

Dirkjan H E J Veeger

List of Publications by Year in descending order

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195
papers

12,323
citations

36691

53
h-index

32181

105
g-index

203
all docs

203
docs citations

203
times ranked

7071
citing authors

#	ARTICLE	IF	CITATIONS
1	MRI evaluation of shoulder pathologies in wheelchair users with spinal cord injury and the relation to shoulder pain. <i>Journal of Spinal Cord Medicine</i> , 2022, 45, 916-929.	0.7	13
2	Obtaining wheelchair kinematics with one sensor only? The trade-off between number of inertial sensors and accuracy for measuring wheelchair mobility performance in sports. <i>Journal of Biomechanics</i> , 2022, 130, 110879.	0.9	8
3	Shoulder kinematics and muscle activity following latissimus dorsi transfer for massive irreparable posterosuperior rotator cuff tears in shoulders with pseudoparalysis. <i>Journal of Shoulder and Elbow Surgery</i> , 2022, 31, 1357-1367.	1.2	4
4	Learning of Wheelchair Racing Propulsion Skills Over Three Weeks of Wheeling Practice on an Instrumented Ergometer in Able-Bodied Novices. <i>Frontiers in Rehabilitation Sciences</i> , 2022, 3, .	0.5	2
5	Feasibility of a home-based physiotherapy intervention to promote post-stroke mobility: A randomized controlled pilot study. <i>PLoS ONE</i> , 2022, 17, e0256455.	1.1	6
6	Quantifying Within-Individual Elbow Load Variability in Youth Elite Baseball Pitchers and Its Role in Overuse Injuries. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6549.	1.3	4
7	Influence of biomechanical models on joint kinematics and kinetics in baseball pitching. <i>Sports Biomechanics</i> , 2021, 20, 96-108.	0.8	2
8	The ulnar collateral ligament loading paradox between in-vitro and in-vivo studies on baseball pitching (narrative review). <i>International Biomechanics</i> , 2021, 8, 19-29.	0.9	7
9	Machine Learning to Improve Orientation Estimation in Sports Situations Challenging for Inertial Sensor Use. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 670263.	0.9	10
10	Individualised Ball Speed Prediction in Baseball Pitching Based on IMU Data. <i>Sensors</i> , 2021, 21, 7442.	2.1	5
11	Establishing the Role of Elbow Muscles by Evaluating Muscle Activation and Co-contraction Levels at Maximal External Rotation in Fastball Pitching. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 698592.	0.9	6
12	Physiological and biomechanical comparison of overground, treadmill, and ergometer handrim wheelchair propulsion in able-bodied subjects under standardized conditions. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 136.	2.4	8
13	Effects of seat height, wheelchair mass and additional grip on a field-based wheelchair basketball mobility performance test. <i>Technology and Disability</i> , 2020, 32, 93-102.	0.3	6
14	Technical Note: A Novel Servo-Driven Dual-Roller Handrim Wheelchair Ergometer. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 953-960.	2.7	14
15	Effects of a Disturbed Kinetic Chain in the Fastball Pitch on Elbow Kinetics and Ball Speed. <i>Proceedings (mdpi)</i> , 2020, 49, 67.	0.2	0
16	Are UCL Injuries a Matter of Bad Luck? The Role of Variability and Fatigue Quantified. <i>Proceedings (mdpi)</i> , 2020, 49, 107.	0.2	1
17	Wearable Wheelchair Mobility Performance Measurement in Basketball, Rugby, and Tennis: Lessons for Classification and Training. <i>Sensors</i> , 2020, 20, 3518.	2.1	17
18	Determining and Controlling External Power Output During Regular Handrim Wheelchair Propulsion. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	7

