

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 optimal 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 Weltklassespringern (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 Weltklassespringern (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. *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 Weltklassespringern (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.
- 23 C Neukomm, P.A., Dux, A., Nigg, B.M. and Wartenweiler, J. Biomechanische Messmethoden für Ganganalysen (Biomechanical methods for gait analysis). In: Ergometrie und Ergotherapie bei arteriellen Durchblutungsstörungen. A. Bolliger and A. Grüntzig (eds). Huber Verlag, Bern: 39-46, 1975.
- 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.
- 1976**
- 25 R Nigg, B.M. and Spirig, J. Erschütterungsmessungen beim Kunstturnen (Impact acceleration measurements in gymnastics). Leistungssport 2: 91-96, 1976.
- 26 N Nigg, B.M. Biomechanik und Schulturnen (Biomechanics in school sport). Schweiz. Turnlehrer Bulletin, 3: 39-44, 1976.
- 27 C Nigg, B.M. and Neukomm, P.A. Behaviour in quasi-static balance. In: Biomechanics V-B. P. Komi (ed). University Park Press, Baltimore: 476-484, 1976.
- 28 N Nigg, B.M. Biomechanische Messungen an Bodenbelägen für Leichtathletik und Spiele. (Biomechanical analysis of sport surfaces for track and field and games). Sportstättenbau und Bäderanlagen 4: 81, 1976.
- 29 C Nigg, B.M. Menschliche Mikrovibrationen (Human Microvibrations). Proceedings of Int. Biomechanics Symposium, Zürich: 19-31, 1976.
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- 6: 178-180, 1977.
- 33 C Nigg, B.M., Neukomm, P.A. and Luethi, S. Die Belastung des menschlichen Bewegungsapparates beim Skifahren (Load on the musculo-skeletal system in alpine skiing). In: Zur Biomechanik des Schilaufs. F. Fetz (ed). Inn Verlag, Innsbruck: 80-89, 1977.
- 34 C Gisler, E., Nigg, B.M. and Waser, J. Biomechanische Untersuchungen im Skispringen (Biom.l analysis of ski jumping). In: Zur Biomechanik des Schilaufs. F. Fetz (ed.) Inn Verlag, Innsbruck: 98-107, 1977.
- 35 B Nigg, B.M. Menschliche Mikrovibrationen (Human microvibrations). Birkhäuser Verlag, Basel, 1977.
- 36 B Nigg, B.M. Biomechanik (Biomechanics). Juris Verlag, Zurich, 1977.
- 37 P Nigg, B.M. Elektronische Methoden der Biomechanik (Electronic measuring methods in biomechanics). In: Grundkurs Datenerhebung I. K. Willimczik (ed). Limpert Verlag, Bad Homburg: 39-67, 1977.
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- 40 R Nigg, B.M., Unold, E., Bachmann, E. and Schöni, B. Motorische Faktoren (Motor factors). Jugend und Sport, 2: 53-57, 1978.
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- 45 N Keller, H. and Nigg, B.M. Die Ausbildung von Turn-und Sportlehrern an den Hochschulen im deutschen Sprachraum (Curriculum of phys. ed. teachers in German speaking areas). Juris Verlag, Zürich, 1978.
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- 47 P Nigg, B.M. Biomechanische Grundlagen (Introduction to Biomechanics). In: Turnen und Sport in der Schule, Band 1, Theorie. K. Egger (ed). Magglingen: 62-72, 1978.
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- 49 N Nigg, B.M. Sportboden -Sportschuh (Sport surface -sport shoe). Schweiz Sportmode, 3: 13-14, 1978.
- 50 N Denoth, J. and Nigg, B.M. Sportböden (Sport surfaces). Sportbäder und Freizeitbauten, 2: 95-99, 1978.
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- 53 N Nigg, B.M. and Denoth, J. Bodenbeläge für Sportanlagen (Surfaces for sport grounds). Gartenamt, 28: 730-710, 1979.
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- 56 R Segesser, B. and Nigg, B.M. Insertionstendinosen am Schienbein, Achillodynie und Überlastungsfolgen am Fuss -Aetiologie, Biomechanik, therapeutische Möglichkeiten (Tibial insertion tendinosis, Achillodynia and damage due to overuse of the foot - etiology, biomechanical therapy). *Orthopäde*, 9: 207-214, 1980.
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- 62 N Nigg, B.M. La chassure de course -plus importante que jamais (Running shoes -more important than ever). *Sport + Mode Suisse*, 6: 30-31, 1980.
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- 64 R Nigg, B.M. Belastung des menschlichen Bewegungsapparates bei ausgewählten Bewegungen im Kunstturnen. (Loading of the human body in selected movements in gymnastics). *Leistungssport*, 11: 93-100, 1981.
- 65 K Nigg, B.M., Denoth, J., and Neukomm, P.A. Quantifying the load on the human body: problems and some possible solutions. In: *Biomechanics VII*. A. Morecki, K. Fidelus, K. Kedzior and A. Wit (eds). University Park Press, Baltimore: 88-99, 1981.
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- 78 R Segesser, B., Stacoff, A., and Nigg, B.M. Die Belastbarkeit der Sprunggelenke aus biomechanisch -klinischer Sicht (Load on the ankle joint from a biom. -clinical aspect). *Med. u. Sport*, 23: 9-13, 1983.
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- 80 E Nigg, B.M. and Denoth, J. Sportplatzbeläge (Playing surfaces). Third Edition, Juris Verlag, Zürich, 1983.
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