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Biomechanical Analysis of Human Movement

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@inbook{Alexander_2000, address={Champaign, Ill}, title={Storage and release of elastic energy in the locomotor system and the stretchshortening cycle [in] Biomechanics and Biology of Movement}, url={https://contentstore.cla.co.uk/secure/link?id=0ddaf5d6-a05f-e611-80c6-005056af4099}, booktitle={Biomechanics and Biology of Movement}, publisher={Human Kinetics}, author={Alexander, R. McN.}, year={2000}, pages={19-29} }

@article{Alexander_Vernon_1975, title={The dimensions of knee and ankle muscles and the forces they exert [in] Journal of Human Movement Studies, Vol.1}, volume={1}, url={https://contentstore.cla.co.uk/secure/link?id=32437f6e-9d3c-e711-80cb-005056af4099}, journal={Journal of Human Movement Studies}, publisher={Lepus Books}, author={Alexander, R. McN. and Vernon, A.}, year={1975}, pages={115-123} }

@inbook{Full_1992, address={Oxford}, title={Force platform and kinematic analysis [in] Biomechanics: structures and systems : a practical approach}, url={https://contentstore.cla.co.uk/secure/link?id=dee44f35-1cf3-e811-80cd-005056af4099}, booktitle={Biomechanics: structures and systems : a practical approach}, publisher={IRL Press at Oxford University Press}, author={Andrew A Biewener and Full, Robert J}, year={1992}, pages={45-73} }

@inbook{Bartlett_2007a, address={Abingdon}, edition={2nd edition}, title={Chapter 5: 'Causes of movement - forces and torques' [in] Introduction to Sports Biomechanics}, url={http://lib.myilibrary.com/browse/open.asp?id=106182&entityid=https://elibrary.exeter.ac.uk/idp/shibboleth}, booktitle={Introduction to Sports Biomechanics: Analysing Human Movement Patterns}, publisher={Routledge}, author={Bartlett, R.}, year={2007}, pages={213-220} }

@book{Bartlett_2007b, address={Abingdon}, edition={2nd edition}, title={Introduction to Sports Biomechanics: Analysing Human Movement Patterns}, url={https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002275169707446&context=L&vid=44UOEX_INST:default}, publisher={Routledge}, author={Bartlett, Roger}, year={2007} }

@book{Bartlett_2007c, address={Abingdon}, edition={2nd edition}, title={Introduction to sports biomechanics: analysing human movement patterns}, url={https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002275169707446&context=L&vid=44UOEX_INST:default}, publisher={Routledge}, author={Bartlett, Roger}, year={2007} }

@book{Bartlett_Bussey_2012, address={London}, edition={2nd ed}, title={Sports biomechanics: reducing injury risk and improving sports performance},

url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&scope=site&db=nlebk&db=nlabk&AN=451205},
 publisher={Routledge}, author={Bartlett, Roger and Bussey, Melanie}, year={2012} }

@article{Bates_Dufek_Davies_1992, address={Iowa}, title={The effect of trial size on statistical power [in] Medicine and Science in Sports and Exercise, Vol.24, No.9}, volume={24},
 url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsovi&AN=edsovi.00005768.199209000.00017&site=eds-live&scope=site}, number={9}, journal={Medicine and Science in Sports and Exercise}, publisher={American College of Sports Medicine}, author={Bates, B. T. and Dufek, J. S. and Davies, H. P.}, year={1992}, pages={1059-1068} }

@article{Bates_Osternig_Sawhill_James_1983a, title={An assessment of subject variability, subject-shoe interaction, and the evaluation of running shoes using ground reaction force data [in] Journal of Biomechanics}, volume={16},
 url={https://uoelibrary.idm.oclc.org/login?url=http://www.sciencedirect.com/science/article/pii/0021929083901252}, number={3}, journal={Journal of Biomechanics}, author={Bates, B.T. and Osternig, L.R. and Sawhill, J.A. and James, S.L.}, year={1983}, month={Jan}, pages={181-191} }

@article{Bates_Osternig_Sawhill_James_1983b, title={An assessment of subject variability, subject-shoe interaction, and the evaluation of running shoes using ground reaction force data [in] Journal of Biomechanics}, volume={16},
 url={https://uoelibrary.idm.oclc.org/login?url=http://www.sciencedirect.com/science/article/pii/0021929083901252}, number={3}, journal={Journal of Biomechanics}, author={Bates, B.T. and Osternig, L.R. and Sawhill, J.A. and James, S.L.}, year={1983}, month={Jan}, pages={181-191} }

@article{Bates_Osternig_Sawhill_James_1983c, title={An assessment of subject variability, subject-shoe interaction, and the evaluation of running shoes using ground reaction force data [in] Journal of Biomechanics, Vol.16, No.3}, volume={16},
 url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=0021929083901252&site=eds-live&scope=site}, DOI={10.1016/0021-9290(83)90125-2}, number={3}, journal={Journal of Biomechanics}, author={Bates, B.T. and Osternig, L.R. and Sawhill, J.A. and James, S.L.}, year={1983}, month={Jan}, pages={181-191} }