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19	Measuring Handrim Wheelchair Propulsion in the Lab: A Critical Analysis of Stationary Ergometers. <i>IEEE Reviews in Biomedical Engineering</i> , 2020, 13, 199-211.	13.1	15
20	Push-off forces in elite short-track speed skating. <i>Sports Biomechanics</i> , 2019, 18, 527-538.	0.8	10
21	Lead knee extension contributes to drag-flick performance in field hockey. <i>International Journal of Performance Analysis in Sport</i> , 2019, 19, 556-566.	0.5	1
22	Improving Mobility Performance in Wheelchair Basketball. <i>Journal of Sport Rehabilitation</i> , 2019, 28, 59-66.	0.4	13
23	Scapular kinematics in professional wheelchair tennis players. <i>Clinical Biomechanics</i> , 2018, 53, 7-13.	0.5	12
24	Getting in shape: Reconstructing three-dimensional long-track speed skating kinematics by comparing several body pose reconstruction techniques. <i>Journal of Biomechanics</i> , 2018, 69, 103-112.	0.9	9
25	Scapular kinematics during manual wheelchair propulsion in able-bodied participants. <i>Clinical Biomechanics</i> , 2018, 54, 54-61.	0.5	0
26	Development, construct validity and test-retest reliability of a field-based wheelchair mobility performance test for wheelchair basketball. <i>Journal of Sports Sciences</i> , 2018, 36, 23-32.	1.0	29
27	Focus of attention instructions during baseball pitching training. <i>International Journal of Sports Science and Coaching</i> , 2018, 13, 391-397.	0.7	22
28	Timing of peak pelvis and thorax rotation velocity in baseball pitching. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2018, 7, 269-277.	0.2	9
29	Knee Angle and Stride Length in Association with Ball Speed in Youth Baseball Pitchers. <i>Sports</i> , 2018, 6, 51.	0.7	18
30	A musculoskeletal model of the hand and wrist: model definition and evaluation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018, 21, 548-557.	0.9	20
31	Asymmetry and evolution over a one-year period of the upward rotation of the scapula in youth baseball pitchers. <i>International Biomechanics</i> , 2018, 5, 57-62.	0.9	1
32	Power in sports: A literature review on the application, assumptions, and terminology of mechanical power in sport research. <i>Journal of Biomechanics</i> , 2018, 79, 1-14.	0.9	22
33	Influence of Posture Variation on Shoulder Muscle Activity, Heart Rate, and Perceived Exertion in a Repetitive Manual Task. <i>IIEE Transactions on Occupational Ergonomics and Human Factors</i> , 2017, 5, 47-64.	0.5	2
34	Effects of Offense, Defense, and Ball Possession on Mobility Performance in Wheelchair Basketball. <i>Adapted Physical Activity Quarterly</i> , 2017, 34, 382-400.	0.6	8
35	Anatomical parameters for musculoskeletal modeling of the hand and wrist. <i>International Biomechanics</i> , 2016, 3, 40-49.	0.9	22
36	Is rotating between static and dynamic work beneficial for our fatigue state?. <i>Journal of Electromyography and Kinesiology</i> , 2016, 28, 104-113.	0.7	11

