression. *Supplementi di Geografica Fisica e Dinamica Quaternaria*, Suppl. III(91).
- Böse, M., 2000. Glacial Landforms in Taiwan and a Reinterpretation of the Last Glacial Snowline Depression. In: O. Slaymaker (Editor), *Geomorphology and Human Activity: Their Role in Global Environmental Change*. Wiley, Chichester, pp. pp. 25-41.

- Böse, M., 2004. Traces of glaciation in the high mountains of Taiwan. In: J. Ehlers and P.L. Gibbard (Editors), *Quaternary Glaciations - Extent and Chronology, Part III*. Elsevier.
- Böse, M., 2005. Differenzierte Denudation in Abhängigkeit von Vorzeitrelief, Tektonik und Witterungsergebnissen im Hochgebirge von Taiwan. *Tübinger Geowissenschaftliche Arbeiten*, A 73: 14-16.
- Böse, M., 2006. Geomorphic altitudinal zonation of the high mountains of Taiwan. *Quaternary International*, 147(1): 55-61.
- Böse, M., Hebenstreit, R. and Martens, H., 2000. Zur Gebirgsvergletscherung von Taiwan. In: O. Slaymaker (Editor), *DEUQUA 2000: Eiszeitalter und Alltag. Hauptversammlung in Bern 6.-8.IX.2000, Kurzfassung der Vorträge und Posters*, Bern, Switzerland.
- Boyle, J.S. and Chen, T.-J., 1987. Synoptic aspects of the wintertime East Asian monsoon. In: C.-P. Chang and T.N. Krishnamurti (Editors), *Monsoon meteorology*. Oxford University Press, New York, pp. 125-160.
- Bradley, R.S., 1999. Paleoclimatology. *Reconstructing Climates of the Quarternary*. San Diego, California; London; 613 p. pp.
- Bräuning, A., 1994. Dendrochronology for the last 1400 years in eastern Tibet. *GeoJournal*, 34(1): 75-95.
- Bräuning, A. and Lehmkühl, F., 1996. Geomorphological and dendrochronological investigations of recent glacier fluctuations in eastern and southern Tibet [Glazialmorphologische und dendrochronologische Untersuchungen neuzeitlicher Eisrandlagen Ost- und Süd-Tibets]. *Erdkunde*, 50(4): 341-359.
- Bremer, H., 1989. *Allgemeine Geomorphologie*. Berlin, Stuttgart; 450 pp.
- Brosche, K.-U., 1994. Ergebnisse von Abtragungsmessungen an periglazialen Solifluktionsschuttdecken in vier Hochgebirgen der Iberischen Halbinsel (Picos de Europa, Peña Prieta, Sierra de Urbión und Sierra Nevada). *Eiszeitalter und Gegenwart*, 44: 28-55.
- Brunsdon, D., 1990. Tablets of stone: toward the ten commandments of geomorphology. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Bd., 79: 1-37.
- Brunsdon, D. and Lin, J.-C., 1991. The concept of topographic equilibrium in neotectonic terrains. In: J. Cosgrove and M. Jones (Editors), *Neotectonics and Resources*. Belhaven Press, pp. 120-143.
- Brunsdon, D. and Thornes, J.B., 1979. Landscape sensitivity and change. *Transactions of the Institute of British Geographers*, 4: 463-484.
- Büdel, J., 1981. *Klima-Geomorphologie*. Berlin, Stuttgart; 304 pp.
- Bueh, C., Cubasch, U. and Hagemann, S., 2003. Impacts of global warming on changes in the East Asian monsoon and the related river discharge in a global time-slice experiment. *Climate Research*, 24: 47-57.
- Burbank, D.W., 2002. Rates of erosion and their implications for exhumation. *Mineralogical Magazine*, 66(1): 25-52.
- Burbank, D.W. and Anderson, R.S., 2001. *Tectonic Gomorphology*. Malden, Massachussets; 274 pp.
- Burbank, D.W. et al., 2003. Decoupling of erosion and precipitation in the Himalayas. *Nature*, 426: 652 - 655.
- Camargo, S.J. and Sobel, A.H., 2004. Western North Pacific Tropical Cyclone Intensity and ENSO. *IRI Technical Report*, 04(03): 29.
- Cattin, R., Loevenbruck, A. and Le Pichon, X., 2004. Why does co-seismic slip of the 1999 Chi-Chi (Taiwan) earthquake increase progressively northwestward on the plane of rupture? *Tectonophysics*, 386: 67-80.
- Chang, C.-P., 2004. East Asian Monsoon. *World Scientific Series on Meteorology of East Asia*, Vol. 2. Singapore; 572 pp.
- Chang, C.P., Angelier, J. and Huang, C.Y., 2000. Origin and evolution of a mélange: the active plate boundary and suture zone of the Longitudinal Valley, Taiwan. *Tectonophysics*, 325(1): 43-62.
- Chang, C.-P. and Krishnamurti, T.N., 1987. *Monsoon Meteorology*. New York; 544 pp.
- Chang, C.-S. and Chen, Y.-L., 2004. East Asian Monsoon. *World Scientific Series on Meteorology of east Asia*, 2. Singapore; 572 pp.
- Chang, J.-C. and Slaymaker, O., 2002. Frequency and spatial distribution of landslides in a mountainous drainage basin: Western Foothills, Taiwan. *Catena*, 46: 285-307.
- Charlesworth, J.K., 1957. *The Quaternary Era*, II. London.

- Chen, C.-S. and Chen, Y.-L., 2003. The Rainfall Characteristics of Taiwan. *Monthly Weather Review*, 131(7): 1323–1341.
- Chen, C.-S. and Huang, J.-M., 1999. A Numerical Study of Precipitation Characteristics over Taiwan island during the Winter Season. *Meteorology and Atmospheric Physics*, 70: 167,183.
- Chen, C.-S. and Lin, C.-Y., 1997. A Numerical Study of Airflow over Taiwan Island. *Atmospheric Environment*, 31(3): pp. 463-473.
- Chen, C.-S., Lin, C.-Y., Chuang, Y.-J. and Yeh, H.-C., 2002. A study of afternoon heavy rainfall in Taiwan during the mei-yu season. *Atmospheric Research*, 65(1-2): 129-149.
- Chen, C.-T.A., Liu, J.T. and Tsuang, B.-J., 2004. Island-based catchment - The Taiwan example. *Regional Environmental Change*, 4: 39-48.
- Chen, C.-T.A., Lou, J.-Y. and Wann, J.-K., 1993. Preliminary paleoclimatological records from high mountain lakes in Taiwan. *TAO*, 4(3): 321-329.
- Chen, G.T.-J., 1995. An overview of the heavy rainfall research in the Taiwan Mei-Yu season, The Workshop on Mesoscale Meteorology and Heavy Rain in East Asia, Nov. 7-10, 1995, Fuzhou, China, pp. 2-7.
- Chen, G.T.-J., 1995. An overview of the heavy rainfall research in the Taiwan Mei-Yu season. The Workshop on Mesoscale Meteorology and Heavy rain in East Asia, Nov. 7-10, 1995, Fuzhou, China: 2-7 zit. in Yang et al. 2000.
- Chen, G.T.J. and Yu, C.C., 1988. Study of low-level jet and extremely heavy rainfall over northern Taiwan in the Mei-Yu season. *Monthly Weather Review*, 116: 884-891.
- Chen, H. and Petley, D.N., 2005. The impact of landslide and debris flows triggered by Typhoon Mindulle in Taiwan. *Quarterly Journal of Engineering Geology and Hydrogeology*, 38(3): 301-304.
- Chen, K.-Y. et al., 1999. A study of secular temperature increase in Taiwan compared with global warming. *Geographical Research*, 31: 1-13.
- Chen, M.T. and Huang, C.Y., 1998. Ice-volume forcing of winter monsoon climate in the South China Sea. *Paleooceanography*, 13(6): 622.
- Chen, R.-F. et al., 2005. Large earthquake-triggered landslides and mountain belt erosion: The Tsaoling case, Taiwan. *Comptes Rendus Geosciences*, 337(13): 1164-1172.
- Chen, R.H. and Yang, S.C., 2000. Study on debris-flow triggeres by pore water pressure. In: G.F. Wieczorek and N.D. Naeser (Editors), *Debris-Flow Hazards mitigation: mechanics, prediction, and assessment: proceedings of the Second International Conference on Debris-Flow Hazards Mitigation*, Taipei, Taiwan, 16-18 August 2000. Balkema, Rotterdam, pp. 61-65.
- Chen, Y. and Liu, T., 1996. Sea level changes in the last several thousand years, Penghu Islands, Taiwan Strait. *Quaternary Research*, 45(3): 254-262.
- Chen, Y.-L., Zhang, Y.-X. and Hui, N.B.-F., 1989. Analysis of a surface front during the early summer rainy season over Taiwan. *Monthly Weather Review*, 117(5): 909-931.
- Chen, Y.W., Chen, Y.G., Murray, A.S., Liu, T.K. and Lai, T.C., 2003. Luminscence dating of neotectonic activity on the southwestern coastal plain, Taiwan. *Quaternary Science Reviews*, 22: 1223-1229.
- Cheng, J.D., Lin, L.L. and Lu, H.S., 2002. Influences on forests on water flows from headwater watersheds in Taiwan. *Forest Ecology and Mangement*, 165(1-3): 11-28.
- Cheng, J.D., Su, R.R. and Wu, H.L., 2000. Hydrometeorological and site factors contributing to disastrous debris-flows in Taiwan. In: G.F. Wieczorek and N.D. Naeser (Editors), *Debris-Flow Hazards Mitigation: Mechanics, Prediction and Assessment*. A.A. Balkema, Rotterdam, pp. pp. 583-592.
- Cheng, Y.S., Lee, P.J. and Lee, T.Y., 1999. Self-similarity dimensions of the Taiwan Island landscape. *Computers & Geosciences*, 25(9): pp. 1043-1050.
- Church, M., 2005. Continental drift. *Earth Surface Processes and Landforms*, 30(1): 129-130.
- Cox, N.J., 1992. Precipitation Statistics for Geomorphologists: Variations on a Theme by Frank Ahnert. *Catena Supplement*, 23: 189-212.
- Cui, Z.J. et al., 2002. The Quaternary glaciation of Shesan Mountain in Taiwan and glacial classification in monsoon areas. *Quaternary International*, 97-98: 147-153.
- Cui, Z.J., Yang, C.F., Lin, G.N., Sung, Q.C. and Wang, S., 1999. The Evidences of Quarternary Glaciers in the Alpine Region of ROC. *Chinese Science Bulletin*, 10(44-20): pp. 2219-2224.

