Richard Smith

List of Publications by Year
in descending order

108	3,286	136950	161849
papers	citations	32 h-index	54 g-index

110	110	110	3239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The association of external knee adduction moment with biomechanical variables in osteoarthritis: A systematic review. Knee, 2009, 16, 303-309.	1.6	200
2	Mechanics and control of the flat versus normal foot during the stance phase of walking. Clinical Biomechanics, 2004, 19, 391-397.	1.2	177
3	Inter-segment foot motion and ground reaction forces over the stance phase of walking. Clinical Biomechanics, 2001, 16, 592-600.	1.2	167
4	Patterns of spinal motion during walking. Gait and Posture, 1997, 5, 6-12.	1.4	152
5	Three-dimensional kinematics of the forefoot, rearfoot, and leg without the function of tibialis posterior in comparison with normals during stance phase of walking. Clinical Biomechanics, 1999, 14, 14-23.	1.2	120
6	Chronic Ankle Instability in Sporting Populations. Sports Medicine, 2014, 44, 1545-1556.	6.5	116
7	Age, gender and speed effects on spinal kinematics during walking. Gait and Posture, 1997, 5, 13-20.	1.4	98
8	Determinants of kayak paddling performance. Sports Biomechanics, 2009, 8, 167-179.	1.6	92
9	Lower limb muscle strengthening does not change frontal plane moments in women with knee osteoarthritis: A randomized controlled trial. Clinical Biomechanics, 2011, 26, 167-174.	1.2	92
10	Biomechanics feedback for rowing. Journal of Sports Sciences, 2002, 20, 783-791.	2.0	86
11	Extrinsic Muscle Activity, Foot Motion and Ankle Joint Moments During the Stance Phase of Walking. Foot and Ankle International, 2001, 22, 31-41.	2.3	85
12	Kinship in Britain and beyond from the early modern to the present: introduction. Continuity and Change, 2010, 25, 13-14.	0.2	81
13	Microscopic observations of the progressive wear on shoe surfaces that affect the slip resistance characteristics. International Journal of Industrial Ergonomics, 2001, 28, 17-29.	2.6	77
14	Discriminant analysis of biomechanical differences between novice, good and elite rowers. Journal of Sports Sciences, 1995, 13, 377-385.	2.0	76
15	A SOSEKI-based coordinate system interprets global polarity cues in Arabidopsis. Nature Plants, 2019, 5, 160-166.	9.3	71
16	Medial Longitudinal Arch of the Foot: Stationary Versus Walking Measures. Foot and Ankle International, 1999, 20, 112-118.	2.3	67
17	Observation of the floor surface topography changes in pedestrian slip resistance measurements. International Journal of Industrial Ergonomics, 2000, 26, 581-601.	2.6	67
18	Effect of stroke rate on the distribution of net mechanical power in rowing. Journal of Sports Sciences, 2007, 25, 403-411.	2.0	67

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19	Resistive Exercise for Arthritic Cartilage Health (REACH): A randomized double-blind, sham-exercise controlled trial. BMC Geriatrics, 2009, 9, 1.	2.7	64
20	Static trunk posture in sitting and standing during pregnancy and early postpartum. Archives of Physical Medicine and Rehabilitation, 2002, 83, 1739-1744.	0.9	59
21	Static measures of calcaneal deviation and arch angle as predictors of rearfoot motion during walking. Australian Journal of Physiotherapy, 2000, 46, 9-16.	0.9	55
22	The metabolic demands of kayaking: a review. Journal of Sports Science and Medicine, 2008, 7, 1-7.	1.6	54
23	Impact attenuation during weight bearing activities in barefoot vs. shod conditions: A systematic review. Gait and Posture, 2013, 38, 175-186.	1.4	46
24	Progressive resistance training and dynamic alignment in osteoarthritis: A single-blind randomised controlled trial. Clinical Biomechanics, 2011, 26, 71-77.	1.2	44
25	Postural control during stance in paraplegia: Effects of medially linked versus unlinked knee-ankle-foot orthoses. Archives of Physical Medicine and Rehabilitation, 1999, 80, 1558-1565.	0.9	43
26	The identification of risk factors for ankle sprains sustained during netball participation. Physical Therapy in Sport, 2017, 23, 31-36.	1.9	43
27	Effect of pregnancy on trunk range of motion when sitting and standing. Acta Obstetricia Et Gynecologica Scandinavica, 2002, 81, 1011-1020.	2.8	42
28	Dynamic alignment and its association with knee adduction moment in medial knee osteoarthritis. Knee, 2010, 17, 210-216.	1.6	41
29	The effects of unilateral grab rail assistance on the sit-to-stand performance of older aged adults. Human Movement Science, 2006, 25, 257-274.	1.4	38
30	Rising to stand from a chair: Symmetry, and frontal and transverse plane kinematics and kinetics. Gait and Posture, 2008, 27, 8-15.	1.4	38
31	A force profile analysis comparison between functional data analysis, statistical parametric mapping and statistical non-parametric mapping in on-water single sculling. Journal of Science and Medicine in Sport, 2018, 21, 1100-1105.	1.3	37
32	Bilateral, simultaneous, spontaneous rupture of quadriceps tendons without trauma in an obese patient: A case report. Archives of Physical Medicine and Rehabilitation, 2001, 82, 415-418.	0.9	35
33	Effect of thong style flipâ€flops on children's barefoot walking and jogging kinematics. Journal of Foot and Ankle Research, 2013, 6, 8.	1.9	33
34	Asymmetry in elite rowers: effect of ergometer design and stroke rate. Sports Biomechanics, 2015, 14, 310-322.	1.6	29
35	Superior orientation discrimination and increased peak gamma frequency in autism spectrum conditions.. Journal of Abnormal Psychology, 2016, 125, 412-422.	1.9	27
36	Considerations for the use of functional principal components analysis in sports biomechanics: examples from on-water rowing. Sports Biomechanics, 2019, 18, 317-341.	1.6	26