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37	Elite Athlete Motor and Loading Actions on The Upper Limb in Baseball Pitching. <i>Procedia Engineering</i> , 2016, 147, 181-185.	1.2	6
38	Push Characteristics in Wheelchair Court Sport Sprinting. <i>Procedia Engineering</i> , 2016, 147, 730-734.	1.2	23
39	Wireless instrumented klapskates for long-track speed skating. <i>Sports Engineering</i> , 2016, 19, 273-281.	0.5	15
40	The biomechanical effect of clavicular shortening on shoulder muscle function, a simulation study. <i>Clinical Biomechanics</i> , 2016, 37, 141-146.	0.5	12
41	From big data to rich data: The key features of athlete wheelchair mobility performance. <i>Journal of Biomechanics</i> , 2016, 49, 3340-3346.	0.9	42
42	Can shoulder joint reaction forces be estimated by neural networks?. <i>Journal of Biomechanics</i> , 2016, 49, 73-79.	0.9	27
43	Kinematic Analyses of Patients with Reverse Shoulder Arthroplasty. , 2016, , 123-130.		0
44	Do field position and playing standard influence athlete performance in wheelchair basketball?. <i>Journal of Sports Sciences</i> , 2016, 34, 811-820.	1.0	29
45	Measuring 3D Hand and Finger Kinematicsâ€”A Comparison between Inertial Sensing and an Opto-Electronic Marker System. <i>PLoS ONE</i> , 2016, 11, e0164889.	1.1	28
46	Wheel Skid Correction is a Prerequisite to Reliably Measure Wheelchair Sports Kinematics Based on Inertial Sensors. <i>Procedia Engineering</i> , 2015, 112, 207-212.	1.2	21
47	Low-Intensity Wheelchair Training in Inactive People with Long-Term Spinal Cord Injury. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2015, 94, 975-986.	0.7	10
48	The effect of scaling physiological cross-sectional area on musculoskeletal model predictions. <i>Journal of Biomechanics</i> , 2015, 48, 1760-1768.	0.9	19
49	Task variation during simulated, repetitive, low-intensity work â€” influence on manifestation of shoulder muscle fatigue, perceived discomfort and upper-body postures. <i>Ergonomics</i> , 2015, 58, 1851-1867.	1.1	32
50	Comparison of measurements of medial gastrocnemius architectural parameters from ultrasound and diffusion tensor images. <i>Journal of Biomechanics</i> , 2015, 48, 1133-1140.	0.9	80
51	Early motor learning changes in upper-limb dynamics and shoulder complex loading during handrim wheelchair propulsion. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 26.	2.4	29
52	Wheelchair-specific fitness of inactive people with long-term spinal cord injury. <i>Journal of Rehabilitation Medicine</i> , 2015, 47, 330-337.	0.8	16
53	Opportunities for measuring wheelchair kinematics in match settings; reliability of a three inertial sensor configuration. <i>Journal of Biomechanics</i> , 2015, 48, 3398-3405.	0.9	54
54	Initial Skill Acquisition of Handrim Wheelchair Propulsion: A New Perspective. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2014, 22, 104-113.	2.7	51

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55	Impact of Combined Skin Sparing Mastectomy and Immediate Subpectoral Prosthetic Reconstruction on the Pectoralis Major Muscle Function. <i>Annals of Plastic Surgery</i> , 2014, 72, 631-637.	0.5	27
56	Are pushing and pulling work-related risk factors for upper extremity symptoms? A systematic review of observational studies. <i>Occupational and Environmental Medicine</i> , 2014, 71, 788-795.	1.3	32
57	The effect of crank position and backrest inclination on shoulder load and mechanical efficiency during handcycling. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014, 24, 386-394.	1.3	22
58	The Supraspinatus and the Deltoid – Not just two arm elevators. <i>Human Movement Science</i> , 2014, 33, 273-283.	0.6	14
59	Interactions of touch feedback with muscle vibration and galvanic vestibular stimulation in the control of trunk posture. <i>Gait and Posture</i> , 2014, 39, 745-749.	0.6	13
60	Isokinetic strength differences between patients with primary reverse and total shoulder prostheses. <i>Clinical Biomechanics</i> , 2014, 29, 965-970.	0.5	19
61	The influence of task variation on manifestation of fatigue is ambiguous – a literature review. <i>Ergonomics</i> , 2014, 57, 162-174.	1.1	40
62	Geometrical adaptation in ulna and radius of cerebral palsy patients: Measures and consequences. <i>Clinical Biomechanics</i> , 2014, 29, 451-457.	0.5	3
63	Can a 15 m-overground wheelchair sprint be used to assess wheelchair-specific anaerobic work capacity?. <i>Medical Engineering and Physics</i> , 2014, 36, 432-438.	0.8	22
64	Comparison of three local frame definitions for the kinematic analysis of the fingers and the wrist. <i>Journal of Biomechanics</i> , 2014, 47, 2590-2597.	0.9	15
65	Modelling clavicular and scapular kinematics: from measurement to simulation. <i>Medical and Biological Engineering and Computing</i> , 2014, 52, 283-291.	1.6	36
66	Inter-Individual Differences in the Initial 80 Minutes of Motor Learning of Handrim Wheelchair Propulsion. <i>PLoS ONE</i> , 2014, 9, e89729.	1.1	36
67	Variability in bimanual wheelchair propulsion: consistency of two instrumented wheels during handrim wheelchair propulsion on a motor driven treadmill. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2013, 10, 9.	2.4	45
68	Clinical applications of musculoskeletal modelling for the shoulder and upper limb. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 953-963.	1.6	62
69	Effect of workload setting on propulsion technique in handrim wheelchair propulsion. <i>Medical Engineering and Physics</i> , 2013, 35, 283-288.	0.8	8
70	The influence of simulated rotator cuff tears on the risk for impingement in handbike and handrim wheelchair propulsion. <i>Clinical Biomechanics</i> , 2013, 28, 495-501.	0.5	12
71	Design of a randomized-controlled trial on low-intensity aerobic wheelchair exercise for inactive persons with chronic spinal cord injury. <i>Disability and Rehabilitation</i> , 2013, 35, 1119-1126.	0.9	15
72	Biceps brachii can add to performance of tasks requiring supination in cerebral palsy patients. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 516-522.	0.7	12