- Cui, Z.J., Yang, J., Liu, G., Wang, X. and Song, G., 2000. Discovery of Quartenary glacial evidence of Snow Mountain in Taiwan, China. *Chinese Science Bulletin*, 45(6): pp. 566-571.
- Curry, A.M. and Morris, C.J., 2004. Lateglacial and Holocene talus slope development and rockwall retreat on Mynydd Du, UK. *Geomorphology*, 58(1-4): 85-106.
- Dadson, S.J. et al., 2003. Links between erosion, runoff variability and seismicity in the Taiwan orogen. *Nature*, 426: 648-651.
- Dadson, S.J. et al., 2004. Earthquake-triggered increase in sediment delivery from an active mountain belt. *Geology*, 32: 733-736.
- D'Arrigo, R.D., Jacoby, G.C. and Krusic, P.J., 1994. Progress in Dendroclimatic Studies in Indonesia. *TAO*, 5(3): 349-363.
- Delcaillau, B. et al., 1998. Morphotectonic evidence from lateral propagation of an active frontal fold; Pakuashan anticline, foothills of Taiwan. *Geomorphology*, 24: pp. 263-290.
- Derbyshire, E., 1983. The Lushan Dilemma: Pleistocene Glaciation south of the Chang Jiang (Yangtze River). *Zeitschrift für Geomorphologie N.F.*, 27(4): pp. 445-471.
- Dersch, M. and Stein, R., 1994. Late Cenozoic records of eolian quartz flux in the Sea of Japan (ODP Leg 128, Sites 798 and 799) and paleoclimate in Asia. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 108(3-4): pp. 523-535.
- DIN 9049, T., 1992. Hydrogeologie: Grundbegriffe. Berlin.
- Ding, Z. et al., 1995. Ice-Volume Forcing of East Asian Winter Monsoon Variations in the Past 800.000 Years. *Quaternary Research*, 44: pp. 149-159.
- Dixon, J.C. and Thorn, C.E., 2005. Chemical weathering and landscape development in mid-latitude alpine environments. *Geomorphology*, 67(1-2): 127-145.
- Domrös, M., 2001. Räumliche und zeitliche Variabilität der Sommerniederschläge in China. *Geographische Rundschau*, 53(10): 36-41.
- Domrös, M. and Peng, G., 1988. The Climate of China. Berlin Heidelberg; 361 pp.
- Eisbacher, G.H., 1996. Einführung in die Tektonik. Stuttgart; 374 pp.
- Elsner, J.B. and Liu, K.-b., 2003. Examining the ENSO-typhoon hypothesis. *Climate Research*, 25(1): 43-54.
- Fahey, B.D., 1984. Frost action and hydration as rock weathering mechanisms on schist: a laboratory study. *International Journal of Rock Mechanics and Mining Science & Geomechanics Abstracts*, 21(6): 220.
- Feng, Z.-D., Chen, F.-H., Tang, L.-Y. and Kang, J.-C., 1998. East Asian monsoon climates and Gobi dynamics in marine isotope stages 4 and 3. *Catena*, 33(1): pp. 29-46.
- Fink, A.H. and Speth, P., 1998. Tropical Cyclones. *Naturwissenschaften*, 85(10): 482 - 493.
- Flint, R.F., 1971. Glacial and Quaternary Geology. New York.
- Flohn, H., 1957. Zur Kenntnis des "Monsuns" in Ostasien. *Stuttgarter Geographische Studien*, 69: 263-275.
- Font, Y., 2002. Contribution to the understanding of the westernmost Ryukyu subduction termination into the active arc-continent collision of Taiwan. New insights from seismic reflection analyses and earthquake relocation. *Mémoires Geosciences Montpellier*, 25: 279.
- Frisch, W. and Loeschke, J., 1993. Plattentektonik. Erträge der Forschung, 236. Darmstadt; 243 pp.
- Fritts, H.C., 1965. Tree-ring evidence for climatic changes in western North America. *Monthly Weather Review*, 93(7): 421-443.
- Fritts, H.C., 1976. Tree Rings and Climate. London; 567 pp.
- Fuchs, H.-J., 1999. Der Monsun in Nordostindien. Typisierung der räumlichen und zeitlichen Niederschlagsvariationen. *Geographische Rundschau*, 3: pp. 129-136.
- Fukui, K., 2003. Investigating mountain permafrost distribution by ground temperature measurements in the Tateyama Mountains, the northern Japanese Alps, central Japan. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Vol., 130: 179-193.
- Fuller, C.W., Willet, S.D., Hovius, N. and Slingerland, R.L., 2003. Erosion rates for Taiwan mountain basins: new determination from suspended sediment records and a stochastic model of their temporal variation. *Journal of Geology*, 111: 71-87.
- Furrer, G., 1965. Die subnivale Höhenstufe und ihre Untergrenze in den Bündner und Walliser Alpen. *Geographica Helvetica*, 20: 185-192.
- Gabet, E.J., Burbank, D.W., Putkonen, J.K., Pratt-Sitaula, B.A. and Ojha, T., 2004. Rainfall thresholds for landsliding in the Himalayas of Nepal. *Geomorphology*, 63(3-4): 131-143.

- Garrels, R.M. and Mackenzie, F.T., 1971. Evolution of sedimentary rocks. New York; 397 pp.
- Geitner, C., 1999. Sedimentologische und vegetationsgeschichtliche Untersuchungen an fluvialen Sedimenten in den Hochlagen des Horlachtals (Stubai Alpen / Tirol). Ein Beitrag zur zeitlichen Differenzierung der fluvialen Dynamik im Holozän. Münchener Geographische Abhandlungen, B 31: 1-247.
- Gellatly, A.F., 1982. Lichenometry as a relative-age dating method in Mount Cook National Park, New Zealand. *New Zealand Journal of Botany*, 20: 343-353.
- Gellert, J.F., 1987. China - Natur und Umwelt. *Geographische Bausteine*, Neue Reihe, 29: 1-123.
- Gerrard, A.J., 1990. Mountain Environments: An Examination of the Physical Geography of Mountains. London; 317 pp.
- Geyh, M.A., 2005. Handbuch der physikalischen und chemischen Altersbestimmung. Darmstadt; 211 pp.
- Goudie, A., 1998. Geomorphologie. Ein Methodenhandbuch für Studium und Praxis. Berlin, Heidelberg; 645 pp.
- Grab, S., 2001. Needle Ice Observation from the High Drakensberg, Lesotho. *Permafrost and Periglacial Processes*, 12(2): 227-231.
- Hack, J.T., 1960. Interpretation of erosional topography in humid temperate climates. *American Journal of Science*, 258 A: 80-97.
- Hagedorn, J., 1970. Zum Problem der Glatthänge. *Zeitschrift für Geomorphologie N.F.*, 14(1): 103-113.
- Hagedorn, J., 1980. The mountain periglacial zone and its morphological lower limit. *Zeitschrift für Geomorphologie N.F.*, 36: 96-103.
- Hall, K., 1997. Rock temperatures and implications for cold region weathering: I. New data from Viking Valley, Alexander Island, Antarctica. *Permafrost and Periglacial Processes*, 8(1): 69-90.
- Hall, K., 1999. The role of thermal stress fatigue in the breakdown of rock in cold regions. *Geomorphology*, 31(1-4): 47-63.
- Hall, K. and Andre, M.-F., 2001. New insights into rock weathering from high-frequency rock temperature data: an Antarctic study of weathering by thermal stress. *Geomorphology*, 41(1): 23-35.
- Hall, K., Thorn, C.E., Matsuoka, N. and Prick, A., 2002. Weathering in cold regions: some thoughts and perspectives. *Progress in Physical Geography*, 26(4): 557-603.
- Hanvey, P.M. and Marker, M.E., 1992. Present-day periglacial micro-forms in the Lesotho Highlands: Implications for past climatic conditions. *Permafrost and Periglacial Processes*, 3: 353-361.
- Hartshorn, K., Hovius, N., Dade, B.W. and Slingerland, R.L., 2002. Climate-driven bedrock incision in an active mountain belt. *Science*, 297: 2036-2038.
- Hasegawa, H., 1996. Glacial and periglacial Landforms around Mt. Kasaga-take, Northern Japanese Alps. *Geographical Review of Japan*, 69A(2): pp. 75-101.
- Hay, W.W., 1998. Detrital sediment fluxes from continents to oceans. *Chemical Geology*, 145: pp. 287-323.
- Hebenstreit, R., 2006. Present and former equilibrium line altitudes (ELAs) in the Taiwanese high mountain range. *Quaternary International*, 147(1): 70-75.
- Hebenstreit, R. and Böse, M., 2002. Geomorphological Evidence for a Late Pleistocene Glaciation in the High Mountains of Taiwan Dated with Age Estimates by Optically Stimulated Luminescence (OSL). *Zeitschrift für Geomorphologie*, 130.
- Hebenstreit, R. and Böse, M., 2003. Geomorphological evidence for a Late Pleistocene glaciation in the high mountains of Taiwan dated with age estimates by Optically Stimulated Luminescence (OSL). *Zeitschrift für Geomorphologie N.F.*, Suppl.-Vol. 130: 31-49.
- Hebenstreit, R. and Martens, H., 2000. Vorzeitliche Vergletscherung des Nanhuta Shan, Taiwan. In: S. Ivy Ochs, P. Oberholzer and C. Schlüchter (Editors), *Kurzfassungen der Vorträge und Posters. DEUQUA 2000.*, Bern.
- Hebenstreit, R., Murray, A. and Böse, M., 2006. Late Pleistocene and Early Holocene glaciations in Taiwanese mountains. *Quaternary International*, 147(1): 76-88.

- Hebenstreit, R. and Reißmann, C., 2001. Geomorphologic Evidence of a Late Pleistocene Glaciation in the High Mountains of Taiwan, Abstracts of Scientific Papers and Posters Presented at the IGBP Global Change Open Science Conference 'Challenges of a Changing Earth' 10-13 Juli 2001 in Amsterdam, The Netherlands, pp. 180.
- Heikkinen, O., 1994. Using dendrochronology for the dating of land surfaces. In: C. Beck (Editor), *Dating in exposed and surface contexts*. University of New Mexico Press, Albuquerque, pp. 213-235.
- Heine, K., 1977. Zur morphologischen Bedeutung des Kammeises in der subnivalen Zone randtropischer semihumider Hochgebirge. *Zeitschrift für Geomorphologie N.F.*, 21(1): 57-78.
- Heusser, L. and Morley, J., 1997. Monsoon fluctuations over the past 350 kyr: high-resolution evidence from northeast Asia/northwest Pacific climate proxies (marine pollen and radiolarians). *Quaternary Science Reviews*, 16(6): pp. 565-581.
- Hewitt, K., 1968. The freeze-thaw environment of the Karakoram Himalaya. *Canadian Geography*, 12: 85-98.
- Hilley, G.E. and Strecker, M.R., 2004. Steady state erosion of critical Coulomb wedges with applications to Taiwan and the Himalaya. *Journal of Geophysical Research, B: Solid Earth*, 109(1): B01411 1-17.
- Ho, C.-S. and Lee, C.-N., 1963. Economic minerals of Taiwan. Taipei, Taiwan; 495 pp.
- Ho, S., 1986. A synthesis of the geologic evolution of Taiwan. *Tectonophysics*, 125(1): pp. 1-16.
- Hoelzle, M., 1999. Miniature temperature dataloggers for mapping and monitoring of permafrost in high mountain areas: first experience from the Swiss Alps. *Permafrost and Periglacial Processes*, 10: pp. 113-124.
- Hofmann, J., 1993. Geomorphologische Untersuchungen zur jungquartären Klimaentwicklung des Helan Shan und seines westlichen Vorlandes (Autonomes Gebiet Innere Mongolei/VR China). *Berliner Geographische Abhandlungen*. Berlin; 187 pp.
- Höllermann, P., 1967. Zur Verbreitung rezenter periglazialer Kleinformen in den Pyrenäen und Ostalpen. *Göttinger Geographische Abhandlungen*, 40.
- Höllermann, P., 1976. Probleme der rezenten geomorphologischen Höhenstufung im Rahmen einer vergleichenden Hochgebirgsgeographie. 40 Deutscher Geographentag. Tagungsbericht und wissenschaftliche Abhandlungen.: 61-75.
- Höllermann, P., 1983. Verbreitung und Typisierung von Glatthängen. *Abhandlungen der Akademie der Wissenschaften in Göttingen. Mathematisch-Physikalische Klasse, Dritte Folge*, 35: 241-260.
- Höllermann, P., 1985. The periglacial belt of mid-latitude mountains from a geoecological point of view. *Erdkunde*, 39: 259-270.
- Holtmeier, F.-K., 1985. Die klimatische Waldgrenze - Linie oder Übergangssraum (Ökoton)? Ein Diskussionsbeitrag unter besonderer Berücksichtigung der Waldgrenzen in den mittleren und hohen Breiten der Nordhalbkugel. *Erdkunde*, 39: 271-285.
- Holtmeier, F.-K., 1989. Ökologie und Geographie der oberen Waldgrenze. *Berichte der Reinhold-Tüxen-Gesellschaft*, 1: 15-45.
- Holtmeier, F.-K., 1993. Timberlines as indicators of climatic changes: problems and research needs. *Paläoklimaforschung*, 9: 211-222.
- Honda, S., 1897. Eine Besteigung des Mount Morrison auf der Insel Formosa. *Mitteilungen der deutschen Gesellschaft für Natur- und Völkerkunde (Tokyo)*, 60: 469-473. Nachdruck in *Österreichische Monatsschrift für den Orient* (1897): 143-146.
- Hövermann, J., 1985. Das System der klimatischen Geomorphologie auf landschaftskundlicher Grundlage. *Zeitschrift für Geomorphologie N.F.*, 56: 143-153.
- Hövermann, J., 1987. Morphogenetic Regions in Northeast Xizang (Tibet). In: J. Hövermann and W. Wang (Editors), *Reports on the northeastern part of the Qinghai-Xizang (Tibet) Plateau*, Beijing, pp. 112-139 (zit. in: Hofmann, J. 1993: 61).
- Hövermann, J. and Lehmkühl, F., 1994. Die vorzeitlichen Vergletscherungen in Ost- und Zentraltibet. *Göttinger Geographische Abhandlungen*, 95: 71-114.
- Hovius, N., 2000. Macroscale process systems of mountain belt erosion. In: M.A. Summerfield (Editor), *Geomorphology and Global Tectonics*. John Wiley & Sons Ltd., XXX, pp. 77-105.