@article{Bobbert, M F_Schamhardt_Nigg_1991, title={Calculation of vertical ground reaction force estimates during running from positional data [in] Journal of Biomechanics}, volume={24},
 url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPHS-610613&site=eds-live&scope=site}, number={12}, journal={Journal of}, author={Bobbert, M F and Schamhardt, H C and Nigg, B M}, year={1991}, pages={1095-1105} }

@article{Bobbert M F_Yeadon_Nigg_1992, title={Mechanical analysis of the landing phase in hell-toe running (Analyse mecanique de la phase d'impact lors de la course avec appui sur le talon d'abord) [in] Journal of Biomechanics}, volume={25},
 url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPHS-607983&site=eds-live&scope=site}, number={3}, journal={Journal of}, author={Bobbert M F and Yeadon, M R and Nigg, B

M}, year={1992}, pages={223-234} }

@article{Bobbert_Yeadon_Nigg_1992a, title={Mechanical Analysis of the Landing Phase in Heel-Toe Running [in] Journal of Biomechanics, Vol.25, No.3}, volume={25}, url={https://contentstore.cla.co.uk/secure/link?id=3b0708f2-83f1-e811-80cd-005056af4099}, number={3}, journal={Journal of Biomechanics}, author={Bobbert, Maarten F. and Yeadon, Maurice R. and Nigg, Benno M.}, year={1992}, month={Mar}, pages={223-234} }

@article{Bobbert_Yeadon_Nigg_1992b, title={Mechanical Analysis of the Landing Phase in Heel-Toe Running [in] Journal of Biomechanics, Vol.25, No.3}, volume={25}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=002192909290022S&site=eds-live&scope=site}, number={3}, journal={Journal of Biomechanics}, author={Bobbert, Maarten F. and Yeadon, Maurice R. and Nigg, Benno M.}, year={1992}, month={Mar}, pages={223-234} }

@article{Brown_1987, title={Performance tests for artificial sports surfaces [in] Polymer Testing, Vol.7, No.4}, volume={7}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.sciencedirect.com/science/article/pii/0142941887900249}, number={4}, journal={Polymer Testing}, author={Brown, R.P.}, year={1987}, month={Jan}, pages={279-292} }

@article{Burdett_1982, address={Iowa}, title={Forces predicted at the ankle during running [in] Medicine and Science in Sports and Exercise, Vol.14}, volume={14}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPH119686&site=eds-live&scope=site}, journal={Medicine and Science in Sports and Exercise}, publisher={American College of Sports Medicine}, author={Burdett, R. G.}, year={1982}, pages={308-316} }

@article{Butler_Crowell_Davis_2003, title={Lower extremity stiffness: implications for performance and injury [in] Clinical Biomechanics, Vol.18, No.6}, volume={18}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsovi&AN=edsovi.00009043.200307000.00008&site=eds-live&scope=site}, number={6}, journal={Clinical Biomechanics}, author={Butler, Robert J. and Crowell, Harrison P. and Davis, Irene McClay}, year={2003}, pages={511-517} }

@article{Cavanagh_Lafortune_1980a, title={Ground reaction forces in distance running [in] Journal of Biomechanics, Vol.13, No.5}, volume={13}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.sciencedirect.com/science/article/pii/0021929080900330}, number={5}, journal={Journal of Biomechanics}, author={Cavanagh, P. R. and Lafortune, M. A.}, year={1980}, pages={397-406} }

@article{Cavanagh_Lafortune_1980b, title={Ground Reaction Forces in Distance Running [in] Journal of Biomechanics, Vol.13, No.5}, volume={13}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.sciencedirect.com/science/article/pii/0021929080900330}, number={5}, journal={Journal of Biomechanics}, author={Cavanagh, Peter R. and Lafortune, Mario A.}, year={1980}, month={Jan}, pages={397-406} }

@inproceedings{Coyles_Lake_Lees_2001, address={Zurich}, title={Dynamic angular

stiffness of the knee and ankle during barefoot and shod running [in] Proceedings of the 5th Symposium on Footwear Biomechanics}, booktitle={Proceedings of the 5th Symposium on Footwear Biomechanics}, publisher={Dept. of Minerals, ETH Zurich}, author={Coyles, V. R and Lake, M. J. and Lees, A. }, year={2001}, pages={26-27} }

@inbook{Coyles_Lake_Patritti_1998, address={Cambridge}, title={Comparative evaluation of soccer boot traction during cutting manoeuvres: methodological considerations for field testing [in] Engineering of Sport}, url={https://contentstore.cla.co.uk/secure/link?id=176370ca-af5f-e611-80c6-005056af4099}, booktitle={The Engineering of Sport}, publisher={Blackwell Science Ltd}, author={Coyles, V. R. and Lake, M. J. and Patritti, B. L.}, year={1998}, pages={183-190} }

@book{Dainty_Norman_1987, title={Standardizing biomechanical testing in sport}, publisher={Human Kinetics}, author={Dainty, D.A. and Norman, R.W.}, year={1987} }