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37	Independent assessment of pattern and offset variability of time series waveforms. Gait and Posture, 2009, 29, 285-289.	1.4	25
38	The effect of external ankle support on knee and ankle joint movement and loading in netball players. Journal of Science and Medicine in Sport, 2014, 17, 511-515.	1.3	25
39	A snapshot of chronic ankle instability in a cohort of netball players. Journal of Science and Medicine in Sport, 2016, 19, 379-383.	1.3	25
40	Effects of Strengthening and Stretching Exercises on the Temporospatial Gait Parameters in Patients With Plantar Fasciitis: A Randomized Controlled Trial. Annals of Rehabilitation Medicine, 2019, 43, 662-676.	1.6	25
41	Over 50 Years of Researching Force Profiles in Rowing: What Do We Know?. Sports Medicine, 2018, 48, 2703-2714.	6.5	24
42	The dynamics of elite paddling on a kayak simulator. Journal of Sports Sciences, 2012, 30, 661-668.	2.0	23
43	Measuring utility values for QALYs: Two methodological issues. Health Economics (United Kingdom), 1993, 2, 349-355.	1.7	22
44	Risk factors for death and emergency transfer in acute and subacute inpatient rehabilitation. Archives of Physical Medicine and Rehabilitation, 1996, 77, 1049-1055.	0.9	21
45	A longitudinal study of the effect of pregnancy on rising to stand from a chair. Journal of Biomechanics, 2008, 41, 779-787.	2.1	21
46	Effect of footwear on dancers: a systematic review. Journal of Dance Medicine and Science, 2011, 15, 86-92.	0.7	21
47	The impact of simulated ankle plantarflexion contracture on the knee joint during stance phase of gait: A within-subject study. Clinical Biomechanics, 2014, 29, 423-428.	1.2	20
48	Adults with autism spectrum conditions experience increased levels of anomalous perception. PLoS ONE, 2017, 12, e0177804.	2.5	20
49	Biomechanical analysis of dragon boat paddling: A comparison of elite and sub-elite paddlers. Journal of Sports Sciences, 2009, 27, 37-47.	2.0	19
50	Coordination of the ankle joint complex during walking. Human Movement Science, 2001, 20, 447-460.	1.4	18
51	A new paradigm for human stick balancing: a suspended not an inverted pendulum. Experimental Brain Research, 2012, 221, 309-328.	1.5	17
52	In-shoe multi-segment foot kinematics of children during the propulsive phase of walking and running. Human Movement Science, 2015, 39, 200-211.	1.4	17
53	Differences between Grab Rail Position and Orientation during the Assisted Sit-to-Stand for Able-Bodied Older Adults. Journal of Applied Biomechanics, 2005, 21, 57-71.	0.8	15
54	Relative shank to thigh length is associated with different mechanisms of power production during elite male ergometer rowing. Sports Biomechanics, 2009, 8, 302-317.	1.6	15

