

Kei Masani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141
papers

2,825
citations

30
h-index

47
g-index

151
ext. papers

3,298
ext. citations

2.7
avg, IF

5.17
L-index

#	Paper	IF	Citations
141	Effect of Spatially Distributed Sequential Stimulation on Fatigue in Functional Electrical Stimulation Rowing.. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022 , 30, 999-1008	4.8	0
140	Nociceptive Flexion Reflex Threshold in Chronic Pain Patients: A Needed Update for the Current Evidence. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021 , 100, 750-759	2.6	0
139	Feasibility and significance of stimulating interscapular muscles using transcutaneous functional electrical stimulation in able-bodied individuals. <i>Journal of Spinal Cord Medicine</i> , 2021 , 44, S185-S192	1.9	0
138	A Generic Sequential Stimulation Adapter for Reducing Muscle Fatigue during Functional Electrical Stimulation. <i>Sensors</i> , 2021 , 21,	3.8	1
137	Characterizing inter-limb synchronization after incomplete spinal cord injury: A cross-sectional study. <i>Gait and Posture</i> , 2021 , 85, 191-197	2.6	
136	Interjoint coordination between the ankle and hip joints during quiet standing in individuals with motor incomplete spinal cord injury. <i>Journal of Neurophysiology</i> , 2021 , 125, 1681-1689	3.2	2
135	Development of priorities for a Canadian strategy to advance activity-based therapies after spinal cord injury. <i>Spinal Cord</i> , 2021 , 59, 874-884	2.7	4
134	Fibromyalgia and Nociceptive Flexion Reflex (NFR) Threshold: A Systematic Review, Meta-Analysis, and Identification of a Possible Source of Heterogeneity. <i>Journal of Pain Research</i> , 2021 , 14, 1653-1665	2.9	0
133	The nociceptive flexion reflex: a scoping review and proposed standardized methodology for acquisition in those affected by chronic pain. <i>British Journal of Pain</i> , 2021 , 15, 102-113	2.1	1
132	Contribution of Each Motor Point of Quadriceps Femoris to Knee Extension Torque During Neuromuscular Electrical Stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021 , 29, 389-396	4.8	3
131	The Effect of Perturbation-Based Balance Training and Conventional Intensive Balance Training on Reactive Stepping Ability in Individuals With Incomplete Spinal Cord Injury or Disease: A Randomized Clinical Trial. <i>Frontiers in Neurology</i> , 2021 , 12, 620367	4.1	3
130	Validity and Reliability of Surface Electromyography Features in Lower Extremity Muscle Contraction in Healthy and Spinal Cord-Injured Participants. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2021 , 27, 14-27	1.5	1
129	Clinical Benefits and System Design of FES-Rowing Exercise for Rehabilitation of Individuals with Spinal Cord Injury: A Systematic Review. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021 , 102, 1595-1605	2.8	3
128	The effects of epidural stimulation on individuals living with spinal cord injury or disease: a scoping review. <i>Physical Therapy Reviews</i> , 2021 , 26, 344-369	0.7	1
127	Co-contraction of ankle muscle activity during quiet standing in individuals with incomplete spinal cord injury is associated with postural instability. <i>Scientific Reports</i> , 2021 , 11, 19599	4.9	0
126	Quantitative response of healthy muscle following the induction of capsaicin: an exploratory randomized controlled trial. <i>Trials</i> , 2020 , 21, 1020	2.8	0
125	The measurement properties of the Lean-and-Release test in people with incomplete spinal cord injury or disease. <i>Journal of Spinal Cord Medicine</i> , 2020 , 1-10	1.9	3