@inbook{Denoth_1985, address={Champaign, IL}, title={Load on the locomotor system and modelling [in] Biomechanics of Running Shoes}, url={https://contentstore.cla.co.uk/secure/link?id=96a3aa7b-9f5f-e611-80c6-005056af4099}, booktitle={Biomechanics of Running Shoes}, publisher={Human Kinetics Publishers}, author={Denoth, J}, year={1985}, pages={63-116} }

@article{Dixon_2006, title={Application of center-of-pressure data to indicate rearfoot inversion-eversion in shod running [in] Journal of the American Podiatric Medical Association, Vol.96, No.4}, volume={96}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.japmaonline.org/doi/full/10.7547/0960305}, number={4}, journal={Journal of the American Podiatric Medical Association}, publisher={American podiatric medical association}, author={Dixon, S. J.}, year={2006}, pages={305-312} }

@article{Dixon_Batt_Collop_1999, title={Artificial playing surfaces research: a review of medical, engineering and biomechanical aspects [in] International Journal of Sports Medicine, Vol.20, No.4}, volume={20}, url={https://contentstore.cla.co.uk/secure/link?id=20871cae-9e60-e611-80c6-005056af4099}, DOI={10.1055/s-2007-971119}, number={4}, journal={International Journal of Sports Medicine}, author={Dixon, S. J. and Batt, M. E. and Collop, A. C.}, year={1999}, pages={209-218} }

@article{Dixon_Collop_Singleton_Batt_2005, title={Compensatory adjustments in lower extremity kinematics in response to a reduced cushioning of the impact interface in heel-toe running [in] Sports Engineering, Vol.8, No.1}, volume={8}, url={https://uoelibrary.idm.oclc.org/login?url=http://link.springer.com/article/10.1007/BF02844131}, number={1}, journal={Sports Engineering}, author={Dixon, S. J. and Collop, A. C. and Singleton, T. M. and Batt, M. E.}, year={2005} }

@article{Dixon_Kerwin_2002, address={Champaign, IL, USA}, title={Variations in Achilles tendon loading with heel lift intervention in heel-toe runners [in] Journal of Applied Biomechanics, Vol.18}, volume={18}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=8503245&site=eds-live&scope=site}, journal={Journal of Applied Biomechanics}, publisher={Human Kinetics}, author={Dixon, S. J and Kerwin, D. G.}, year={2002}, pages={321-331} }

@article{Dixon_Stiles_2003, title={Impact absorption of tennis shoe-surface combinations [in] Sports Engineering, Vol.6, No.1}, volume={6}, url={http://link.springer.com/article/10.1007/BF02844155}, number={1}, journal={Sports Engineering}, author={Dixon, S. J. and Stiles, V. H.}, year={2003}, pages={1-9} }

@article{Dixon_Waterworth_Smith_House_2003a, address={Iowa}, title={Biomechanical analysis of running in military boots with new and degraded insoles [in] Medicine and Science in Sports and Exercise, Vol.35, No.3}, volume={35}, url={https://contentstore.cla.co.uk/secure/link?id=ba2d5fa2-86f1-e811-80cd-005056af4099}, number={3}, journal={Medicine and Science in Sports and Exercise}, publisher={American College of Sports Medicine}, author={Dixon, S. J. and Waterworth, C. and Smith, C. V. and House, C. M.}, year={2003}, pages={472-479} }

@article{Dixon_Waterworth_Smith_House_2003b, address={Iowa}, title={Biomechanical analysis of running in military boots with new and degraded insoles [in] Medicine and Science in Sports and Exercise, Vol.35, No.3}, volume={35}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPHS-873160&site=eds-live&scope=site}, number={3}, journal={Medicine and Science in Sports and Exercise}, publisher={American College of Sports Medicine}, author={Dixon, S. J. and Waterworth, C. and Smith, C. V. and House, C. M.}, year={2003}, pages={472-479} }

@book{Dixon_2013, address={London}, title={The science and engineering of sport surfaces}, url={http://www.vlebooks.com/vleweb/product/openreader?id=Exeter&isbn=9781136479076}, publisher={Routledge}, author={Dixon, Sharon}, year={2013} }

@article{Dixon_McNally_2008, title={Influence of orthotic devices prescribed using pressure data on lower extremity kinematics and pressures beneath the shoe during running [in] Clinical Biomechanics, Vol.23, No.5}, volume={23}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0268003308000296&site=eds-live&scope=site}, number={5}, journal={Clinical Biomechanics}, author={Dixon, Sharon J. and McNally, Kate}, year={2008}, pages={593-600} }

@article{Farley_Glasheen_McMahon_1993, address={Cambridge}, title={Running springs: speed and animal size [in] Journal of Experimental Biology, Vol.185}, volume={185}, journal={Journal of Experimental Biology}, publisher={Company of Biologists}, author={Farley, C. T. and Glasheen, J. and McMahon, T. A.}, year={1993}, pages={71-86} }

@article{Farley_Houdijk_Van Strien_Louie_1998, address={Bethesda, U.S.}, title={Mechanism of leg stiffness adjustment for hopping on surfaces of different stiffnesses [in] Journal of Applied Physiology, Vol.85, No.3}, volume={85}, url={http://jap.physiology.org/content/85/3/1044}, number={3}, journal={Journal of Applied Physiology}, publisher={American Physiological Society}, author={Farley, C. T. and Houdijk, H. H. P. and Van Strien, C. and Louie, M.}, year={1998}, pages={1044-1055} }