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55	Knee loading patterns in a simulated netball landing task. European Journal of Sport Science, 2013, 13, 475-482.	2.7	15
56	Bivariate functional principal components analysis: considerations for use with multivariate movement signatures in sports biomechanics. Sports Biomechanics, 2019, 18, 10-27.	1.6	15
57	Survey of the Effects of Aerobic Dance on the Lower Extremity in Aerobic Instructors. Journal of the American Podiatric Medical Association, 2001, 91, 528-532.	0.3	14
58	Mechanics of Jazz Shoes and Their Effect on Pointing in Child Dancers. Journal of Applied Biomechanics, 2012, 28, 242-248.	0.8	13
59	Efficacy and stability performance of traditional versus motion sensor-assisted strategies for FES standing. Journal of Biomechanics, 2009, 42, 1332-1338.	2.1	12
60	Functional electrical stimulation elliptical stepping versus cycling in spinal cord-injured individuals. Clinical Biomechanics, 2012, 27, 731-737.	1.2	12
61	Identifying Coordinative Structure Using Principal Component Analysis Based on Coherence Derived From Linear Systems Analysis. Journal of Motor Behavior, 2013, 45, 167-179.	0.9	11
62	Kinematic Analysis of SautÃ©s in Barefoot and Shod Conditions. Journal of Dance Medicine and Science, 2014, 18, 149-158.	0.7	11
63	Musculo-skeletal modelling of NMES-evoked knee extension in spinal cord injury. Journal of Biomechanics, 2006, 39, 483-492.	2.1	10
64	Effect of gender and stroke rate on joint power characteristics of the upper extremity during simulated rowing. Journal of Sports Sciences, 2012, 30, 449-458.	2.0	10
65	Evoked EMG versus Muscle Torque during Fatiguing Functional Electrical Stimulation-Evoked Muscle Contractions and Short-Term Recovery in Individuals with Spinal Cord Injury. Sensors, 2014, 14, 22907-22920.	3.8	10
66	Biomechanical effects of sensorimotor orthoses in adults with Charcotâ€“Marieâ€“Tooth disease. Prosthetics and Orthotics International, 2016, 40, 436-446.	1.0	10
67	Effects of age, gender and speed on three dimensional lumbar spine kinematics. Australian Journal of Physiotherapy, 1995, 41, 245-253.	0.9	9
68	Carcinoma of the uterine cervix metastatic to behind the zygomatic arch: A case report. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 1999, 20, 195-197.	1.3	9
69	Evoked EMG and Muscle Fatigue During Isokinetic FES-Cycling in Individuals With SCI. Neuromodulation, 2011, 14, 349-355.	0.8	9
70	Planar parathyroid localization scintigraphy. Nuclear Medicine Communications, 2013, 34, 582-589.	1.1	7
71	Cardiorespiratory and Muscle Metabolic Responses During Conventional Versus Motion Sensorâ€Assisted Strategies for Functional Electrical Stimulation Standing After Spinal Cord Injury. Artificial Organs, 2015, 39, 855-862.	1.9	7
72	The effect of joint angle on the timing of muscle contractions elicited by neuromuscular electrical stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2004, 12, 303-306.	4.9	6

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73	Impact attenuation properties of jazz shoes alter lower limb joint stiffness during jump landings. Journal of Science and Medicine in Sport, 2017, 20, 464-468.	1.3	6
74	How gender and boat-side affect shape characteristics of forceâ€“angle profiles in single sculling: Insights from functional data analysis. Journal of Science and Medicine in Sport, 2018, 21, 533-537.	1.3	6
75	Increased Patellar Volume/Width and Decreased Femoral Trochlear Width Are Associated With Adolescent Patellofemoral Pain. Clinical Orthopaedics and Related Research, 2018, 476, 2334-2343.	1.5	6
76	Classification of Gait Patterns Using Kinematic and Kinetic Features, Gait Dynamics and Neural Networks in Patients with Unilateral Anterior Cruciate Ligament Deficiency. Neural Processing Letters, 2019, 50, 887-909.	3.2	6
77	Interpretation of Ankle Joint Moments during the Stance Phase of Walking: A Comparison of Two Orthogonal Axes Systems. Journal of Applied Biomechanics, 2001, 17, 173-180.	0.8	5
78	ACR Appropriateness CriteriaÂ®: Localâ€“Regional Therapy for Resectable Oropharyngeal Squamous Cell Carcinomas. Current Problems in Cancer, 2010, 34, 175-192.	2.0	5
79	Home Urine C-Peptide Creatinine Ratio Can Be Used to Monitor Islet Transplant Function: Figure 1. Diabetes Care, 2014, 37, 1737-1740.	8.6	5
80	Thai version of the foot function index: a cross-cultural adaptation with reliability and validity evaluation. BMC Sports Science, Medicine and Rehabilitation, 2020, 12, 56.	1.7	5
81	Differences between grab rail position and orientation during the assisted sit-to-stand for able-bodied older adults. Journal of Applied Biomechanics, 2005, 21, 57-71.	0.8	5
82	Train High Eat Low for Osteoarthritis study (THE LO study): protocol for a randomized controlled trial. Journal of Physiotherapy, 2015, 61, 217.	1.7	4
83	Perceptual and motor learning underlies human stick-balancing skill. Journal of Neurophysiology, 2015, 113, 156-171.	1.8	4
84	A novel motion sensor-driven control system for FES-assisted walking after spinal cord injury: A pilot study. Medical Engineering and Physics, 2016, 38, 1223-1231.	1.7	4
85	Pancreas and islet transplantation. Current Opinion in Organ Transplantation, 2015, 20, 211-215.	1.6	3
86	The Effect of Fatigue on the Timing of Electrical Stimulation-Evoked Muscle Contractions in People with Spinal Cord Injury. Neuromodulation, 2004, 7, 214-222.	0.8	2
87	The Reliability and Validity of a Three-Camera Foot Image System for Obtaining Foot Anthropometrics. Journal of Applied Biomechanics, 2010, 26, 349-356.	0.8	2
88	Juvenile granulosa cell tumour with hepatocyteâ€like cells and raised serum alphaâ€fetoprotein. Histopathology, 2010, 57, 637-641.	2.9	2
89	Effect of sports shoes on children's vertical jump performance and midfoot and ankle kinetics. Footwear Science, 2013, 5, S58-S59.	2.1	2
90	Anti-class II MHC antibodies prevent and treat EAE without antigen presenting cell depletion. Journal of Neuroimmunology, 1994, 52, 112-113.	2.3	1