124	Why brain-controlled neuroprosthetics matter: mechanisms underlying electrical stimulation of muscles and nerves in rehabilitation. <i>BioMedical Engineering OnLine</i> , 2020 , 19, 81	4.1	6
123	Cosine tuning determines plantarflexors activities during human upright standing and is affected by incomplete spinal cord injury. <i>Journal of Neurophysiology</i> , 2020 , 123, 2343-2354	3.2	3
122	Comparison of lower limb joint moment and power during turning gait between young and old adults using hierarchical Bayesian inference. <i>Journal of Biomechanics</i> , 2020 , 103, 109702	2.9	1
121	Motor point stimulation primarily activates motor nerve. <i>Neuroscience Letters</i> , 2020 , 736, 135246	3.3	4
120	Functional Electrical Stimulation Plus Visual Feedback Balance Training for Standing Balance Performance Among Individuals With Incomplete Spinal Cord Injury: A Case Series. <i>Frontiers in Neurology</i> , 2020 , 11, 680	4.1	4
119	Defective corticomuscular connectivity during walking in patients with Parkinson's disease. <i>Journal of Neurophysiology</i> , 2020 , 124, 1399-1414	3.2	4
118	Motor Point Stimulation in Spinal Paired Associative Stimulation can Facilitate Spinal Cord Excitability. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 593806	3.3	0
117	Reactive stepping after a forward fall in people living with incomplete spinal cord injury or disease. <i>Spinal Cord</i> , 2020 , 58, 185-193	2.7	9
116	Fatigue and Discomfort During Spatially Distributed Sequential Stimulation of Tibialis Anterior. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 1566-1573	4.8	4
115	Quantifying balance control after spinal cord injury: Reliability and validity of the mini-BESTest. <i>Journal of Spinal Cord Medicine</i> , 2019 , 42, 141-148	1.9	10
114	Effects of age-related changes in step length and step width on the required coefficient of friction during straight walking. <i>Gait and Posture</i> , 2019 , 69, 195-201	2.6	3
113	Effects of water immersion on gait initiation: part II of a case series after incomplete spinal cord injury. <i>Spinal Cord Series and Cases</i> , 2019 , 5, 84	1.4	1
112	Lower Limb Assistive Device Design Optimization Using Musculoskeletal Modeling: A Review. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2019 , 13,	1.3	11
111	Intensive Balance Training for Adults With Incomplete Spinal Cord Injuries: Protocol for an Assessor-Blinded Randomized Clinical Trial. <i>Physical Therapy</i> , 2019 , 99, 420-427	3.3	11
110	Effects of water immersion on quasi-static standing exploring center of pressure sway and trunk acceleration: a case series after incomplete spinal cord injury. <i>Spinal Cord Series and Cases</i> , 2019 , 5, 5	1.4	1
109	Kinematic error magnitude in the single-mass inverted pendulum model of human standing posture. <i>Gait and Posture</i> , 2018 , 63, 23-26	2.6	4
108	Relationship between margin of stability and deviations in spatiotemporal gait features in healthy young adults. <i>Human Movement Science</i> , 2018 , 57, 366-373	2.4	31
107	Decrease in required coefficient of friction due to smaller lean angle during turning in older adults. <i>Journal of Biomechanics</i> , 2018 , 74, 163-170	2.9	8