@article{Farley_González_1996, title={Leg stiffness and stride frequency in human running [in] Journal of Biomechanics, Vol.29, No.2}, volume={29}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?dire

ct=true&db=sph&AN=SPH411975&site=eds-live&scope=site}, number={2}, journal={Journal of Biomechanics}, author={Farley, Claire T. and González, Octavio}, year={1996}, pages={181-186} }

@article{Farley_Morgenroth_1999, title={Leg stiffness primarily depends on ankle stiffness during human hopping [in] Journal of Biomechanics, Vol.32, No.3}, volume={32}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPHS-637675&site=eds-live&scope=site}, number={3}, journal={Journal of Biomechanics}, author={Farley, Claire T. and Morgenroth, David C.}, year={1999}, pages={267-273} }

@article{Ferris_Farley_1997, address={Bethesda, U.S.}, title={Interaction of leg stiffness and surface stiffness during human hopping [in] Journal of Applied Physiology, Vol.82, No.1}, volume={82}, url={http://jap.physiology.org/content/82/1/15}, number={1}, journal={Journal of Applied Physiology}, publisher={American Physiological Society}, author={Ferris, D. P. and Farley, C. T.}, year={1997}, pages={15-22} }

@article{Ferris_Farley_Louie_1998, title={Running in the real world: adjusting leg stiffness for different surfaces [in] Proceedings of the Royal Society: Biological Sciences, Vol.265, No.1400}, volume={265}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.jstor.org/stable/51029?seq=1#page_scan_tab_contents}, number={1400}, journal={Proceedings of the Royal Society: Biological Sciences}, publisher={The Royal Society}, author={Ferris, D. P. and Farley, C. T. and Louie, M.}, year={1998}, pages={989-994} }

@article{Ferris_Liang_Farley_1999, title={Runners adjust leg stiffness for their first step on a new running surface [in] Journal of Biomechanics, Vol.32, No.8}, volume={32}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0021929099000780&site=eds-live&scope=site}, number={8}, journal={Journal of Biomechanics}, author={Ferris, Daniel P. and Liang, Kailine and Farley, Claire T.}, year={1999}, pages={787-794} }

@article{Fong_Chan_Hong_Yung_Fung_Chan_2008, title={A three-pressure-sensor (3PS) system for monitoring ankle supination torque during sport motions [in] Journal of Biomechanics, Vol.41, No.11}, volume={41}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=33529918&site=eds-live&scope=site}, number={11}, journal={Journal of Biomechanics}, author={Fong, Daniel Tik-Pui and Chan, Yue-Yan and Hong, Youlian and Yung, Patrick Shu-Hang and Fung, Kwai-Yau and Chan, Kai-Ming}, year={2008}, pages={2562-2566} }

@article{Hamill_van Emmerik_Heiderscheit_Li_1999, title={A dynamical systems approach to lower extremity running injuries [in] Clinical Biomechanics, Vol.14, No.5}, volume={14}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=amed&AN=0005724&site=eds-live&scope=site}, number={5}, journal={Clinical Biomechanics}, author={Hamill, Joseph and van Emmerik, Richard E.A. and Heiderscheit, Bryan C. and Li, Li}, year={1999}, month={Jun}, pages={297-308} }

@inbook{Hamill_Knutzen_1995, address={Malvern, Pa}, title={Chapter 12. Types of Mechanical Analysis [in] Biomechanical basis of human movement},

url={https://contentstore.cla.co.uk/secure/link?id=67265f29-9e60-e611-80c6-005056af4099}, booktitle={Biomechanical basis of human movement}, publisher={Williams & Wilkins}, author={Hamill, Joseph and Knutzen, Kathleen M.}, year={1995}, pages={458-468} }

@article{Hamill_Russell_Gruber_Miller_2011, title={Impact characteristics in shod and barefoot running [in] Footwear Science}, volume={3}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=58089863&site=eds-live&scope=site}, DOI={10.1080/19424280.2010.542187}, number={Issue 1}, journal={Footwear}, author={Hamill, Joseph and Russell, E and Gruber, A and Miller, R}, year={2011}, pages={33-40} }

@article{Hamill_Russell_Gruber_Miller_2011, title={Impact characteristics in shod and barefoot running [in] Footwear Science, Vol.3, No.1}, volume={3}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.tandfonline.com/doi/pdf/10.1080/19424280.2010.542187}, number={1}, journal={Footwear Science}, author={Hamill, Joseph and Russell, Elizabeth M. and Gruber, Allison H. and Miller, Ross}, year={2011}, month={Mar}, pages={33-40} }

@article{Hennig_Valiant_Liu_1996, address={Champaign, IL, USA}, title={Biomechanical variables and the perception of cushioning for running in various types of footwear [in] Journal of applied biomechanics, Vol.12}, volume={12}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=20751612&site=eds-live&scope=site}, journal={Journal of applied biomechanics}, publisher={Human Kinetics}, author={Hennig, E. M. and Valiant, G. A. and Liu, Q.}, year={1996}, pages={143-150} }