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73	Motor control retraining exercises for shoulder impingement: effects on function, muscle activation, and biomechanics in young adults. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, e11-e19.	1.2	138
74	RELATIVE CONTRIBUTION OF DIFFERENT MUSCLE ENERGY CONSUMPTION PROCESSES IN AN ENERGY-BASED MUSCLE LOAD SHARING COST FUNCTION. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1350009.	0.3	1
75	Force Application During Handcycling and Handrim Wheelchair Propulsion: An Initial Comparison. <i>Journal of Applied Biomechanics</i> , 2013, 29, 687-695.	0.3	30
76	De schoudergordel in evenwicht. , 2013, , 33-48.		0
77	Kinematic evaluation of patients with total and reverse shoulder arthroplasty during rehabilitation exercises with different loads. <i>Clinical Biomechanics</i> , 2012, 27, 793-800.	0.5	56
78	Shoulder load during handcycling at different incline and speed conditions. <i>Clinical Biomechanics</i> , 2012, 27, 1-6.	0.5	30
79	The effect of experimental shortening of the clavicle on shoulder kinematics. <i>Clinical Biomechanics</i> , 2012, 27, 777-781.	0.5	48
80	Shoulder load during synchronous handcycling and handrim wheelchair propulsion in persons with paraplegia. <i>Journal of Rehabilitation Medicine</i> , 2012, 44, 222-228.	0.8	62
81	Are Shoulders with A Reverse Shoulder Prosthesis Strong Enough? A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 2185-2192.	0.7	25
82	Determining a long term ambulatory load profile of the shoulder joint: Neural networks predicting input for a musculoskeletal model. <i>Human Movement Science</i> , 2012, 31, 419-428.	0.6	8
83	An EMG-driven musculoskeletal model of the shoulder. <i>Human Movement Science</i> , 2012, 31, 429-447.	0.6	58
84	Are the force characteristics of synchronous handcycling affected by speed and the method to impose power?. <i>Medical Engineering and Physics</i> , 2012, 34, 78-84.	0.8	16
85	Muscle parameters for musculoskeletal modelling of the human neck. <i>Clinical Biomechanics</i> , 2011, 26, 343-351.	0.5	60
86	Load on the shoulder complex during wheelchair propulsion and weight relief lifting. <i>Clinical Biomechanics</i> , 2011, 26, 452-457.	0.5	29
87	Skill acquisition of manual wheelchair propulsion: initial motor learning. <i>BIO Web of Conferences</i> , 2011, 1, 00093.	0.1	0
88	Development and validity of an instrumented handbike: Initial results of propulsion kinetics. <i>Medical Engineering and Physics</i> , 2011, 33, 1167-1173.	0.8	16
89	What if? The use of biomechanical models for understanding and treating upper extremity musculoskeletal disorders. <i>Manual Therapy</i> , 2011, 16, 48-50.	1.6	13
90	Development of a comprehensive musculoskeletal model of the shoulder and elbow. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 1425-1435.	1.6	106