- Hovius, N., Lague, D. and Dadson, S.J., 2004. Processes, rates and patterns of mountain-belt erosion. In: P.N. Owens and O. Slaymaker (Editors), *Mountain Geomorphology*. Arnold, London, pp. 109-131.
- Hovius, N., Stark, C.P., Chu, H.-T. and Lin, J.-C., 2000. Supply and removal of sediment in a landslide-dominated mountain belt: Central Range, Taiwan. *Journal of Geology*, 108(1): pp. 73-89.
- Hsieh, C.-F. and Shen, C.-F., 1994. Introduction to the Flora of Taiwan, 1: geography, geology, climate and soils. In: T.-C. Huang (Editor), *Flora of Taiwan. Volume One*, Taipei, pp. 1-4.
- Hsieh, C.-M., 1964. *Taiwan - Ilha Formosa. A Geography in Perspective*. London; 372 pp.
- Hsieh, M.-L. and Knuepfer, P.L.K., 2001. Middle-late Holocene river terraces in the Erhjen River Basin, southwestern Taiwan--implications of river response to climate change and active tectonic uplift. *Geomorphology*, 38(3-4): 337-372.
- Hsu, H.-H. and Chen, C.-T., 2002. Observed and projected climate change in Taiwan. *Meteorology and Atmospheric Physics*, 79(1): 87-104.
- Hu, J., Kawamura, H., Hong, H. and Qi, Y., 2000. A Review of the Currents in the South China Sea: Seasonal Circulation, South China Sea Warm Current and Kuroshio Intrusion. *Journal of Oceanography*, 56: 607-624.
- Huang, T.-C., 1994. *Flora of Taiwan, One*. Taipei; 648 pp.
- Hughes, M.K., 2002. Dendrochronology in climatology - the state of the art. *Dendrochronologia*, 20(1-2): 95-116.
- Hwang, J.-S. and Shen, R.M., 2002. The Evolution of Stream Bed Degradation and Aggradation in Taiwan, 5th International Conference on Hydro-Science & -Engineering, Warsaw.
- Innes, J.L., 1985. Lichenometry. *Progress in Physical Geography*, 9(2): 187-254.
- Inoue, K. and Sase, T., 1996. Paleoenvironmental History of Post-Toya Ash Tephric Deposits and Paleosols at Iwate Volcano, Japan, Using Aeolian Dust Content and Phytolith Composition. *Quaternary International*, 34-36: pp. 127-137.
- Introduction to the Flora of Taiwan. In: T.C. Huang (Editor), 1994. *Flora of Taiwan, Vol. One*. National Science Council of Taiwan, Taipei, pp. 648.
- Ishikawa, M. et al., 2003. Mountain permafrost in Japan: distribution, landforms and thermal regimes. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Vol., 130: 99-116.
- Ishikawa, M. and Hirakawa, K., 2000. Mountain Permafrost distribution based on BTS Measurements and DC Resistivity Soundings in the Daisetsu Mountains, Hokkaido, Japan. *Permafrost and Periglacial Processes*, 11(2): pp. 109-124.
- Ivy Ochs, S., 1996. The dating of rock surfaces using in situ produced ^{10}Be , ^{26}Al and ^{36}Cl , with examples from Antarctica and the Swiss Alps. Dissertation ETH No. 11763 Thesis, ETH Zurich, Zurich, 196 pp.
- Jäsche, P., 1999. Bodenfrost und Solifluktionsdynamik in einem alpinen Periglazialgebiet (Hohe Tauern, Osttirol). *Bayreuther Geowissenschaftliche Arbeiten*, 20: 136.
- Jäsche, P. and Huwe, B., 1997. Bodenfrost und Solifluktion: Messungen im Periglazial der Ostalpen. *Mitteilungen der Deutschen Bodenkundlichen Gesellschaft*, 85(1): 115-118.
- Jäsche, P., Huwe, B. and Stingl, H., 2002. Temporal Variability of Alpine Solifluction. A Modelling approach. *Geographica Helvetica*, 57(3): 157-169.
- Jäsche, P., Veit, H. and Huwe, B., 2003. Snow cover and soil moisture controls on solifluction in an area of seasonal frost, eastern Alps. *Permafrost and Periglacial Processes*, 14: 399-410.
- Jin, H., Li, S., Cheng, G., Shaoling, W. and Li, X., 2000. Permafrost and climatic change in China. *Global and Planetary Change*, 26(4): 387-404.
- Jochimsen, M., 1973. Does the size of lichen thalli really constitute a valid measure for dating glacial deposits? *Arctic and Alpine Research*, 5: 417-424.
- Johnson, R.H. and Houze Jr., R.A., 1987. Precipitating cloud systems of the Asian monsoon. In: C.-P. Chang and T.N. Krishnamurti (Editors), *Monsoon meteorology*. Oxford University Press, New York, pp. 298-353.
- Kamp, U., 1999. Jungquartäre Geomorphologie und Vergletscherung im östlichen Hindukusch, Chitral, Nordpakistan. *Berliner geographische Studien*, 50. Berlin; 254 pp.
- Kano, T., 1932. Preliminary Notes on the Morphology of the High Mountain Lands of Formosa. *The Geographical Review of Japan*, 8(3 & 6): 196-202, 505-520 [in Japanese].

- Kao, S.-J. and Liu, K.-K., 2002. Exacerbation of erosion induced by human perturbation in a typical Oceania watershed: Insight from 45 years of hydrological records from the Lanyang-Hsi River, northeastern Taiwan. *Global Biogeochemical Cycles*, 16(1): 16-1 - 16-7.
- Karte, J., 1979. Räumliche Abgrenzung und regionale Differenzierung des Periglaziärs. *Bochumer Geographische Arbeiten*, 35: 211.
- Karte, J., 1983. Periglacial phenomena and their significance as climatic and edaphic indicators. *GeoJournal*, 7(4): 329-340.
- Keller, E.A. and Pinter, N., 2002. Active Tectonics. *Earthquakes, Uplift, and Landscape*. Upper Saddle River, New Jersey; 362 pp.
- Kelletat, D., 1970. Rezente Periglazialerscheinungen im Schottischen Hochland. Untersuchungen zu ihrer Verbreitung und Vergesellschaftung. *Göttinger Geographische Abhandlungen*, 51: 67-140.
- Khazai, B. and Sitar, N., 2004. Evaluation of factors controlling earthquake-induced landslides caused by Chi-Chi earthquake and comparison with the Northridge and Loma Prieta events. *Engineering Geology*, 71(1-2): 79-95.
- King, L., 1990. Soil and Rock Temperatures in Discontinuous Permafrost: Gornegrat and Unterrothorn, Wallis, Swiss Alps. *Permafrost and Periglacial Processes*, 1(2): 177-188.
- Kious, W.J. and Tilling, R.I., 1996. *This Dynamic Earth: The Story of Plate Tectonics*. Washington, D.C.
- Kirchner, J.W. et al., 2001. Mountain erosion over 10 yr, 10 k.y., and 10 m.y. time scales. *Geology*, 29(7): 591-594.
- Klaer, W., 1962. Die periglaziale Höhenstufe in den Gebirgen Vorderasiens. Ein Beitrag zur Morphogenese der Hochgebirge in den subtropischen Breiten. *Zeitschrift für Geomorphologie*, N.F. 6: 17-32.
- Klose, C., 2006. Climate and geomorphology in the uppermost geomorphic belts of the Central Mountain Range, Taiwan. *Quaternary International*, 147(1): 89-102.
- Knapp, R.G., 1999. The Shaping of Taiwan's Landscapes. In: M.A. Rubinstein (Editor), *Taiwan: a new history*. Sharpe, Armonk, NY, pp. 3-26.
- Kneisel, C., Lehmkuhl, F., Winkler, S., Tressel, E. and Schröder, H., 1998. Legende für geomorphologische Kartierungen in Hochgebirgen (GMK Hochgebirge). *Trierer Geographische Studien*, 18: 1-24.
- Koaze, T., 1965. The patterned grounds on the Daietsu volcanic group, central Hokaido. *Geographical Review of Japan*, 38: 179-199 (in Japanese; zit. in Matsuoka 2003: 151, 156).
- Koaze, T., 1972. Distribution of periglacial landforms and their lowest limit in Japan. *Nihon-chirigakkai-yokoshu* (Abstract Association of Japanese Geographers), 2: 46-47 (zit. in Ono 1984).
- Koizumi, T., 1992. Progress of Research on Periglacial Smooth Slopes in Japan. *Geographical Review of Japan*, 65 A(2): 132-142.
- Konishi, K., Omura, A. and Kimura, T., 1968. $^{234}\text{U}/^{230}\text{Th}$ dating of some late Quaternary coralline limestones from southern Taiwan (Formosa). *Geology and palaeontology of Southeast Asia*, 5: 211-224.
- Kozarski, S., 1963. Problem of Pleistocene Glaciation in the mountains of East China. *Zeitschrift für Geomorphologie* N.F., 7(1): pp. 49-70.
- Krishnamurti, T.N. and Surgi, N., 1987. Observational aspects of summer monsoon. In: C.-P. Chang and T.N. Krishnamurti (Editors), *Monsoon Meteorology*. Oxford University Press, New York, pp. 3-25.
- Kuhle, M., 1987. Physisch-geographische Merkmale des Hochgebirges: Zur Ökologie von Höhenstufen und Höhengrenzen. *Frankfurter Beiträge zur Didaktik der Geographie*, 10: 15-40.
- Kuo, C.M. and Liew, P.M., 2000. Vegetational History and Pollen Analysis of the Toushe Peat Bog, Central Taiwan Since the Last Glacial Maximum. *Journal of the Geological Society of China*, 43(3): 379-392.
- Kuo, Y.-H. and Chen, G.T.-J., 1990. The Taiwan Area Mesoscale Experiment (TAMEX): An Overview. *Bulletin of the American Meteorological Society*, 71(4): 488-503.
- Kuo, Y.-W., 2002. Environmental changes during the Late Quaternary in Taiwan and adjacent seas: an overview of recent results of the past decade (1990-2000). *Western Pacific Earth Sciences*, 2(2): 149-160.