@article{James_2000, address={Iowa}, title={Effects of injury proneness and task difficulty on joint kinetic variability [in] Medicine and science in sports and exercise, Vol.32, No.11}, volume={32}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPHS-666326&site=eds-live&scope=site}, number={11}, journal={Medicine and science in sports and exercise}, publisher={American College of Sports Medicine}, author={James, C. R.}, year={2000}, pages={1833-1844} }

@article{Keller_Weisberger_Ray_Hasan-Shiavi_Spengler_1996, title={Relationship between vertical ground reaction force and speed during walking, slow jogging, and running [in] Clinical Biomechanics}, volume={11}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.sciencedirect.com/science/article/pii/0268003395000682}, number={5}, journal={Clinical Biomechanics}, author={Keller, TS and Weisberger, AM and Ray, JL and Hasan, SS and Shiavi, RG and Spengler, DM}, year={1996}, month={Jul}, pages={253-259} }

@article{Kerwin_Dixon_1998, address={Champaign, IL, USA}, title={The influence of heel lift manipulation on Achilles tendon loading in running [in] Journal of Applied Biomechanics, Vol.14}, volume={14}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=6139359&site=eds-live&scope=site}, journal={Journal of Applied Biomechanics}, publisher={Human Kinetics},

author={Kerwin, D. G. and Dixon, S. J. }, year={1998}, pages={374-389} }

@article{Komi_1990, title={Relevance of in vivo force measurements to human biomechanics [in] Journal of Biomechanics, Vol.23}, volume={23}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPHS-598468&site=eds-live&scope=site}, journal={Journal of Biomechanics}, author={Komi, Paavo V.}, year={1990}, pages={23-34} }

@article{Kuitunen_Komi_Kyrolainen_2002, address={Iowa}, title={Knee and ankle joint stiffness in sprint running [in] Medicine and Science in Sports and Exercise, Vol.34, No.1}, volume={34}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPHS-801411&site=eds-live&scope=site}, number={1}, journal={Medicine and Science in Sports and Exercise}, publisher={American College of Sports Medicine}, author={Kuitunen, S. and Komi, P. V. and Kyrolainen, H.}, year={2002}, pages={166-173} }

@article{Lafortune_1997, address={Champaign, IL, USA}, title={New approach to assess in vivo rearfoot control of court footwear during sidestepping moves [in] Journal of applied biomechanics, Vol.13, No.2}, volume={13}, url={https://contentstore.cla.co.uk/secure/link?id=7321e665-1bf3-e811-80cd-005056af4099}, number={2}, journal={Journal of applied biomechanics}, publisher={Human Kinetics}, author={Lafortune, M. A.}, year={1997}, pages={197-204} }

@article{Lafortune_Hennig_Lake_1996a, title={Dominant role of interface over knee angle for cushioning impact loading and regulating initial leg stiffness [in] Journal of Biomechanics, Vol.29, No.12}, volume={29}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edo&AN=ejs10417339&site=eds-live&scope=site}, number={12}, journal={Journal of Biomechanics}, author={Lafortune, Mario A. and Hennig, Ewald M. and Lake, Mark J.}, year={1996}, pages={1523-1529} }

@article{Lafortune_Hennig_Lake_1996b, title={Dominant role of interface over knee angle for cushioning impact loading and regulating initial leg stiffness [in] Journal of Biomechanics, Vol.29, No.12}, volume={29}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edo&AN=ejs10417339&site=eds-live&scope=site}, number={12}, journal={Journal of Biomechanics}, author={Lafortune, Mario A. and Hennig, Ewald M. and Lake, Mark J.}, year={1996}, month={Dec}, pages={1523-1529} }

@article{Lafortune_Lake_1995, title={Human pendulum approach to simulate and quantify locomotor impact loading [in] Journal of Biomechanics, Vol.28, No.9}, volume={28}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.sciencedirect.com/science/article/pii/002192909500002Y}, number={9}, journal={Journal of Biomechanics}, author={Lafortune, Mario A. and Lake, Mark J.}, year={1995}, month={Sep}, pages={1111-1114} }

@article{Lichtwark_Wilson_2006, title={Interactions between the human gastrocnemius muscle and the Achilles tendon during incline, level and decline locomotion [in] Journal of

Experimental Biology, Vol.209, No.21}, volume={209},
 url={http://jeb.biologists.org/content/209/21/4379.full}, DOI={10.1242/jeb.02434},
 number={21}, journal={Journal of Experimental Biology}, author={Lichtwark, G. A. and
 Wilson, A. M.}, year={2006}, pages={4379-4388} }

@article{Lieberman_Venkadesan_Werbel_Daoud_D'Andrea_Davis_Mang'Eni_Pitsiladis_2010, title={Foot strike patterns and collision forces in habitually barefoot versus shod runners [in] Nature, Vol.463, No.7280}, volume={463},
 url={http://www.nature.com/nature/journal/v463/n7280/full/nature08723.html},
 number={7280}, journal={Nature}, author={Lieberman, Daniel E. and Venkadesan, Madhusudhan and Werbel, William A. and Daoud, Adam I. and D'Andrea, Susan and Davis, Irene S. and Mang'Eni, Robert Ojiambo and Pitsiladis, Yannis}, year={2010},
 month={Jan}, pages={531-535} }