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91	Comparison of Two Methods for In Vivo Estimation of the Glenohumeral Joint Rotation Center (GH-JRC) of the Patients with Shoulder Hemiarthroplasty. PLoS ONE, 2011, 6, e18488.	1.1	16
92	Functionally interpretable local coordinate systems for the upper extremity using inertial & magnetic measurement systems. Journal of Biomechanics, 2010, 43, 1983-1988.	0.9	86
93	Validation of the Delft Shoulder and Elbow Model using in-vivo glenohumeral joint contact forces. Journal of Biomechanics, 2010, 43, 3007-3014.	0.9	105
94	The effect of elbow angle and external moment on load sharing of elbow muscles. Journal of Electromyography and Kinesiology, 2010, 20, 912-922.	0.7	42
95	Seat height: Effects on submaximal hand rim wheelchair performance during spinal cord injury rehabilitation. Journal of Rehabilitation Medicine, 2009, 41, 143-149.	0.8	39
96	Metabolic cost and mechanical work for the step-to-step transition in walking after successful total ankle arthroplasty. Human Movement Science, 2009, 28, 786-797.	0.6	26
97	Arm load magnitude affects selective shoulder muscle activation. Medical and Biological Engineering and Computing, 2009, 47, 565-572.	1.6	7
98	Shoulder biomechanics: today's consensus and tomorrow's perspectives. Medical and Biological Engineering and Computing, 2009, 47, 463-466.	1.6	22
99	Glenohumeral stability in simulated rotator cuff tears. Journal of Biomechanics, 2009, 42, 1740-1745.	0.9	97
100	Is effective force application in handrim wheelchair propulsion also efficient?. Clinical Biomechanics, 2009, 24, 13-19.	0.5	47
101	A framework for the definition of standardized protocols for measuring upper-extremity kinematics. Clinical Biomechanics, 2009, 24, 246-253.	0.5	115
102	Recording scapular motion using an acromion marker cluster. Gait and Posture, 2009, 29, 123-128.	0.6	153
103	Magnetic distortion in motion labs, implications for validating inertial magnetic sensors. Gait and Posture, 2009, 29, 535-541.	0.6	233
104	Relationship Among Shoulder Proprioception, Kinematics, and Pain After Stroke. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1557-1564.	0.5	46
105	Effect of Body Orientation on Proprioception During Active and Passive Motions. American Journal of Physical Medicine and Rehabilitation, 2009, 88, 979-985.	0.7	19
106	Evaluation of Manual Wheelchair Performance in Everyday Life. Topics in Spinal Cord Injury Rehabilitation, 2009, 15, 1-15.	0.8	15
107	Wheelchair Ambulation. , 2009, , .		0
108	Contribution of the Reverse Endoprosthesis to Glenohumeral Kinematics. Clinical Orthopaedics and Related Research, 2008, 466, 594-598.	0.7	39