- Lallemand, S.E. and Tsien, H.-H., 1997. An introduction to active collision in Taiwan. *Tectonophysics*, 274: 1-4.
- Lander, M.A., 1996. Specific tropical cyclone track types and unusual tropical cyclone motions associated with a reverse-oriented monsoon trough in the western north Pacific. *Weather Forecast*, 11: 170-186.
- Lautensach, H. and Bögel, R., 1956. Der Jahresgang des mittleren geographischen Höhengradienten der Lufttemperatur in den verschiedenen Klimagebieten der Erde. *Erkunde*, X: 270-282.
- Lawler, D.M., 1988. Environmental limits of needle ice: a global survey. *Arctic and Alpine Research*, 20(2): 137-159.
- Lee, D.H., Tien, K.G. and Juang, C.H., 1996. Full-scale field experimentation of a new technique for protecting mudstone slopes, Taiwan. *Engineering Geology*, 42(1): pp. 51-63.
- Lehmkuhl, F. and Haselein, F., 2000. Quaternary paleoenvironmental change on the Tibetan Plateau and adjacent areas (Western China and Western Mongolia). *Quaternary International*, 65 / 66: pp. 121-145.
- Lehmkuhl, F. and Klinge, M., 2000. Bodentemperaturmessungen aus dem Mongolischen Altai als Indikatoren für periglaziale Geomorphodynamik in hochkontinentalen Gebirgsräumen. *Zeitschrift für Geomorphologie N.F.*, 44(1): pp. 75-102.
- Lehmkuhl, F., Klinge, M., Rees-Jones, J. and Rhodes, E.J., 2000. Late Quaternary aeolian sedimentation in central and south-eastern Tibet. *Quaternary International*, 68-71: pp. 117-132.
- Leser, H., 1977. Feld- und Labormethoden der Geomorphologie. De Gruyter Lehrbuch. Berlin; 446 pp.
- Leser, H. and Stäblein, G., 1975. Geomorphologische Kartierung. Richtlinien zur Herstellung geomorphologischer Karten 1 : 25 000. Berliner Geographische Abhandlungen, Sonderheft: 39.
- Leuschner, C., 1998. Vegetation an der Waldgrenze auf tropischen und subtropischen Inseln. *Geographische Rundschau*, 50(12): 690-697.
- Li (Lee), J.S., 1933. Quarternary glaciation in the Yangtze valley. *Bulletin of the Geological Society of China*, 13: pp. 15-62.
- Li, B., Jian, Z. and Wang, P., 1997. Pulleniania obliquiloculata as a paleooceanographic indicator in the southern Okinawa Trough during the last 20,000 years. *Marine Micropaleontology*, 32(1-2): 56-69.
- Li, F.-C. et al., 2005. Estimates of present-day erosion based on sediment transport in rivers: a case study in Taiwan. *Comptes Rendus Geosciences*, 337(13): 1131-1139.
- Li, Y.H., 1976. Denudation of Taiwan Island since the Pliocene epoch. *Geology*, 4: pp. 105-107.
- Liang, W.-D., Tang, T.Y., Yang, Y.J., Ko, M.T. and Chuang, W.-S., 2003. Upper-ocean currents around Taiwan. *Deep Sea Research Part II: Topical Studies in Oceanography*, 50(6-7): 1085-1105.
- Liew, P.M. and Hsieh, M.L., 2000. Late Holocene (2 ka) sea level, river discharge and climate interrelationship in the Taiwan region. *Journal of Asian Earth Sciences*, 18(4): pp. 499-505.
- Liew, P.M. and Huang, S.Y., 1994. Pollen Analysis and their Paleoclimatic Implication in the Middle Pleistocene Lake Deposits of the Ilan District, Northeastern Taiwan. *Journal of the Geological Society of China*, 37(1): pp. 115-124.
- Liew, P.M. and Huang, S.Y., 1994. A 5000-Year Pollen Record from Chitsai Lake, Central Taiwan. *Terrestrial, Atmospheric and Oceanic Sciences*, 5(3): pp. 411-419.
- Liew, P.M., Huang, S.Y. and Kuo, C.-M., 2003. Holocene Climatic Change of central Taiwan: palynological study of lake sediments. The Joint Symposium on Taiwan Quaternary 5 and on Investigation of Subsurface Geology / Engineering Environment of Taipei Basin. Proceedings:, pp. pp. 107-109.
- Liew, P.M., Kuo, C.-M., Chen, C.T.A. and Lou, J.Y., 1995. Climatic fluctuations during the last several millenia indicated by lake sediments of Taiwan. *Proceedings of the 1995 Nagoya IGBP-PAGES/PEPII Symposium*, Nagoya: 103-108.
- Liew, P.M., Kuo, C.-M., Huang, S.Y. and Tseng, M.-H., 1998. Vegetation change and terrestrial carbon storage in eastern Asia during the Last Glacial Maximum as indicated by a new pollen record from central Taiwan. *Global and Planetary Change*, 16-17: pp. 85-94.
- Liew, P.M., Pirazzoli, P.A. and al., e., 1993. Holocene tectonic uplift deduced from elevated shorelines, eastern Coastal Range of Taiwan. *Tectonophysics*, 222: pp. 55-68.

- Liew, P.M., Shen, C.F. and Huan, S.Y., 1994. Middle Pleistocene Distribution of the Genus *Fagus* Tourn. Ex L. (Fagaceae) in Taiwan. *Journal of the Geological Society of China*, 37(4): pp. 549-560.
- Liew, P.M. and Tseng, M.-H., 1999. Climate Events from the Glacial to the Postglacial and Earth Surface Responses in Taiwan. *Science Reports of Tohoku University, 7th Series (Geography)*, 49(2 (*Special Issue on GLOCOPH '98*)): pp. 183-195.
- Lin, C.C., 1994. The forest fire in the Taataa-jia area of Yushan National Park. *Quarterly Journal of Chinese Forestry*, 27(1): 23-32.
- Lin, C.-H., 2002. Active continental subduction and crustal exhumation: the Taiwan orogeny. *Terra Nova*, 14: 281-287.
- Lin, C.-H. and Roecker, S.W., 1998. Active Crustal Subduction and Exhumation in Taiwan. In: B. Hacker and J.G. Liou (Editors), *When Continents Collide: Geodynamics and geochemistry of Ultralight-Pressure Rocks*. Kluwer Academic Publishers.
- Lin, C.W., Wu, M.C., Shieh, C.L. and Shieh, Y.C., 2000. Influence of geology on debris-flows: Examples from Hsin-Yi, Nantou County, Taiwan. In: G.F. Wieczorek and N.D. Naeser (Editors), *Debris-Flow Hazards Mitigation: Mechanics, Prediction, and Assessment*. Balkema, Rotterdam, pp. pp. 169-176.
- Lin, C.-W. et al., 2004. Impact of Chi-Chi earthquake on the occurrence of landslides and debris flows: example from the Chenyulan River watershed, Nantou, Taiwan. *Engineering Geology*, 71(1-2): 49-61.
- Lin, C.-Y. and Chen, C.-S., 2002. A study of orographic effects on mountain-generated precipitation systems under weak synoptic forcing. *Meteorology and Atmospheric Physics*, 81: 1-25.
- Lin, J.-C., Neotectonic Landforms of the Coastal Range, Eastern Taiwan: An Interpretation of Remote Sensing Data. *Neotectonic Landforms*.
- Lin, J.-C., 2000. Morphotectonic evolution of Taiwan. In: M.A. Summerfield (Editor), *Geomorphology and Global Tectonics*. John Wiley & Sons Ltd., pp. 135-146.
- Lin, J.C., Neotectonic Landforms of the Coastal Range, Eastern Taiwan: An Interpretation of Remote Sensing Data. *Neotectonic Landforms*.
- Lin, J.C., 1994. An Evolutionary Model for the Coastal Range, Eastern Taiwan. In: M.J. Kirkby (Editor), *Process Models and Theoretical Geomorphology*, London, pp. pp. 97-112.
- Lin, J.C., 1996. Coastal modification due to human influence in south-western Taiwan. *Quaternary Science Reviews*, 15(8-9): pp. 895-900.
- Lin, M.L. and Jeng, F.S., 2000. Characteristics of hazards induced by extremely heavy rainfall in Central Taiwan - Typhoon Herb. *Engineering Geology*, 58: pp. 191-207.
- Linyuan, Z., 1989. Some special geomorphic processes of the monsoon area in East China. *Catena*, 16: 121-134.
- Liou, J.-G. and Hsiao, L.Y., 1999. Tectonic Setting and Regional Geology of Taiwan. Report #4 on the Chi-Chi (Taiwan) Earthquake: 7.
- Liu, J.T., Yuan, P.B. and Hung, J.J., 1998. The coastal transition at the mouth of a small mountainous river in Taiwan. *Sedimentology*, 45(5): pp. 803-816.
- Liu, K.-B. and Qiu, H.-L., 1994. Late-Holocene Pollen records of vegetational Changes in China: Climate or Human Disturbance? *TAO*, 5(3): 393-410.
- Liu, T.K., 1982. Tectonic implication of fission track ages from the Central Range, Taiwan. *Proceedings of the Geological Society of China*, 25: 293-302.
- Liu, T.-K., Hsieh, S., Chen, Y.-G. and Chen, W.-S., 2001. Thermo-kinematic evolution of the Taiwan oblique-collision mountain belt as revealed by zircon fission track dating. *Earth and Planetary Science Letters*, 186: 45-56.
- Lo, S.-C., Chen, M.-P. and Fan, J.-C., 1997. Slope stability and geotechnical properties of sediment off the Changyuan area, Eastern Taiwan. *Marine georesources and Geotechnology*, 15(3): pp. 209-229.
- Lo, S.-C., Chen, M.-P. and Fan, J.-C., 1998. Slope stability and geotechnical properties of sediment off the Changyuan area, eastern Taiwan. *Oceanographic Literature Review*, 45(1): pp. 74-74.
- Locke, W.W., Andrews, J.T. and Webber, P.J., 1979. A Manual for Lichenometry. British Geomorphological Research Group, Technical Bulletin, 26.