@article{Low_Dixon_2010, title={Footscan pressure insoles: accuracy and reliability of force and pressure measurements in running [in] Gait & Posture, Vol.32, No.4}, volume={32},
 url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=55057093&site=eds-live&scope=site},
 number={4}, journal={Gait & Posture}, author={Low, D. C. and Dixon, S. J.},
 year={2010}, pages={664-666} }

@inbook{McMahon_Greene_1984, address={Champaign, IL}, title={The Influence of Track Compliance on Running [in] Sport Shoes and Playing Surfaces: Biomechanical Properties},
 url={https://contentstore.cla.co.uk/secure/link?id=57288137-a35f-e611-80c6-005056af4099}, booktitle={Sport Shoes and Playing Surfaces: Biomechanical Properties},
 publisher={Human Kinetics}, author={McMahon, T. A. and Greene, P. R.}, year={1984},
 pages={138-162} }

@article{1975a, address={New York}, title={Force plate designs and applications [in] Exercise and sport sciences reviews}, volume={3},
 url={https://contentstore.cla.co.uk/secure/link?id=2c8886f8-1cf3-e811-80cd-005056af4099}, journal={Exercise and sport sciences reviews}, publisher={Academic Press},
 author={Melvin R. Ramey}, year={1975}, pages={303-319} }

@article{1975b, address={New York}, title={Force plate designs and applications [in] Exercise and sport sciences reviews}, volume={3},
 url={https://contentstore.cla.co.uk/secure/link?id=2c8886f8-1cf3-e811-80cd-005056af4099}, journal={Exercise and sport sciences reviews}, publisher={Academic Press},
 author={Melvin R. Ramey}, year={1975}, pages={303-319} }

@article{Messier_Pittala_1988, address={Iowa}, title={Etiologic factors associated with selected running injuries [in] Medicine and science in sports and exercise, Vol.20, No.5}, volume={20},
 url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPH230288&site=eds-live&scope=site},
 number={5}, journal={Medicine and science in sports and exercise},
 publisher={American College of Sports Medicine}, author={Messier, S. P. and Pittala, K. A.}, year={1988}, pages={501-505} }

@article{Milani_Schnabel_Hennig_1995, address={Champaign, IL, USA}, title={Rearfoot motion and pressure distribution patterns during running in shoes with varus and valgus wedges [in] Journal of Applied Biomechanics, Vol.11}, volume={11}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=20725400&site=eds-live&scope=site}, journal={Journal of Applied Biomechanics}, publisher={Human Kinetics}, author={Milani, T. L. and Schnabel, G. and Hennig, E. M.}, year={1995}, pages={177-187} }

@inbook{Miller_1990a, address={Champaign, IL}, title={Chapter 8: Ground reaction forces in distance running [in] Biomechanics of Distance Running}, url={https://contentstore.cla.co.uk/secure/link?id=481344d2-9e5f-e611-80c6-005056af4099}, booktitle={Biomechanics of Distance Running}, publisher={Human Kinetics Books}, author={Miller, D. I.}, year={1990}, pages={203-224} }

@inbook{Miller_1990b, address={Champaign, IL}, title={Chapter 8.Ground reaction forces in distance running [in] Biomechanics of Distance Running}, url={https://contentstore.cla.co.uk/secure/link?id=481344d2-9e5f-e611-80c6-005056af4099}, booktitle={Biomechanics of Distance Running}, publisher={Human Kinetics Books}, author={Miller, D. I.}, year={1990}, pages={203-223} }

@inbook{Nigg_2007, address={Chichester, West Sussex, England}, edition={3rd ed}, title={Pressure Distribution [in] Biomechanics of the Musculo-Skeletal System}, url={https://contentstore.cla.co.uk/secure/link?id=4989093b-9d60-e611-80c6-005056af4099}, booktitle={Biomechanics of the Musculo-Skeletal System}, publisher={John Wiley & Sons}, author={Nigg, B M}, year={2007}, pages={334-342} }

@inbook{Nigg_Herzog_2007a, address={Chichester, West Sussex, England}, edition={3rd ed}, title={Chapter 3. Measuring Techniques [in] Biomechanics of the Musculo-Skeletal System}, url={https://contentstore.cla.co.uk/secure/link?id=c14c9fb3-0c5f-e611-80c6-005056af4099}, booktitle={Biomechanics of the Musculo-Skeletal System}, publisher={John Wiley & Sons}, author={Nigg, B. M. and Herzog, W.}, year={2007}, pages={293-333} }

@article{Nigg_Yeadon_1987, address={London}, title={Biomechanical aspects of playing surfaces [in] Journal of Sports Sciences, Vol.5}, volume={5}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.tandfonline.com/doi/abs/10.1080/02640418708729771}, journal={Journal of Sports Sciences}, publisher={Spon}, author={Nigg, B. M. and Yeadon, M. R.}, year={1987}, pages={117-145} }