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91	The impact of an educational program on HCV patient outcomes using boceprevir in community practices (OPTIMAL trial). Therapeutic Advances in Gastroenterology, 2015, 8, 263-269.	3.2	1
92	SonicSeat: design and evaluation of a seat position tracker based on ultrasonic sound measurements for rowing technique analysis. Journal of Ambient Intelligence and Humanized Computing, 2015, 6, 613-622.	4.9	1
93	Side-to-Side Differences in Varus Thrust and Knee Abduction Moment in High-Functioning Individuals With Chronic Anterior Cruciate Ligament Deficiency. American Journal of Sports Medicine, 2019, 47, 590-597.	4.2	1
94	A Comparison of Placement in First-Year University Mathematics Courses Using Paper and Online Administration of a Placement Test. International Electronic Journal of Mathematics Education, 2008, 3, 193-202.	0.7	1
95	The NHS is falling down, my iron lady. Medical Journal of Australia, 1986, 145, 652-653.	1.7	0
96	Appraisal in London Underground: commercialism and welfare maximisation. Project Appraisal, 1992, 7, 219-228.	0.2	0
97	Anesthesia rebreathing bags: Physical characteristics and use as portable oxygen reservoirs. Journal of Clinical Anesthesia, 1992, 4, 304-309.	1.6	0
98	The effect of position of immobilisation on resting length, resting stiffness and weight of rabbit soleus muscle. Journal of Biomechanics, 1992, 25, 804.	2.1	0
99	A comparison of two methods of assessing mechanical energy expenditure during maximal ergometer rowing. Journal of Biomechanics, 1994, 27, 689.	2.1	0
100	The child and the environment. International Journal of Pediatric Otorhinolaryngology, 1994, 30, 247-248.	1.0	0
101	Interactions of CD55 with non-C ligands. Biochemical Society Transactions, 2002, 30, A99-A99.	3.4	0
102	Use of Skin Grafting to Demonstrate Tolerance Prior to Kidney Transplantation without Immunosuppression in the Recipient of a Previous Bone Marrow Transplant: Response. Transplantation, 2005, 80, 1356-1357.	1.0	0
103	Effect of sports shoes on midfoot power generation in children while walking and running. Footwear Science, 2013, 5, S55-S56.	2.1	0
104	The effect of jazz shoe design on impact attenuation. Footwear Science, 2013, 5, S124-S125.	2.1	0
105	Fine Needle Aspiration of an Unusual Malignant Mixed Tumor in the Parotid Gland. Laboratory Medicine, 2014, 45, 141-146.	1.2	0
106	Robert J. Mayhew. Malthus: The Life and Legacies of an Untimely Prophet. Cambridge, MA: The Belknap Press of Harvard University Press, 2014. Pp. 304. $29.95 (cloth).. Journal of British Studies, 2015, 54, 737-738.	0.0	0
107	A Caring County? Social Welfare in Hertfordshire from 1600. Social History, 2015, 40, 544-546.	0.2	0
108	To young physicians: why Michigan is your future. Michigan Medicine, 2009, 108, 32.	0.1	0