- Löffler, E., 1986. Macquarie Island - Mt. Wilhelm: Periglazialerscheinungen einer subantarktischen Insel und eines tropischen Hochgebirges im Vergleich. Zeitschrift für Geomorphologie N.F., Suppl.-Bd., 61: 55-64.
- Lou, J.Y. and Chen, C.T.A., 1997. Paleoclimatological and paleoenvironmental records since 4000 BP in the sediments of alpine lakes in Taiwan. Science in China (Series D), 40(4): 424-431.
- Lou, J.Y., Chen, C.T.A. and Wann, J.K., 1997. Paleoclimatological records of Great Ghost Lake in Taiwan. Science in China (Series D), 40(3): 284-292.
- Louis, H. and Fischer, K., 1979. Allgemeine Geomorphologie: Textteil. Lehrbuch der allgemeinen Geographie, Bd. 1. Berlin, New York; 814 pp.
- Louis, H. and Fischer, K., 1979. Allgemeine Geomorphologie: Bilderteil. Lehrbuch der Allgemeinen Geographie, Bd. 1. Berlin, New York; 181 pp.
- Lu, C.-Y., Chu, H.-T. and Lee, J.-C., 1997. Structural Evolution in the Hsüehshan Range, Taiwan. Journal of the Geological Society of China, 40(1): 261-279.
- Lu, H., Huissteden, K.v., An, Z.S., Nugteren, G. and Vandenberghe, J., 1999. East Asia winter monsoon variations on a millennial time-scale before the last glacial-interglacial cycle. Journal of Quaternary Science, 14(2): pp. 101-110.
- Lue, K.Y., 1987. A preliminary study on the ecology of Formosan serow *Capricornis crispus swinhoei*. In: H. Soma (Editor), The biology and management of Capricornis and related mountain antelopes. Croom Helm, New York, pp. 125-133.
- Lui, C.-Z., 1981. Bäuerliche Landwirtschaft in Taiwan. Bonner Studien zur Ländlichen Entwicklung der Dritten Welt, 3.
- Marker, M.E., 1992. Periglacial landforms of Southern Africa compared with those of Colorado and New Mexico, USA. South African Geographical Journal, 74(1): 8-12.
- Martínez, J.I., De Deckker, P. and Barrows, T.T., 1999. Palaeoceanography of the last glacial maximum in the eastern Indian Ocean: planktonic foraminiferal evidence. Palaeography, Palaeoclimatology, Palaeoecology, 147(1-2): pp. 73-99.
- Mathys, H., 1974. Klimatische Aspekte der Frostverwitterung in der Hochgebirgsregion. Mitteilungen der Naturforschenden Gesellschaft in Bern N.F., 31: 49-62.
- Matsuoka, N., 1990. The rate of bedrock weathering by frost action: field measurements and a predictive model. Earth Surface Processes and Landforms, 15(1): 73-90.
- Matsuoka, N., 1994. Continous recording of frost heave and creep on a Japanese alpine slope. Arctic and Alpine Research, 26: 245-254.
- Matsuoka, N., 1996. Soil moisture variability in relation to diurnal frost heaving on Japanese high mountain slopes. Permafrost and Periglacial Processes, 7(2): 139-151.
- Matsuoka, N., 1998a. The Relationship between Frost Heave and Downslope Soil Movement: Field Measurements in The Japanese Alps. Permafrost and Periglacial Processes, 9(2): pp. 121-133.
- Matsuoka, N., 1998b. Modelling Frost Creep Rates in an Alpine Environment. Permafrost and Periglacial Processes, 9(4): pp. 397-409.
- Matsuoka, N., 2001a. Direct observations of frost wedging in Alpine bedrock. Earth Surface Processes and Landforms, 26(6): 601-614.
- Matsuoka, N., 2001b. Solifluction rates, processes and landforms: a global review. Earth Science Reviews, 55: 107-134.
- Matsuoka, N., 2003. Contemporary permafrost and periglaciation in Asian high mountains: an overview. Zeitschrift für Geomorphologie N.F., 130: 145-166.
- Matsuoka, N., 2005. Temporal and spatial variations in periglacial soil movements on alpine crest slopes. Earth Surface Processes and Landforms, 30(1): 41-58.
- Matsuoka, N., Hirakawa, K., Watanabe, T. and Moriwaki, K., 1997. Monitoring of Periglacial Slope Processes in the Swiss Alps: the First Two Years of Frost Shattering, Heave and Creep. Permafrost and Periglacial Processes, 8(2): 155-177.
- Matsuoka, N. and Sakai, H., 1999. Rockfall activity from an alpine cliff during thawing periods. Geomorphology, 28(3-4): 309-328.
- McGreevy, J.P. and Whalley, W.B., 1982. The geomorphic significance of rock temperature variations in cold environments: a discussion. Arctic and Alpine Research, 14(2): 157-162.

- Milliman, J.D. and Syvitski, J.P.M., 1994. Geomorphic/Tectonic Control of Sediment Discharge to the Ocean: The Importance of Small Mountainous Rivers. In: E.a.R.B.o.E.S.a.R. National Research Council / Commission on Geosciences (Editor), *Material Fluxes on the Surface of the Earth. Studies in geophysics*. National Academy Press, Washington, D.C, pp. 74-85.
- Miyoshi, N., Fujiki, T. and Morita, Y., 1999. Palynology of a 250-m core from Lake Biwa: a 430.000 year record of glacial-interglacial vegetation change in Japan. *Review of Palaeobotany and Palynology*, 104(3-4): pp. 267-283.
- Montgomery, D.R. and Brandon, M.T., 2002. Topographic controls on erosion rates in tectonically active mountain ranges. *Earth and Planetary Science Letters*, 201(3-4): 481-489.
- Moores, E.M. and Twiss, R.J., 1995. *Tectonics*. New York; 415 pp.
- Morrill, C., Overpeck, J.T. and Cole, J.E., 2003. A synthesis of abrupt changes in the Asian summer monsoon since the last deglaciation. *The Holocene*, 13(4): 465-476.
- Munsell Soil Color Charts, 1992. Newburgh, New York, NY.
- Murray, A.S. and Olley, J.M., 2002. Precision and accuracy in the optically stimulated luminescence dating of sedimentary quartz: a status review. *Geochronometria*, 21: 1-16.
- Murray, A.S. and Wintle, A.G., 2000. Luminescence dating of quartz using an improved single-aliquot regenerative-dose protocol. *Radiation Measurements*, 32(1): 57-73.
- Naruse, T., Ono, Y., Hirakawa, K., Okashita, M. and Ikeya, M., 1997. Source Areas of Eolian Dust Quartz in East Asia: A Tentative Reconstruction of Prevailing Winds in Isotope Stage 2 Using Electron Spin Resonance. *Geographical Review of Japan*, 70A(1): pp. 15-27.
- Nicholson, D.T. and Nicholson, F.H., 2000. Physical deterioration of sedimentary rocks subjected to experimental freeze-thaw weathering. *Earth Surface Processes and Landforms*, 25(12): 1295-1307.
- Numata, M., 1972. Ecological interpretation of vegetational zonation of high mountains, Particularly in Japan and Taiwan. In: C. Troll (Editor), *Geoecology of the High Mountain Regions of Eurasia*. Franz Steiner Verlag, Wiesbaden, pp. 288-299.
- Oguchi, T., 1994. Late Quaternary Geomorphic Development of Alluvial Fan-Source Basin Systems: the Yamagata Region, Japan. *Geographical Review of Japan*, 67 (Ser. B)(2): pp. 81-100.
- Oguchi, T., 1995. A Morphometric Approach to Post-Glacial Channel Development in the Mountains of Central Japan. *Geographical Review of Japan*, 68 (Ser. B)(2): pp. 151-165.
- Oguchi, T., 1996. Factors affecting the magnitude of post-glacial hillslope incision in Japanese mountains. *Catena*, 26(3-4): pp. 171-186.
- Oguchi, T. and Tanaka, Y., 1998. Occurrence of extrazonal periglacial landforms in the lowlands of western Japan and Korea. *Permafrost and Periglacial Processes*, 9(3): 285-294.
- Ohmori, H., 1978. Relief Structure of the Japanese mountains and their stages in geomorphic development. *Bulletin Department of Geography, University of Tokyo*, 10: pp. 31-85.
- Ohmori, H., 1983. Characteristics of the erosion rate in the Japanese mountains from the viewpoint of climatic geomorphology. *Zeitschrift für Geomorphologie*, Supplementband 46: pp. 1-14.
- Ohsawa, M., 1993. Latitudinal pattern of mountain vegetation zonation in southern and eastern Asia. *Journal of Vegetation Science*, 4: 13-18.
- O'Neal, M.A. and Schoenenberger, K.R., 2003. A Rhizocarpon geographicum growth curve for the Cascade Range of Washington and northern Oregon, usa. *Quaternary Research*, 60(2): 233-241.
- Ono, Y., 1984. Last Glacial Paleoclimate Reconstructed from Glacial and Periglacial Landforms in Japan. *Geographical Review of Japan*, 57 (Ser. B)(1): pp. 87-100.
- Ono, Y., 1988. Last Glacial Snowline Altitude and Paleoclimate of the Eastern Asia. *The Quaternary Research*, 26(3): 271-280.
- Ono, Y., 1991. Glacial and Periglacial Palaeoenvironments in the Japanese Islands. *Quaternary Research*, 30(2): pp. 203-211.
- Ono, Y., Aoki, T., Hasegawa, H. and Dali, L., 2005. Mountain glaciation in Japan and Taiwan at the global Last Glacial Maximum. *Quaternary International*, 138-139: 79-92.
- Ono, Y. and Hirakawa, K., 1975. Glacial and periglacial morphogenetic environments around the Hidaka Range in the Würm glacial age. *Geographical Review of Japan*, 48(1): pp. 1-26.
- Ono, Y. and Irino, T., 2004. Southern migration of westerlies in the Northern Hemisphere PEP II transect during the Last Glacial Maximum. *Quaternary International*, 118-119: 13-22.

- Ono, Y. and Naruse, T., 1997. Snowline elevation and eolian dust flux in the Japanese Islands during isotope stages 2 and 4. *Quaternary International*, 37: 45-54.
- Ono, Y., Shulmeister, J., Lehmkuhl, F., Asahi, K. and Aoki, T., 2004. Timing and causes of glacial advances across the PEP-II transect (East-Asia to Antarctica) during the last glaciation cycle. *Quaternary International*, 118-119: 55-68.
- Outcalt, S.I., 1971. An algorithm for needle ice growth. *Water Resources Research*, 7: 394-400.
- Pan, P.S., 1972. Precipitation in Taiwan mountainous areas. *WMO Distribution of Precipitation in Mountainous Areas*, 2: 307-321.
- Panzer, W., 1935. Eiszeitspuren auf Formosa. *Zeitschrift für Gletscherkunde*, 23(1-3): 81-91.
- Patrick, A. and Thunell, R., 1997. Tropical Pacific sea surface temperatures and upper water column thermal structure during the last glacial maximum. *Paleooceanography*, 12(5): pp. 649-657.
- Pazzagali, F.J. and Knuepfer, P.L.K., 2001. Steady-State Orogens: Preface. *American Journal of Science*, 301(4/5): ix-xi.
- Pech, P. et al., 2003. A lichenometric growth curve in the French Alps: Ailefroide and Veneon valleys; Massif des Ecrins. *Geodinamica Acta*, 16(2-6): 187-193.
- Peng, T.H., Li, Y.H. and Wu, F.T., 1977. Tectonic uplift rates of the Taiwan Island since the early Holocene. *Memoir of the Geological Society of China*, 2: 57-69.
- Petley, D.N., 2004. The role of landslides in the denudation of the Central Mounatins of Taiwan. *Sino-German Quaternary Symposium* in Taipei, Taiwan, March 2004. Abstracts: 23.
- Pope, G.A., Dorn, R.I. and Dixon, J.C., 1995. A new conceptual model for understanding geographical variations in weathering. *Annals of the Association of American Geographers*, 85(1): 38-64.
- Porter, S.S. and An, Z.S., 1995. Correlation between climate events in the North Atlantic and China during the last glaciation. *Nature*, 375: pp. 305-308.
- Pörtge, K.-H. and Hagedorn, J. (Editors), 1989. *Beiträge zur Fluvialen Morphodynamik*. Göttinger Geographische Abhandlungen, 86. Verlag Erich Goltze GmbH & Co. KG, Göttingen, 143 pp.
- Presscott, J.R. and Robertson, G.B., 1997. Sediment dating by luminescence: A Review. *Radiation Measurements*, 27: 893-922.
- Preu, C. and Engelbrecht, C., 1988. Steuerungsfaktoren der rezenten Morphodynamik an den Küsten Sri Lankas und Taiwans - Versuch einer Küstenklassifikation. *Hamburger Geographische Studien*, 44: 73-83.
- Preusser, F., 1999. Lumineszenzdatierung fluviatiler Sedimente. Fallbeispiele aus der Schweiz und Norddeutschland. *Kölner Forum für Geologie und Paläontologie*, 3: pp. 1-62.
- Pye, K., 1995. The nature, origin and accumulation of loess. *Quaternary Science Reviews*, 14(7-8): 653-667.
- Qian, W. and Zhu, Y., 2002. Little Ice Age Climate near Beijing, China, Inferred from Historical and Stalagmite Records. *Quaternary Research*, 57: 109-119.
- Rabatel, A., Jomelli, V., Naveau, P., Francou, B. and Grancher, D., 2005. Dating of Little Ice Age glacier fluctuations in the tropical Andes: Charquini glaciers, Bolivia, 16[deg]S. *Comptes Rendus Geosciences*, 337(15): 1311-1322.
- Rapp, A., 1960. Recent development of mountain slopes in Kärkevagge and surroundings, northern Scandinavia. *Geografiska Annaler*, 42: 65-200.
- Rathjens, C., 1981. Terminologische und methodische Fragen der Hochgebirgsforschung. *Geographische Zeitschrift*, 69: 67-77.
- Reiners, P.W., Ehlers, T.A., Mitchell, S.G. and Montgomery, D.R., 2003. Coupled spatial variations in precipitation and long-term erosion rates across the Washington Cascades. *Nature*, 426: 645-647.
- Reißmann, C. and Böse, M., 2002. Spurensuche im Hochgebirge von Taiwan. Was uns die Landschaft über das Klima sagen kann. *Berliner Geographische Abhandlungen*, Reihe A, Sonderband: 99-105.
- Ren, B., 1980. On the Problem of Quaternary Glaciation and Periglacial Phenomena in Mountains near Lanzhou. *Journal of Glaciology and Cryopedology*, 3: 19-25 (in Chinesisch; zit. in Rost 1998).
- Ren, G. and Beug, H.-J., 2002. Mapping Holocene pollen data and vegetation of China. *Quaternary Science Reviews*, 21(12-13): 1395-1422.