@article{Nigg_2009, title={Biomechanical considerations on barefoot movement and barefoot shoe concepts [in] Footwear Science, Vol.1, No.2}, volume={1}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=45483918&site=eds-live&scope=site}, number={2}, journal={Footwear Science}, author={Nigg, Benno}, year={2009}, month={Jun}, pages={73-79} }

@book{Nigg_1985, address={Champaign, IL}, title={Biomechanics of Running Shoes}, publisher={Human Kinetics Publishers}, author={Nigg, Benno M.}, year={1985} }

@book{Nigg_Herzog (eds)_1999, address={Chichester}, edition={2nd ed}, title={Biomechanics of the Musculo-Skeletal System}, publisher={Wiley}, author={Nigg, Benno M. and Herzog (eds), Walter}, year={1999} }

@book{Nigg_Stefanyshyn_Cole_2003, address={Calgary}, title={Sport surfaces: biomechanics, injuries, performance, testing, installation}, publisher={University Of Calgary, Human Performance Laboratory}, author={Nigg, Benno M. and Stefanyshyn, Darren J. and Cole, Gerald K.}, year={2003} }

@book{Nigg_Herzog_2007b, address={Chichester, West Sussex, England}, edition={3rd ed}, title={Biomechanics of the Musculo-Skeletal System}, publisher={John Wiley & Sons}, author={Nigg, Benno Maurus and Herzog, W.}, year={2007} }

@book{Nigg_Herzog_2007c, address={Chichester, West Sussex, England}, edition={3rd ed}, title={Biomechanics of the Musculo-Skeletal System}, publisher={John Wiley & Sons}, author={Nigg, Benno Maurus and Herzog, W.}, year={2007} }

@article{Nigg_Herzog_Read_1988, title={Effect of viscoelastic shoe insoles on vertical impact forces in heel-toe running [in] American Journal of Sports Medicine, Vol.16, No.1}, volume={16}, url={https://contentstore.cla.co.uk/secure/link?id=0d6f912e-46f2-e811-80cd-005056af4099}, DOI={10.1177/036354658801600113}, number={1}, journal={The American Journal of Sports Medicine}, author={Nigg, B.M. and Herzog, W. and Read, L.J.}, year={1988}, month={Jan}, pages={70-76} }

@article{Nordin_Dufek_Mercer_2017, title={Three-dimensional impact kinetics with foot-strike manipulations during running [in] Journal of Sport and Health Sciences}, volume={6}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000418699400019&site=eds-live&scope=site}, number={4}, journal={Journal of Sport and Health Science}, author={Nordin, Andrew D. and Dufek, Janet S. and Mercer, John A.}, year={2017}, month={Dec}, pages={489-497} }

@article{O'Leary_Anderson Vorpahl_Heiderscheit, title={Effect of Cushioned Insoles on Impact Forces During Running [in] Journal of the American Podiatric Medical Association, Vol.98, No.1}, volume={98}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=amed&AN=0107349&site=eds-live&scope=site}, number={1}, journal={Journal of the American Podiatric Medical Association}, author={O'Leary, K. and Anderson Vorpahl, K. and Heiderscheit, B.}, pages={36-41} }

@article{Reinschmidt_Nigg_1995, address={Iowa}, title={The influence of heel height on ankle joint moments in running [in] Medicine and Science in Sports and Exercise, Vol.27}, volume={27}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPH373370&site=eds-live&scope=site}, journal={Medicine and Science in Sports and Exercise}, publisher={American College of Sports Medicine}, author={Reinschmidt, C. and Nigg, B. M.}, year={1995}, pages={410-492} }

@article{Rugg_Gregor_Mandelbaum_Chui_1990, title={In vivo moment arm calculations at the ankle using magnetic resonance imaging (MRI) [in] Journal of Biomechanics, Vol.23, No.5}, volume={23}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=002192909090305M&site=eds-live&scope=}

site}, number={5}, journal={Journal of Biomechanics}, author={Rugg, S.G. and Gregor, R. J. and Mandelbaum, B. R. and Chiu, L.}, year={1990}, pages={495-501} }

@article{Scott_Winter_1990, address={Iowa}, title={Internal forces at chronic running injury sites [in] Medicine and Science in Sports and Exercise, Vol.22}, volume={22}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPH259753&site=eds-live&scope=site}, journal={Medicine and Science in Sports and Exercise}, publisher={American College of Sports Medicine}, author={Scott, S. H. and Winter, D. A.}, year={1990}, pages={357-369} }

@article{Shorten_Mientjes_2011, title={The 'heel impact' force peak during running is neither 'heel' nor 'impact' and does not quantify shoe cushioning effects [in] Footwear Science, Vol.3, No.1}, volume={3}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.tandfonline.com/doi/abs/10.1080/19424280.2010.542186}, number={1}, journal={Footwear Science}, author={Shorten, Martyn and Mientjes, Martine I.V.}, year={2011}, month={Mar}, pages={41-58} }

@article{Simpson_Bates_1990, address={Champaign, IL}, title={The effects of running speed on lower extremity joint moments generated during the support phase [in] International Journal of Sport Biomechanics, Vol.6}, volume={6}, journal={International Journal of Sport Biomechanics}, publisher={Human Kinetics}, author={Simpson, K. J. and Bates, B. T.}, year={1990}, pages={309-324} }