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109	Quantification of Wrist Joint Laxity. <i>Journal of Hand Surgery</i> , 2008, 33, 667-674.	0.7	9
110	Proprioception of the Shoulder After Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 333-338.	0.5	50
111	Complete 3D kinematics of upper extremity functional tasks. <i>Gait and Posture</i> , 2008, 27, 120-127.	0.6	282
112	Joint stiffness of the ankle during walking after successful mobile-bearing total ankle replacement. <i>Gait and Posture</i> , 2008, 27, 115-119.	0.6	49
113	Corrigendum to "Morphological muscle and joint parameters for musculoskeletal modelling of the lower extremity" [<i>Clin. Biomech.</i> 22 (2007) 239-247]. <i>Clinical Biomechanics</i> , 2008, 23, 1303.	0.5	2
114	Kinematics of the contralateral and ipsilateral shoulder: A possible relationship with post-stroke shoulder pain. <i>Journal of Rehabilitation Medicine</i> , 2008, 40, 482-486.	0.8	52
115	Gait Analysis After Successful Mobile Bearing Total Ankle Replacement. <i>Foot and Ankle International</i> , 2007, 28, 313-322.	1.1	107
116	Function of the Pectoralis Major Muscle After Combined Skin-Sparing Mastectomy and Immediate Reconstruction by Subpectoral Implantation of a Prosthesis. <i>Annals of Plastic Surgery</i> , 2007, 59, 605-610.	0.5	54
117	Morphological muscle and joint parameters for musculoskeletal modelling of the lower extremity. <i>Clinical Biomechanics</i> , 2007, 22, 239-247.	0.5	380
118	Movement patterns of the upper extremity and trunk associated with impaired forearm rotation in patients with hemiplegic cerebral palsy compared to healthy controls. <i>Gait and Posture</i> , 2007, 25, 485-492.	0.6	36
119	Shoulder function: The perfect compromise between mobility and stability. <i>Journal of Biomechanics</i> , 2007, 40, 2119-2129.	0.9	313
120	Soft-tissue artefact assessment during step-up using fluoroscopy and skin-mounted markers. <i>Journal of Biomechanics</i> , 2007, 40, S18-S24.	0.9	89
121	Glenohumeral joint loading in tetraplegia during weight relief lifting: A simulation study. <i>Clinical Biomechanics</i> , 2006, 21, 128-137.	0.5	28
122	A kinematical analysis of the shoulder after arthroplasty during a hair combing task. <i>Clinical Biomechanics</i> , 2006, 21, S39-S44.	0.5	61
123	Upper extremity musculoskeletal pain during and after rehabilitation in wheelchair-using persons with a spinal cord injury. <i>Spinal Cord</i> , 2006, 44, 152-159.	0.9	116
124	The relationship between two different mechanical cost functions and muscle oxygen consumption. <i>Journal of Biomechanics</i> , 2006, 39, 758-765.	0.9	111
125	Pathological muscle activation patterns in patients with massive rotator cuff tears, with and without subacromial anaesthetics. <i>Manual Therapy</i> , 2006, 11, 231-237.	1.6	77
126	The effects of shoulder load and pinch force on electromyographic activity and blood flow in the forearm during a pinch task. <i>Ergonomics</i> , 2006, 49, 1627-1638.	1.1	6

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127	Movement patterns of the upper extremity and trunk before and after corrective surgery of impaired forearm rotation in patients with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2006, 48, 436-441.	1.1	2
128	Movement patterns of the upper extremity and trunk before and after corrective surgery of impaired forearm rotation in patients with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2006, 48, 436.	1.1	13
129	Kinematic Alterations in the Ipsilateral Shoulder of Patients with Hemiplegia Due to Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2005, 84, 97-105.	0.7	47
130	Influence of task complexity on mechanical efficiency and propulsion technique during learning of hand rim wheelchair propulsion. <i>Medical Engineering and Physics</i> , 2005, 27, 41-49.	0.8	19
131	Increased muscle activity to stabilise mobile bearing knees in patients with rheumatoid arthritis. <i>Knee</i> , 2005, 12, 177-182.	0.8	7
132	ISB recommendation on definitions of joint coordinate systems of various joints for the reporting of human joint motionâ€”Part II: shoulder, elbow, wrist and hand. <i>Journal of Biomechanics</i> , 2005, 38, 981-992.	0.9	3,077
133	3rd International Congress â€”Restoration of (wheeled) mobility in SCI rehabilitation: State of the art IIIâ€”its background. <i>Technology and Disability</i> , 2005, 17, 55-61.	0.3	3
134	Requirements for upper extremity motions during activities of daily living. <i>Clinical Biomechanics</i> , 2005, 20, 591-599.	0.5	280
135	Mechanical Load on the Upper Extremity During Wheelchair Activities. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 1214-1220.	0.5	132
136	Glenohumeral Contact Forces and Muscle Forces Evaluated in Wheelchair-Related Activities of Daily Living in Able-Bodied Subjects Versus Subjects With Paraplegia and Tetraplegia. <i>Archives of Physical Medicine and Rehabilitation</i> , 2005, 86, 1434-1440.	0.5	80
137	Mechanical loading of the low back and shoulders during pushing and pulling activities. <i>Ergonomics</i> , 2004, 47, 1-18.	1.1	108
138	Effectiveness of tendon transfers for massive rotator cuff tears: a simulation study. <i>Clinical Biomechanics</i> , 2004, 19, 116-122.	0.5	73
139	Biomechanical analysis of tendon transfers for massive rotator cuff tears. <i>Clinical Biomechanics</i> , 2004, 19, 350-357.	0.5	54
140	Mechanical Evaluation of the Pronator Teres Rerouting Tendon Transfer. <i>Journal of Hand Surgery</i> , 2004, 29, 257-262.	0.9	22
141	Three-Dimensional Video Analysis of Forearm Rotation before and After Combined Pronator Teres Rerouting and Flexor Carpi Ulnaris Tendon Transfer Surgery in Patients with Cerebral Palsy. <i>Journal of Hand Surgery</i> , 2004, 29, 55-60.	0.9	26
142	Effect of Wheelchair Stroke Pattern on Mechanical Efficiency. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2004, 83, 640-649.	0.7	53
143	Toward standardized procedures for recording and describing 3-D shoulder movements. <i>Behavior Research Methods</i> , 2003, 35, 440-446.	1.3	22
144	The push force pattern in manual wheelchair propulsion as a balance between cost and effect. <i>Journal of Biomechanics</i> , 2003, 36, 239-247.	0.9	42

