

PUBLICATIONS

Symbols used in the list of references

R	=	refereed journals
C	=	refereed conference proceedings
K	=	keynote in refereed conference proceedings
B	=	books
E	=	editor of a book
P	=	chapters in books
N	=	non-refereed publications
D	=	dissertation (Ph.D. Thesis)

The translations of the French and German titles is attempting to represent the meaning of the title.

1971

- (1) R Nigg, B.M. Über die Wirkung der Eigenrotation (Effet) bei fliegenden Bällen (On the effect of spin in flying balls). *Jugend und Sport*, 6: 284-285, 1971.
- (2) R Nigg, B.M. Reflexions sur l'angle opimal du depart au lancer du poids (On the angle of release in shot put). *Kinanthropologie*, 3/4: 257-264, 1971.

1972

- (3) R Nigg, B.M. and Waser, J. Überlegungen und Experimente zu verschiedenen Hochsprungtests (Theoretical considerations and experiments with various high jump tests). *Jugend und Sport*, 11: 383-386, 1972.

1973

- (4) R Nigg, B.M., Neukomm, P.A. and Waser, J. Messungen im Weitsprung an Weltklasespringern (Measurements with world class athletes in long jump). *Leistungssport*, 4: 265-271, 1973.
- (5) R Nigg, B.M., Neukomm, P.A., and Waser, J. Messungen im Weitsprung an Weltklasespringern (Experimental results on high performance athletes in long jump). *Jugend und Sport*, 2: 62-66, 1973. (Similar publication as (4) derived from same experiments).
- (6) R Hoerler, E. and Nigg, B.M. Überlegungen zum Aufsatzsprung beim Wasserspringen (On the take-off bounce in diving). *Leistungssport*, 4: 272-279, 1973.
- (7) R Nigg, B.M., Hegner, J. and Wartenweiler, J. Experimentelle biomechanische Untersuchungen über den Aufsatzsprung beim Wasserspringen (Experimental biomechanical study on the take-off bounce in diving). *Jugend und Sport*, 11: 385-386, 1973. (Similar publication as (6) derived from same experiments).
- (8) R Nigg, B.M. and Neukomm, P.A. Erschütterungsmessungen beim Skifahren (Impact acceleration measurements in alpine skiing). *Med. Welt*, 11: 1883-1885, 1973.
- (9) B Nigg, B.M. Biomechanik, ausgewählte Kapitel (Selected topics in biomechanics). ETH Zürich, 1973.
- (10) N Nigg, B.M., Neukomm, P.A. and Waser, J. Messungen im Weitsprung an Weltklasespringern (Experimental assessment of high performance long jumpers). *Die Körpererziehung*, 9: 1973. (Similar publication as (4) derived from same experiments).
- (11) N Nigg, B.M. and Neukomm, P.A. Erschütterungsmessungen im Skifahren (Load analysis in alpine skiing). *Proceedings of the Int. Conference "Skifahren und Sicherheit, Davos, Switzerland, 1973.*

1974

- (12) R Nigg, B.M., Neukomm, P.A. and Unold, E. Biomechanik und Sport (Biomechanics and sport). *Orthopäde*, 3: 140-147, 1974.
- (13) R Waser, J., Neeser, K., Nigg, B.M. and Wartenweiler, J. Test zur Klassifizierung der Schwimmer (Test for classification of swimmers). *Jugend und Sport*, 6: 215-217, 1974.
- (14) R Nigg, B.M., Röthlin, K. and Wartenweiler, J. Biomechanische Messungen beim Speerwerfen (Biomechanical measurements in javelin throwing). *Jugend und Sport*, 6: 218-220, 1974.
- (15) R Waser, J. and Nigg, B.M. Hochsprung-Filmanalyse (Film analysis in high jumping). *Leistungssport*, 4: 259-267, 1974.
- (16) C Nigg, B.M. Analysis of twisting and turning movements. In: *Biomechanics IV*. R.C. Nelson and C.A. Morehouse (eds). University Park Press, Baltimore: 279-283, 1974.
- (17) C Neukomm, P.A. and Nigg, B.M. Instrumentation in Ski Research. In: *Biomechanics IV*. R.C. Nelson and C.A. Morehouse (eds). University Park Press, Baltimore: 231-235, 1974.
- (18) B Nigg, B.M. Sprung - Springen - Sprünge (Jump - jumping - jumps). *Juris Verlag, Zürich*, 1974.
- (19) N Nigg, B.M., Neukomm, P.A., Spirig, J. and Unold, E. Die Belastung des menschlichen Bewegungsapparates bei sportlicher Betätigung (Load on the musculo-skeletal system in various sport activities). *NZZ, Forschung und Technik*, 466: 79-82, 1974.

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- (20) D Nigg, B.M. Untersuchung über das menschliche Gleichgewichtsverhalten (Analysis of the human behaviour in the quasi-

- static equilibrium). Diss. ETH Zürich. Nr. 5630, 1975.
- (21) R Nigg, B.M., Neukomm, P.A. and Unold, E. Erschütterungsmessungen beim Skifahren, Kunstturnen, Gehen und Laufen (Impact accelerations in alpine skiing, gymnastics, walking and running). *Medizinische Welt* 16: 765-770, 1975.
- (22) R Nigg, B.M., Neukomm, P.A., and Luethi, S. La charge d'appareil loco-moteur humain lors de la pratique du ski (Load of the musculo-skeletal system in skiing). *Med. et Hyg.*, 6: 978-981, 1975.
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- (24) N Nigg, B.M. Quantifizierte Messungen des quasistatischen Gleichgewichtsverhaltens (Quantification of the ground reaction force in a quasi-static standing position). *Hospitalis*, 45: 733, 1975.
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- (25) R Nigg, B.M. and Spirig, J. Erschütterungsmessungen beim Kunstturnen (Impact acceleration measurements in gymnastics). *Leistungssport* 2: 91-96, 1976.
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- (39) N Nigg, B.M. and Denoth, J. Belastung des Körpers durch moderne Sportplatzbeläge (Load on the human body on new playing surfaces). *NZZ, Forschung und Technik*, October: 61, 1977.
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- R von Tscharnar, V., Coza, A., Nigg, B.M. Activity mapping of lower leg muscles using an electrode array combined with wavelet analysis. (Submitted to *J. Biomech.* Jan. 2008)
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