- Richards, B.W.M., 2000. Luminescence dating of Quaternary sediments in the Himalaya and High Asia: A practical guide to its use and limitations for constraining the timing of glaciation. *Quaternary International*, 65-66: pp. 49-62.
- Richter, D., 1995. Ergebnisse methodischer Untersuchungen zur Korrektur des systematischen Messfehlers des Hellmann-Niederschlagsmessers. *Berichte des Deutschen Wetterdienstes*, 194: 93.
- Richter, M., 1996. Klimatologische und pflanzenmorphologische Vertikalgradienten in Hochgebirgen. *Erdkunde*, 50: 205-237.
- Richthofen, F.F.v., 1860. Über den Gebirgsbau an der Nordküste von Formosa. *Zeitschrift der Deutschen Geologischen Gesellschaft*, 12: 532-545.
- Richthofen, W.F.v., 1902. Über eine Reise durch Formosa 1900. *Zeitschrift der Gesellschaft für Erdkunde zu Berlin*: 293-304.
- Rolshoven, M., 1987. Morphodynamische Aspekte der Risikoerfassung und Risikoabwägung in jungen Gebirgen: Beispiel Taiwan. 46. Deutscher Geographentag München 12. bis 16. Oktober 1987. Tagungsbericht und wissenschaftliche Abhandlungen: 547-551.
- Rolshoven, M., 1993. A field trip to Taiwan in 1933. *Geographical Research*. Department of Geography, National Taiwan Normal University, 20: 147-156.
- Rost, K.T., 1992. Geomorphologische Höhenstufen im Qinling Shan (VR China) unter besonderer Berücksichtigung der jungpleistozänen Vergletscherungen. *Göttinger Geographische Abhandlungen*, 97.
- Rost, K.T., 1994. Paleoclimatic Field Studies in and along the Qingling Shan (Central China). *GeoJournal*, 34(1): pp. 107-120.
- Rost, K.T., 2000. Pleistocene paleoenvironmental changes in the high mountain ranges of central China and adjacent regions. *Quaternary International*, 65 / 66: pp. 147-160.
- Schäfer, D. and Domrös, M., 2000. Recent temperature trends in Taiwan and their spatial and temporal variabilities. In: T. Mikami (Editor), *Proceedings of the International Conference on Climate Change and Variability - Past, Present and Future*, pp. 177-184.
- Schaller, M. et al., 2005. Fluvial bedrock incision in the active mountain belt of Taiwan from in situ-produced cosmogenic nuclides. *Earth Surface Processes and Landforms*, 30(8): 955-971.
- Scheffer, F. and Schachtschabel, P., 2002. *Lehrbuch der Bodenkunde*. Heidelberg, Berlin; 593 pp.
- Schreiner, A., 1992. *Einführung in die Quartärgeologie*. Stuttgart; 257 pp.
- Schrott, L., Niederheide, A., Hankammer, M., Hufschmidt, G. and Dikau, R., 2002. Sediment storage in a mountain catchment: geomorphic coupling and temporal variability (Reintal, Bavarian Alps, Germany). *Zeitschrift für Geomorphologie N.F.*, Suppl.-Bd., 127: 175-196.
- Semmel, A., 1985. Periglazialmorphologie. *Ergebnisse der Forschung*, 231. Darmstadt; 116 pp.
- Seno, T., 1977. The instantaneous rotation vector of the Philippine Sea plate relative to the Eurasian plate. *Tectonophysics*, 42: 209-226.
- Seno, T., Stein, S. and Gripp, A.E., 1993. A model for the plate motion of the Philippine Sea Plate consistent with VUVEL-1 and geological data. *Journal of Geophysical Research*, 98: 17941-17948.
- Sevruk, B., 1985. Systematischer Niederschlagsmessfehler in der Schweiz. *Beiträge zur Geologie der Schweiz / Hydrologie*, 31: 65-75.
- Shackleton, N.J., Berger, A. and Peltier, W.R., 1990. An alternative astronomical calibration of the lower Pleistocene timescale based on ODP Site 677. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, 81: 251-261.
- Sheh, C.-S., Wang, M.-K. and (zit. in: *Introduction to the Flora of Taiwan*, V.O., 2. Aufl.), 1991. *An Atlas of Major Soils of Taiwan*; 343 pp.
- Sheng, H., Noriyuki, O. and Lu, H., 1999. *The Mammalian of China*. Beijing; 297 pp.
- Sheu, D.D., Kou, P. and Chen, M.J., 1996. Variability of tree-ring $d_{13}C$ in Taiwan fir: Growth effect and response to May–October temperatures. *Geochimica et Cosmochimica Acta*, 60(1): 171-177.
- Shi, Y., 1992. Glaciers and glacial geomorphology in China. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Bd., 86: pp. 51-63.
- Shi, Y., Zheng, B. and Li, S., 1992. Last glaciation and maximum glaciation in the Qinghai-Xizang (Tibet) Plateau: A controversy to M. Kuhle's ice sheet hypothesis. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Bd., 84: pp. 19-35.

- Shimizu, C., 1992. Altitudinal Boundary between Periglacial and Non-Periglacial Zones in the Last Glacial Age Reconstructed from Distribution of Periglacial Slopes and Pleistocene Tephra Layers, Northeastern Japan. *Geographical Review of Japan*, 65A(2): 158-167.
- Slaymaker, O., 1991. Mountain geomorphology: A theoretical framework for measurement programmes. *Catena*, 18: 427-437.
- Small, E.E., Anderson, R.S., Repka, J.L. and Finkel, R., 1997. Erosion rates of alpine bedrock summit surfaces deduced from in situ ^{10}Be and ^{26}Al . *Earth and Planetary Science Letters*, 150(3-4): 413-425.
- Spreitzer, H., 1960. Hangformung und Asymmetrie der Bergrücken in den Alpen und im Taurus. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Bd., 1: 211-236.
- Starkel, L., 1998. Geomorphic response to climatic and environmental changes along a Central Asian transect during the Holocene. *Geomorphology*, 23: pp. 293-305.
- Steinfatt, E., 1988. The Holocene History of the Valley between Hualien and Taitung, Eastern Taiwan. *Geologisches Jahrbuch, Reihe B: Regionale Geologie Ausland*, 69: 3-34.
- Stöpel, K.T., 1905. Eine Reise in das Innere der Insel Formosa und die erste Besteigung des Niitakeyama (1898). Buenos Aires; 104 pp.
- Su, H.-H. and Lee, L.-L., 2001. Food Habits of Formosan Rock Macaques (*Macaca cyclopis*) in Jentse, Northeastern Taiwan, Assessed by Fecal Analysis and Behavioral Observation. *International Journal of Primatology*, 22(3): 359-377.
- Sugai, T., 1992. Low-Relief Erosion Surfaces Formed by Periglacial Processes in the Alpine Zone of the Akaishi Mountains, Central Japan: Quantitative Analysis Based on the Process-Response Model. *Geographical Review of Japan*, 65A(2): 168-179.
- Summerfield, M.A., 2005. The changing landscape of geomorphology. *Earth Surface Processes and Landforms*, 30(6): 779-781.
- Sumner, P., 2003. A contemporary winter ground thermal profile in the Lesotho highlands and implications for active and relict soil frost phenomena. *Earth Surface Processes and Landforms*, 28(13): 1451-1458.
- Sun, X. and Chen, Y., 1991. Palynological records of the last 11,000 years in China. *Quaternary Science Reviews*, 10: 537-544.
- Suppe, J., 1981. Mechanics of mountain building and metamorphism in Taiwan. *Memoir of the Geological Society of China*, 4: 67-89.
- Suzuki, I., 1992. Movements of Surface Gravels on Bare Ground in the Tanigawa Mountains, Central Japan, Showing the Relationships between periglacial and Non-Periglacial Processes. *Geographical Review of Japan*, 65 A(2): 75-91.
- Suzuki, T., 1938. A Vegetational Sketch of the Eastern Slopes of Mt. Tyûôsenzan, One of the Peaks in the Central Range of Taiwan. *Bulletin of the Biogeographical Society of Japan*, 8(13): 177-195.
- Suzuki, T., 1953. The Forest Climaxes of East Asia. *Japanese Journal of Botany*, 14: 1-12.
- Sweda, T., 1994. Dendroclimatological reconstruction for the last sub-millennium in central Japan. *TAO*, 5(3): 431-442.
- Swinhoe, R., 1858/59. Narrative of a visit to the island of Formosa. *Journal of the North China Branch of the Royal Asiatic Society*: 145-164. Zit. in: Hall, P. (1999): The published writings of Robert Swinhoe (1836-1877). URL: <http://home.gwi.net/~pineking/RS/MAINLIST.htm>, abgerufen am 22.11.2005.
- Tada, F., 1934. Relation between the altitude and relief energy of the mountain. *Geographical Review of Japan*, 10: 939-967.
- Tada, R., Irino, T. and Koizumi, I., 1999. Land-ocean linkages over orbital and millennial timescales recorded in late Quaternary sediments of the Japan Sea. *Paleooceanography*, 14(2): pp. 236-247.
- Takemura, K. et al., 2000. Stratigraphy of multiple piston.core sediments for the last 30.000 years from Lake Biwa, Japan. *Journal of Paleolimnology*, 23(2): pp. 185-199.
- Tanaka, K., 1934. Some notes of Nankotaizan, "Sangaku". *The Journal of the Japanese Alpine Club*, XXIX(1): 25-56 (zit. in Panzer 1935: 88).
- Tanaka, K. and Kano, T., 1934. Glacial topographies in the Nankotaizan Mountain group in Taiwan. *Geographical Review*, X(3): pp. 169-190.