@article{Stiles_2011, address={Champaign, IL, USA}, title={Biomechanical Response to Changes in Natural Turf during Running and Turning [in] Journal of Applied Biomechanics, Vol.27, No.1}, volume={27}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=59560459&site=eds-live&scope=site}, number={1}, journal={Journal of Applied Biomechanics}, publisher={Human Kinetics}, author={Stiles, V. H.}, year={2011}, pages={54-63} }

@misc{Stiles_Dixon_2003, title={The biomechanical assessment of tennis surface cushioning properties during a tennis specific movement (long abstract)}, url={https://isbweb.org/images/conf/2003/html/_longAbstractsByAuthor.html}, journal={International Society of Biomechanics XIXth Congress}, author={Stiles, V. H. and Dixon, S. J.}, year={2003} }

@article{Stiles_Dixon_2006, address={Champaign, IL, USA}, title={The influence of different playing surfaces on the biomechanics of a tennis running forehand foot plant [in] Journal of Applied Biomechanics, Vol.22}, volume={22}, url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=19420344&site=eds-live&scope=site}, journal={Journal of Applied Biomechanics}, publisher={Human Kinetics}, author={Stiles, V. H. and Dixon, S. J.}, year={2006}, pages={14-24} }

@article{Stiles_Dixon_2007, title={Biomechanical response to systematic changes in impact interface cushioning properties while performing a tennis-specific movement [in] Journal of Sports Sciences, Vol.25, No.11}, volume={25}, url={https://uoelibrary.idm.oclc.org/login?url=http://www.tandfonline.com/doi/abs/10.1080/02640410600983616}, number={11}, journal={Journal of Sports Sciences}, author={Stiles, Victoria and Dixon, Sharon}, year={2007}, month={Sep},

pages={1229-1239} }

@article{Stiles_James_Dixon_Guisasola_2009, title={Natural Turf Surfaces [in] Sports Medicine, Vol.39, No.1}, volume={39},
url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=37709635&site=eds-live&scope=site},
number={1}, journal={Sports Medicine}, author={Stiles, Victoria H. and James, Iain T. and Dixon, Sharon J. and Guisasola, Igor N.}, year={2009}, pages={65-84} }

@article{Subotnick_1985, address={Auckland, N.Z.}, title={The biomechanics of running: implications for the prevention of foot injuries [in] Sports Medicine, Vol.2}, volume={2},
url={https://uoelibrary.idm.oclc.org/login?url=http://link.springer.com/article/10.2165/00007256-198502020-00006}, journal={Sports Medicine}, publisher={Adis Press},
author={Subotnick, S. I.}, year={1985}, pages={144-153} }

@article{Tessutti_Trombini-Souza_Ribeiro_Nunes_Sacco_2010, title={In-shoe plantar pressure distribution during running on natural grass and asphalt in recreational runners [in] Journal of Science and Medicine in Sport, Vol.13, No.1}, volume={13},
url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=47113632&site=eds-live&scope=site},
number={1}, journal={Journal of Science and Medicine in Sport}, author={Tessutti, Vitor and Trombini-Souza, Francis and Ribeiro, Ana Paula and Nunes, Ana Luiza and Sacco, Isabel de Camargo Neves}, year={2010}, pages={151-155} }

@article{Walker_Blair_2001, title={An experimental review of the McMahon/Cheng model of running [in] Sports Engineering, Vol.4, No.3}, volume={4},
url={https://contentstore.cla.co.uk/secure/link?id=33ce8407-5568-e611-80c6-005056af4099}, DOI={10.1046/j.1460-2687.2001.00075.x}, number={3}, journal={Sports Engineering}, author={Walker, C. and Blair, R.}, year={2001}, pages={113-121} }

@article{Windle_Gregory_Dixon_1999, title={The shock attenuation characteristics of four different insoles when worn in a military boot during running and marching [in] Gait & Posture, Vol.9, No.1}, volume={9},
url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPHS-784620&site=eds-live&scope=site},
number={1}, journal={Gait & Posture}, author={Windle, Carol M. and Gregory, Sarah M. and Dixon, Sharon J.}, year={1999}, month={Mar}, pages={31-37} }

@article{Winter_1980, title={Overall principle of lower limb support during stance phase of gait [in] Journal of Biomechanics, Vol.13, No.11}, volume={13},
url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPH196667&site=eds-live&scope=site},
number={11}, journal={Journal of Biomechanics}, author={Winter, David A.}, year={1980}, pages={923-927} }

@article{Winter_1983, title={Moments of force and mechanical power in jogging [in] Journal of Biomechanics, Vol.16, No.1}, volume={16},
url={https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=sph&AN=SPH174380&site=eds-live&scope=site},
number={1}, journal={Journal of Biomechanics}, author={Winter, David A.}, year={1983}, pages={91-97} }

@misc{Sports Science - LibGuides at University of Exeter,
url={ <http://libguides.exeter.ac.uk/SportsScienceHomePage> } }