106	Dynamic Fluctuation of Truncal Shift Parameters During Quiet Standing in Healthy Young Individuals. <i>Spine</i> , 2018 , 43, E746-E751	3.3	2
105	Dynamic cortical participation during bilateral, cyclical ankle movements: Effects of Parkinson's disease. <i>PLoS ONE</i> , 2018 , 13, e0196177	3.7	8
104	Kinematics-based prediction of trunk muscle activity in response to multi-directional perturbations during sitting. <i>Medical Engineering and Physics</i> , 2018 ,	2.4	3
103	Ankle muscle co-contractions during quiet standing are associated with decreased postural steadiness in the elderly. <i>Gait and Posture</i> , 2017 , 55, 31-36	2.6	21
102	The influence of the aquatic environment on the center of pressure, impulses and upper and lower trunk accelerations during gait initiation. <i>Gait and Posture</i> , 2017 , 58, 469-475	2.6	5
101	Evaluating the efficacy of functional electrical stimulation therapy assisted walking after chronic motor incomplete spinal cord injury: effects on bone biomarkers and bone strength. <i>Journal of Spinal Cord Medicine</i> , 2017 , 40, 748-758	1.9	8
100	Wheelchair Neuroprosthesis for Improving Dynamic Trunk Stability. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017 , 25, 2472-2479	4.8	4
99	Dynamic cortical participation during bilateral, cyclical ankle movements: effects of aging. <i>Scientific Reports</i> , 2017 , 7, 44658	4.9	13
98	Muscle synergies reveal impaired trunk muscle coordination strategies in individuals with thoracic spinal cord injury. <i>Journal of Electromyography and Kinesiology</i> , 2017 , 36, 40-48	2.5	18
97	Fatigue reduction during aggregated and distributed sequential stimulation. <i>Muscle and Nerve</i> , 2017 , 56, 271-281	3.4	15
96	The influence of the aquatic environment on the control of postural sway. <i>Gait and Posture</i> , 2017 , 51, 70-76	2.6	15
95	Dynamic Increase in Corticomuscular Coherence during Bilateral, Cyclical Ankle Movements. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 155	3.3	21
94	PID Controller Design for FES Applied to Ankle Muscles in Neuroprosthesis for Standing Balance. <i>Frontiers in Neuroscience</i> , 2017 , 11, 347	5.1	16
93	Development of Visual Feedback Training Using Functional Electrical Stimulation Therapy for Balance Rehabilitation. <i>STEM Fellowship Journal</i> , 2017 , 3, 1-2	0.2	1
92	Acute Positive Effects of Exercise on Center-of-Pressure Fluctuations During Quiet Standing in Middle-Aged and Elderly Women. <i>Journal of Strength and Conditioning Research</i> , 2016 , 30, 208-16	3.2	9
91	Contribution of center of mass/center of pressure angle tangent to the required coefficient of friction in the sagittal plane during straight walking. <i>Biotribology</i> , 2016 , 5, 16-22	2.3	14
90	Anticipation of direction and time of perturbation modulates the onset latency of trunk muscle responses during sitting perturbations. <i>Journal of Electromyography and Kinesiology</i> , 2016 , 26, 94-101	2.5	10
89	Misalignment of the Desired and Measured Center of Pressure Describes Falls Caused by Slip during Turning. <i>PLoS ONE</i> , 2016 , 11, e0155418	3.7	4