- Tanaka, M., 1976. Rate of Erosion in the Tanzawa Mountains, Central Japan. *Geografiska Annaler*, 3: 155-163.
- Tang, B., Li, J. and Liu, S., 1994. Basic features of glacial landforms in the Minshan. *Göttinger Geographische Abhandlungen*, 95: 233-241.
- Tao, S. and Chen, L., 1987. A review of recent research on the East Asian summer monsoon in China. In: C.-P. Chang and T.N. Krishnamurti (Editors), *Monsoon Meteorology*. Oxford University Press, New York, pp. 60-92.
- Thorn, C.E., 1992. Periglacial Geomorphology: What, Where, When? In: J.C. Dixon and A.D. Abrahams (Editors), *Periglacial Geomorphology*. The Binghampton Symposia in Geomorphology, pp. 1-30.
- Thorn, C.E., Schlyter, J.P.L., Darmody, R.G. and Dixon, J.C., 1999. Statistical Relationships Between Daily and Monthly Air and Shallow-Ground Temperatures in Kärkevagge, Swedish Lapland. *Permafrost and Periglacial Processes*, 10(4): 317-330.
- Troll, C., 1943. Die Frostwechselhäufigkeit in den Luft- und Bodenklimaten der Erde. *Meteorologische Zeitschrift*, 60: 161-171.
- Troll, C., 1944. Strukturböden, Solifluktion und Frostklima der Erde. *Geologische Rundschau*, 34(7/8): 545-694.
- Troll, C., 1947. Die Formen der Solifluktion und die periglaziale Bodenabtragung. *Erdkunde*, 1: 162-175.
- Troll, C., 1954. Über das Wesen der Hochgebirgsnatur. *Jahrbuch des Deutschen Alpenvereins*, 80: 142-157.
- Troll, C., 1959. Die tropischen Gebirge. *Bonner Geographische Abhandlungen*, 25.
- Troll, C., 1973. High mountain belts between the polar caps and the equator: their definition and lower limit. *Arctic and Alpine Research*, 5(3/2): A 19-27.
- Tsai, C.-H., 2004. Similarities Between Tongyong Pinyin and Hanyu Pinyin: Comparisons at the Syllable and Word Levels. <http://research.chtsai.org/papers/pinyin-comparison.html>.
- Tsai, e.a., 1987. zit. in Petley (1996) Online.
- Tsay, C.-Y., 1994. Orography Effects on the Structure of Typhoons: Analyses of Two Typhoons Crossing Taiwan. *TAO*, 5(2): 313-333.
- Tsou, P.S. and Liu, T.K., 1996. Temperature in Taiwan during the last 300 years as reconstructed from tree-ring records. In: J.S. Dean, D.M. Meko and T.W. Swetnam (Editors), *Tree Rings, Environment and Humanity*. Radiocarbon, pp. 325-334.
- Tucker, M., 1996. Methoden der Sedimentologie. Stuttgart; 366 pp.
- Veit, H. and Höfner, T., 1993. Permafrost, gelifluction and fluvial sediment transfer in the alpine/subnival ecotone, central Alps, Austria: Present, past and future. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Bd., 92: 71-84.
- Veit, H., Stingl, H., Emmerich, K.-H. and John, B., 1995. Zeitliche und räumliche Variabilität solifluidaler Prozesse und ihre Ursachen. Ein Zwischenbericht nach acht Jahren Solifluktionsmessungen (1985-1993) an der Meßstation "Glorer Hütte", Hohe Tauern, Österreich. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Bd., 99: 107-122.
- Verstappen, H.T., 1997. The effect of climatic change on southeast Asian geomorphology. *Journal of Quaternary Science*, 12(5): pp. 413-418.
- Vieira, G.T., Mora, C. and Ramos, M., 2003. Ground temperature regimes and geomorphological implications in a Mediterranean mountain (Serra da Estrela, Portugal). *Geomorphology*, 52: 57-72.
- Vita-Finzi, C., 2000. Deformation and seismicity of Taiwan. *PNAS*, 97(21): 11176-11180.
- Walter, H., 1973. Die Vegetation der Erde in öko-physiologischer Betrachtung. Band 1: Die tropischen und subtropischen Zonen. Stuttgart; 743 pp.
- Wang, K.P. and Chen, P.C., 1981. Notes on the Formosan serow (*Capricornis crispus swinhoei*) at Taipei Zoo. *International Zoo Yearbook*, 21: 201-202 (zit. in Huffmann, B., 2004).
- Wang, P. and Sun, X., 1994. Last Glacial Maximum in China: comparison between land and sea. *Catena*, 23: pp. 341-353.
- Wang, S., 1994. Cold Periods During the Last Millenium. *TAO*, 5(3): 383-392.
- Wang, S. and Gong, D., 2000. Climate in China during four special periods in Holocene. *Progress in Natural Science*, 10(5): 379-386.

- Wang, W.-N. et al., 2003. Mass movements caused by recent tectonic activity: The 1999 Chih-chi earthquake in central Taiwan. *The Island Arc*, 12: 325-334.
- Wang, X., Yang, J. and Guo, C., 2000. Quaternary glacial landform studies in the cirques of Shesan (III), 89th Research Report of Shepa National Park, pp. 78 (in Chinesisch). Zit. in. Ono et al. 2005.
- Wang, Y. and Wu, C.-C., 2004. Current understanding of tropical cyclone structure and intensity changes - a review. *Meteorology and Atmospheric Physics*, 87(4): 257-278.
- Waragai, T., 1999. Weathering processes on rock surfaces in the Hunza Valley, Karakoram, North Pakistan. *Zeitschrift für Geomorphologie N.F.*, Suppl.-Bd., 119: 119-136.
- Washburn, A.L., 1973. Periglacial processes and environments. London; 320 pp.
- Washburn, A.L., 1979. *Geocryology: a Survey of Periglacial Processes and Environments*. London; 406 pp.
- Wei, K. and Gasse, F., 1999. Oxygen isotopes in lacustrine carbonates of West China revisited: implications for post glacial changes in summer monsoon circulation. *Quaternary Science Reviews*, 18: pp. 1315-1334.
- Wei, K.-Y., 2002. Environmental changes during the Late Quaternary in Taiwan and adjacent seas: an overview of recent results of the past decade (1990-2000). *Western Pacific Earth Sciences*, 2(2): 149-160.
- Weijian, Z. et al., 1996. Variability of Monsoon Climate in East Asia at the End of the Last Glaciation. *Quaternary Research*, 46: pp. 219-229.
- Weischet, W. and Endlicher, W., 2000. *Regionale Klimatologie. Teil 2: Die Alte Welt*. Teubner Studienbücher der Geographie. Stuttgart; Leipzig; 625 pp.
- Weise, O.R., 1983. *Das Periglazial*. Berlin.
- Wilhelmy, H., 1975. Die klimamorphologischen Zonen und Höhenstufen der Erde. *Zeitschrift für Geomorphologie*, N.F., 19: 353-376.
- Willet, S.D. and Brandon, M.T., 2002. On steady states in mountain belts. *Geology*, 30(2): 175-178.
- Willet, S.D., Slingerland, R.L. and Hovius, N., 2001. Uplift, shortening, and steady state topography in active mountain belts. *American Journal of Science*, 301(4/5): 455-485.
- Winchester, V. and Chaujar, R.K., 2002. Lichenometric dating of slope movements, Nant Ffrancon, North Wales. *Geomorphology*, 47(1): 61-74.
- Winchester, V. and Harrison, S., 2000. Dendrochronology and lichenometry: colonization, growth rates and dating of geomorphological events on the east side of the North Patagonian Icefield, Chile. *Geomorphology*, 34(3-4): 181-194.
- Winkler, M.G. and Wang, P.K., 1993. The late Quaternary vegetation and climate of China. In: W.H.E.J. Wright et al. (Editors), *Global Climates Since The Last Glacial Maximum*, London, pp. pp. 221-264.
- Wu, C.-C. and Kuo, Y.-H., 1999. Typhoons Affecting Taiwan: Current Understanding and Future Challenges. *Bulletin of the American Meteorological Society*, 80(1): 67-80.
- Wu, X., 1994. Tree-Ring Width Chronologies and Their Response to Climate in the Qinling Mountains, China. *TAO*, 5(3): 365-372.
- Yamada, S., Matsumoto, H. and Hirakawa, K., 2000. Seasonal variation in creep and temperature in a solifluction lobe: continuous monitoring in the Daietsu mountains, northern Japan. *Permafrost and Periglacial Processes*, 11(2): 125-135.
- Yanagimachi, O., 1992. Periglacial and Transitional Zones in Japan, and Their Relations to Permafrost Zone. *Geographical Review of Japan*, 65 A(2): 143-157.
- Yang, B., Braeuning, A. and Johnson, K.R., 2002. General characteristics of temperature variation in China during the last two millennia. *Geophysical Research Letters*, 29(0): X-1 - X-4.
- Yang, C.-F., 2000. The Study of Glacial Relicts in Shesan Peak During the Last Glaciation. Dissertation. National Taiwan University, Taipei (Chinesisch mit englischsprachigem Abstract).
- Yang, J. et al., 2000. Variations in $^{87}\text{Sr}/^{86}\text{Sr}$ ratios of calcites in Chinese loess: A proxy for chemical weathering associated with the East Asian summer monsoon. *Palaeography, Palaeoclimatology, Palaeoecology*, 157(1-2): pp. 151-159.
- Yang, L., 2004. China: Global Change Monitoring Activities in Changbaishan Biosphere Reserve. Global Change Research in Mountain Biosphere Reserves. Proceedings of the International Launching Workshop Entlebuch Biosphere Reserve, Switzerland 10-13 Nov 2003: 12-16.

- Yang, M.-J., Chien, F.-C. and Cheng, M.-D., 2000. Precipitation Parametrization in a Simulated Mei-Yu Front. TAO, 11(2): 393-422.
- Yang, T.-H., 1985. Die landwirtschaftliche Bodennutzung Taiwans, Strukturtypen des Anbaus und ihre Entwicklung in jüngerer Zeit. Bonner Geographische Abhandlungen, 71.
- Yang, Y.-P., Lin, T.-T. and Lu, S.Y., 1989. The vegetation cover investigation in the glacial cirques and nearby area of Mt. Nan-hu, Taroko Nationalpark; 31 pp.
- Yeh, H.-C. and Chen, Y.-L., 1998. Characteristics of Rainfall Distributions over Taiwan during the Taiwan Area Mesoscale Experiment (TAMEX). Journal of Applied Meteorology, 37(11): 1457–1469.
- Yeh, H.-W., 2001. A 12,000-Year Record of Climate of Central Taiwan. AGU, 82(47): Fall Meet. Suppl., Abstract V31C-03.
- Yeh, H.W., Chen, S.H., Chang, W.C. and Kao, W.Y., 1995. Paleolimnology of Yuen-Yang Lake based on isotopic composition of organic carbon. Journal of the Geological Society of China, 38(2): 125-139.
- Yeh, T.-C., 2002. Typhoon rainfall over Taiwan area: the empirical orthogonal function modes and their applications on the rainfall forecasting. TAO, 13(4): 449-468.
- Yen, M.-C. and Chen, T.-C., 2000. Seasonal variation of the rainfall over Taiwan. International Journal of Climatology, 20: 803-809.
- Yoshino, M. and Aoki, T., 1986. Interannual variations of summer precipitation in East Asia: their regionality, recent trend, and relation to sea-surface temperature over the North Pacific. Erdkunde, 40: 94-104.
- Young, A., 1974. The Rate of Slope Retreat. In: E.H. Brown and R.S. Waters (Editors), Progress in Geomorphology. Institute of British Geographers Special Publication, pp. pp. 65-78.
- Yu, G., Harrison, S.P. and Xue, B., 2001. Lake status records from China: Data Base Documentation. MPI-BGC Technical Report, 4: 243.
- Yu, G.e.a., 2000. Palaeovegetation of China: a pollen data-based synthesis for the mid-Holocene and last glacial maximum. Journal of Biogeography, 27(3): 635-664.
- Yu, H.-S. and Chow, J., 1997. Cenozoic basins in northern Taiwan and tectonic implications for the development of the eastern Asian continental margin. Palaeography, Palaeoclimatology, Palaeoecology, 131(1-2): pp. 133-144.
- Zhou, W. et al., 1996. Variability of Monsoon Climate in East Asia at the End of the Last Glaciation. Quaternary Research, 46(3): pp. 219-229.
- Zimmermann, M. and Haeberli, W., 1992. Climatic Change and Debris Flow Activity in High-Mountain Areas - A Case Study in the Swiss Alps. Catena Supplement, 22: 59-72.