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145	Muscle oxygen consumption, determined by NIRS, in relation to external force and EMG. Journal of Biomechanics, 2003, 36, 905-912.	0.9	77
146	The effects of precision demands during a low intensity pinching task on muscle activation and load sharing of the fingers. Journal of Electromyography and Kinesiology, 2003, 13, 149-157.	0.7	25
147	Short-term adaptations in co-ordination during the initial phase of learning manual wheelchair propulsion. Journal of Electromyography and Kinesiology, 2003, 13, 217-228.	0.7	28
148	Measurement of wheelchair rolling resistance with a handle bar push technique. Journal of Medical Engineering and Technology, 2003, 27, 249-258.	0.8	36
149	Adaptations in Physiology and Propulsion Techniques During the Initial Phase of Learning Manual Wheelchair Propulsion. American Journal of Physical Medicine and Rehabilitation, 2003, 82, 504-510.	0.7	47
150	Title is missing!. American Journal of Physical Medicine and Rehabilitation, 2003, 82, 504-510.	0.7	4
151	The globe system: An unambiguous description of shoulder positions in daily life movements. Journal of Rehabilitation Research and Development, 2003, 40, 149.	1.6	97
152	The globe system: an unambiguous description of shoulder positions in daily life movements. Journal of Rehabilitation Research and Development, 2003, 40, 147-55.	1.6	27
153	Aerobic Work Capacity in Elite Wheelchair Athletes. American Journal of Physical Medicine and Rehabilitation, 2002, 81, 261-271.	0.7	40
154	Wheelchair propulsion technique and mechanical efficiency after 3 wk of practice. Medicine and Science in Sports and Exercise, 2002, 34, 756-766.	0.2	92
155	Consequence of feedback-based learning of an effective hand rim wheelchair force production on mechanical efficiency. Clinical Biomechanics, 2002, 17, 219-226.	0.5	70
156	Load on the shoulder in low intensity wheelchair propulsion. Clinical Biomechanics, 2002, 17, 211-218.	0.5	146
157	Alternative Modes of Manual Wheelchair Ambulation. American Journal of Physical Medicine and Rehabilitation, 2001, 80, 765-777.	0.7	122
158	Biomechanics and physiology in active manual wheelchair propulsion. Medical Engineering and Physics, 2001, 23, 713-733.	0.8	196
159	Relevance of the Force-Velocity Relationship in the Activation of Mono- and Bi-Articular Muscles in Slow Arm Movements in Humans. Motor Control, 2000, 4, 420-438.	0.3	7
160	Determining the optimal flexion-extension axis of the elbow in vivo a study of interobserver and intraobserver reliability. Journal of Biomechanics, 2000, 33, 1139-1145.	0.9	37
161	The position of the rotation center of the glenohumeral joint. Journal of Biomechanics, 2000, 33, 1711-1715.	0.9	165
162	Handcycling: different modes and gear ratios. Journal of Medical Engineering and Technology, 2000, 24, 242-249.	0.8	40

#	ARTICLE	IF	CITATIONS
163	Force direction in manual wheel chair propulsion: balance between effect and cost. Clinical Biomechanics, 2000, 15, S39-S41.	0.5	24
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