9.2 Verzeichnis der verwendeten Karten und Luftbilder

Central Geological Survey - Ministry of Economic Affairs, R.O.C., 1997. Morphoneotectonic map of Taiwan. Central Geological Survey, Ministry of Economic Affairs, R.O.C., Taipei, Taiwan.

Central Geological Survey - Ministry of Economic Affairs, R.O.C., 2000. Geologic map of Taiwan 1 : 500.000. Central Geological Survey, Ministry of Economic Affairs, R.O.C., Taipei, Taiwan.

Hsue, K., J. et al., 1999. Geologic Atlas of China. An Application of the Tectonic Facies Concept to the Geology of China. Amsterdam [and other]; 262p. pp.

Taiwan Road & Topographic Atlas (Formosa Complete Road Atlas). 1:50,000. North Volume. Sunriver, 2001.

Taiwan Road & Topographic Atlas (Formosa Complete Road Atlas). 1:50,000. South Volume. Sunriver, 2001.

Art der Karte	Maßstab	Nummer des Blattes	Name des Blattes	Höhenlinienäquidistanz
Luftbildkarte	1 : 10.000	9621-I-14	Nanhuta Shan	10 m
Topographische Karte	1 : 50.000	9621-I	Huan Shan	20 m
Wanderkarte	1 : 50.000			100 m
Taiwan Road & Topographic Atlas North Volume	1 : 50.000	32, 33	Nanhuta Shan	20 m

Tab. 9.2 a: Liste der für das Arbeitsgebiet Nanhuta Shan verwendeten Karten.

Art der Karte	Maßstab	Nummer des Blattes	Name des Blattes	Höhenlinienäquidistanz
Luftbildkarte	1 : 10.000	9519-I-04	Yushan	10 m
Luftbildkarte	2 : 10.000	9519-I-05	Batongguan	10 m
Topographische Karte	1 : 50.000	9519-I	Yushan	20 m
Topographische Karte	2 : 50.000	9520-II	Alishan	20 m
Topographische Karte	3 : 50.000	9619-IV	Yu-Li Shan	20 m
Topographische Karte	4 : 50.000	9620-III	Tan-Ta	20 m
Wanderkarte	1 : 50.000			100 m
Taiwan Road & Topographic Atlas South Volume	1 : 50.000	19	Yushan	20 m

Tab. 9.2 b: Liste der für das Arbeitsgebiet Yushan verwendeten Karten.

Nanhuta Shan		Yushan	
9421-IV-22	9621-III-02	9519-I-03	9519-III-04
9421-IV-23	9621-III-03	9519-I-04	9519-III-09
9421-IV-24	9721-I-16	9519-I-05	9519-III-14
9421-IV-25	9721-IV-06	9519-I-07	9519-III-15
9521-II-09	9721-IV-07	9519-I-08	9519-III-19
9521-II-10	9721-IV-08	9519-I-10	9519-III-24
9621-I-09	9721-IV-12	9519-I-11	9519-IV-20
9621-I-10	9721-IV-13	9519-I-12	9519-IV-24
9621-I-13	9721-IV-14	9519-I-14	9519-IV-25
9621-I-14	9721-IV-16	9519-I-15	9520-II-02
9621-I-15	9721-IV-17	9519-I-16	9520-II-07
9621-I-16	9721-IV-19	9519-I-18	9520-II-08
9621-I-17	9721-IV-20	9519-I-19	9520-II-13
9621-I-18		9519-I-22	9520-II-18
9621-I-20		9519-I-23	9520-II-19
9621-I-21		9519-II-01	9520-II-24
9621-II-05		9519-II-02	9520-II-25
9621-III-01		9519-II-06	9619-IV-01

Tab. 9.2 c: Liste der für die Erstellung der Flusslängsprofile verwendeten Luftbildkarten (1 : 10.000).

Nanhuta Shan	Yushan
87P67-0073	69P39-6053
87P67-0075	69P39-6058
87P67-0076	69P39-6062
87P67-0077	69P39-6066
88P14-0214	69P91-7832
88P14-0215	69P91-7835
88P14-0216	69P91-7837
88P14-0217	69P91-7839
SE-Valley:	69P54-9902
87P66-0249	69P54-9906
87P66-0251	69P54-9911
87P66-0253	69P54-9916
87P66-0254	
87P67-0043	
87P67-0044	
87P67-0045	
87P67-0046	
87P67-0047	
88P14-0184	
88P14-0185	
88P14-0186	

Tab. 9.2 d: Liste der verwendeten Luftbilder. Die ersten zwei Ziffern bezeichnen das Jahr der Befliegung nach dem traditionellen taiwanesischen Kalender, der gegenüber dem gregorianischen Kalender 11 Jahre zurück bleibt. Die Reihe 69P54 wurde beispielsweise im Jahr 1980 aufgenommen.

9.3 Verzeichnis der Internetquellen und Printmedien

9.3.1 Internetquellen

Auswärtiges Amt der Bundesrepublik Deutschland: Taiwan. Auf einen Blick.

URL: http://www.auswaertigesamt.de/www/de/laenderinfos/laender/laender_ausgabe_html?type_id=2&land_id=198, abgerufen am 21.11.2005

Central Geological Survey, (CGS), Ministry of Economic Affairs (MOEA), Taiwan: Geology of Taiwan. URL: <http://www.moeacgs.gov.tw/english/twgeol>, abgerufen am 28.12.2004 und 21.06.2005

Central Weather Bureau of Taiwan (CWB): Climate Data 1971-2000.

URL: <http://www.cwb.gov.tw/V4e/index.htm>, abgerufen am 28.12.2004

Fix, D., 2005. Annotated bibliography of 19th Century German articles concerning Taiwan (Formosa). URL: <http://academic.reed.edu/formosa/texts/texts.htm>: Abgerufen am 09.11.2005.

Forestry Bureau, Council of Agriculture, Taiwan (a): Forest resources and forest types.

URL: <http://www.forest.gov.tw/web/English2/resources.htm>, abgerufen am 28.12.2004

Forestry Bureau, Council of Agriculture, Taiwan (b): Reforestation and Timber Production.

URL: <http://www.forest.gov.tw/web/English2/organIzation.htm>, abgerufen am 14.06.2005

Forestry Bureau, Council of Agriculture, Taiwan (c): National Forest Recreation Area.

URL: <http://recreate.forest.gov.tw/>, abgerufen am 28.09.2005

Government Information Office, Taiwan (GIO a): Taiwan's Ecological Conservation.

URL: http://www.gio.gov.tw/info/ecology/English/index_e01.htm, abgerufen am 28.12.2004

Government Information Office, Taiwan (GIO b): Taiwans Ecological Conservation. Formosan black bear.

URL: http://www.gio.gov.tw/info/ecology/English/animals_e/HighAnimals_e/HighAnimals02_e.htm, abgerufen am 01.07.2005

Government Information Office, Taiwan (GIO c): Taiwan's Ecological Conservation. Formosan serow.

URL: http://www.gio.gov.tw/info/ecology/English/animals_e/ColdAnimals_e/ColdAnimals01_e.htm, abgerufen am 06.07.2005

Government Information Office, Taiwan (GIO d): Taiwan's Ecological Conservation. Formosan rock-monkey.

URL: http://www.gio.gov.tw/info/ecology/English/animals_e/HighAnimals_e/HighAnimals03_e.htm, abgerufen am 06.07.2005

Huffman, B., 2004. *Nemorhaedus swinhoei*.

URL: http://www.ultimateungulate.com/Artiodactyla/Nemorhaedus_swinhoei.html, abgerufen am 27.06.2005.

IUCN (2000): IUCN Red List of Threatened Species. Compiled by C. Hilton-Taylor. IUCN - The World Conservation Union. Gland, Switzerland. URL: <http://www.redlist.org/>, abgerufen am 01.07.2005

National Geospatial Intelligence Agency of the USA (NGA): Ocean Currents.

URL: http://pollux.nss.nima.mil/NAV_PUBS/APN/Chapt-32.pdf, abgerufen am 30.06.2005

Petley, D. (1996): The Geomorphology of Taroko Gorge. First Interim Report and Data Summary. The Physical Setting and Geology of Taiwan.
URL: <http://www.sci.port.ac.uk/geology/staff/dpetley/trep1a.html>, abgerufen am 11.07.2005

Statistical Yearbook of the Republic of China 2004. Directorate General of Budget, Accounting and Statistics, Executive Yuan, Taipei [Hrsg.].
URL: http://eng.dgbas.gov.tw/lp.asp?CtNode=2351&CtUnit=1072&BaseDSD=36&xq_xCat=01, abgerufen am 28.12.2004 und 11.07.2005

Taiwan Yearbook 2004. Government Information Office, Taipei [Hrsg.]:
URL: <http://www.gio.gov.tw/taiwan-website/5-gp/yearbook/>, abgerufen am 06.04.2005

Tang, C.-C., 2002. Ein anderer Weg zur funktionalen Differenzierung. Eine auf das politische System und das Religionssystem fokussierende Betrachtung der Entwicklung funktionaler Differenzierung vom traditionellen China bis zum modernen Taiwan. Dissertation Universität Bielefeld. URL: <http://webdoc.sub.gwdg.de/ebook/le/2003/uni-bielefeld/disshabi/2002/0077.pdf>, abgerufen am 28.12.2004

Taroko Nationalpark: Park Introduction.
URL: <http://www.taroko.gov.tw/ENGLISH/introduction.htm>, abgerufen am 27.09.2005

Vision International Publishing Co., (1995): Good News For Taiwan's Endangered Species.
URL: http://www.sinica.edu.tw/tit/environment/0896_Species.html, abgerufen am 06.07.2005

Water Resources Agency (WRA), Ministry of Economic Affairs (MOEA), Taiwan: Water Management in Taiwan. URL: <http://eng.wra.gov.tw>, abgerufen am 28.12.2004

Water Resources Agency (WRA), Ministry of Economic Affairs, Taiwan (MOEA): Geographical and Hydrological characteristics of Taiwan.
URL: <http://eng.wra.gov.tw/ct.asp?xItem=12663&CtNode=2295>, abgerufen am 28.12.2004

Yushan Nationalpark: Geographic Resources.
URL: http://www.ysnp.gov.tw/en/park_resources/parkresources2.html, abgerufen am 30.12.2004 und am 28.09.2005

9.3.2 Printmedien

Taipei Times (03.11.2002): In the heart of the Bunun nation. Autor: David Momphard

Taipei Times (14.03.2005): Rainy weather to linger for another week. Staff writer.

Taiwan Review (15.08.2003): Yushan Park a multilayered tourism spot. Autorin: Rita Fang.