88	Functional Electrical Stimulation Therapy: Recovery of Function Following Spinal Cord Injury and Stroke 2016 , 513-532		6
87	Minimizing muscle fatigue through optimization of electrical stimulation parameters. <i>Journal of Biomedical Engineering and Informatics</i> , 2016 , 3, 33		1
86	Multisegment Kinematics of the Spinal Column: Soft Tissue Artifacts Assessment. <i>Journal of Biomechanical Engineering</i> , 2016 , 138,	2.1	11
85	Identification of ankle plantar-flexors dynamics in response to electrical stimulation. <i>Medical Engineering and Physics</i> , 2016 , 38, 1166-1171	2.4	5
84	Unveiling visuomotor control of bipedal stance, step by step. <i>Journal of Physiology</i> , 2016 , 594, 5365-6	3.9	1
83	Method to Reduce Muscle Fatigue During Transcutaneous Neuromuscular Electrical Stimulation in Major Knee and Ankle Muscle Groups. <i>Neurorehabilitation and Neural Repair</i> , 2015 , 29, 722-33	4.7	20
82	Low-intensity functional electrical stimulation can increase multidirectional trunk stiffness in able-bodied individuals during sitting. <i>Medical Engineering and Physics</i> , 2015 , 37, 777-82	2.4	12
81	Heel strike detection using split force-plate treadmill. <i>Gait and Posture</i> , 2015 , 41, 863-6	2.6	2
80	Trunk control impairment is responsible for postural instability during quiet sitting in individuals with cervical spinal cord injury. <i>Clinical Biomechanics</i> , 2015 , 30, 507-12	2.2	30
79	Trunk muscle co-activation using functional electrical stimulation modifies center of pressure fluctuations during quiet sitting by increasing trunk stiffness. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015 , 12, 99	5.3	7
78	Sensitivity of intersegmental angles of the spinal column to errors due to marker misplacement. <i>Journal of Biomechanical Engineering</i> , 2015 , 137,	2.1	3
77	Center of pressure velocity reflects body acceleration rather than body velocity during quiet standing. <i>Gait and Posture</i> , 2014 , 39, 946-52	2.6	49
76	Anti-phase action between the angular accelerations of trunk and leg is reduced in the elderly. <i>Gait and Posture</i> , 2014 , 40, 107-12	2.6	18
75	Multidirectional quantification of trunk stiffness and damping during unloaded natural sitting. <i>Medical Engineering and Physics</i> , 2014 , 36, 102-9	2.4	15
74	Variability of vibrations produced by commercial whole-body vibration platforms. <i>Journal of Rehabilitation Medicine</i> , 2014 , 46, 937-40	3.4	14
73	Inverted Pendulum Standing Apparatus for Investigating Closed-Loop Control of Ankle Joint Muscle Contractions during Functional Electrical Stimulation. <i>International Scholarly Research Notices</i> , 2014 , 2014, 192097	0	4
72	Effect of whole-body vibration on lower-limb EMG activity in subjects with and without spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2014 , 37, 525-36	1.9	11
71	Muscle activity, cross-sectional area, and density following passive standing and whole body vibration: A case series. <i>Journal of Spinal Cord Medicine</i> , 2014 , 37, 575-81	1.9	13

70	Failure of spinal paired associative stimulation to induce neuroplasticity in the human corticospinal tract. <i>Journal of Spinal Cord Medicine</i> , 2014 , 37, 565-74	1.9	13
69	A randomized trial of functional electrical stimulation for walking in incomplete spinal cord injury: Effects on walking competency. <i>Journal of Spinal Cord Medicine</i> , 2014 , 37, 511-24	1.9	62
68	Spinal cord stimulation for gait impairment in spinocerebellar ataxia 7. <i>Journal of Neurology</i> , 2014 , 261, 570-4	5.5	4
67	Reducing muscle fatigue during transcutaneous neuromuscular electrical stimulation by spatially and sequentially distributing electrical stimulation sources. <i>European Journal of Applied Physiology</i> , 2014 , 114, 793-804	3.4	60
66	Modulation between bilateral legs and within unilateral muscle synergists of postural muscle activity changes with development and aging. <i>Experimental Brain Research</i> , 2014 , 232, 1-11	2.3	20
65	Action possibility judgments of people with varying motor abilities due to spinal cord injury. <i>PLoS ONE</i> , 2014 , 9, e110250	3.7	5
64	Cardiovascular response of individuals with spinal cord injury to dynamic functional electrical stimulation under orthostatic stress. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013 , 21, 37-46	4.8	13
63	What triggers the continuous muscle activity during upright standing?. <i>Gait and Posture</i> , 2013 , 37, 72-7	2.6	30
62	Comparison of multidirectional seated postural stability between individuals with spinal cord injury and able-bodied individuals. <i>Journal of Rehabilitation Medicine</i> , 2013 , 45, 47-54	3.4	24
61	Spatially distributed sequential stimulation reduces muscle fatigue during neuromuscular electrical stimulation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 3614-7	0.9	5
60	Randomized trial of functional electrical stimulation therapy for walking in incomplete spinal cord injury: effects on quality of life and community participation. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2013 , 19, 245-58	1.5	25
59	Closed-loop control of ankle plantarflexors and dorsiflexors using an inverted pendulum apparatus: A pilot study. <i>Journal of Automatic Control</i> , 2013 , 21, 31-36		6
58	A comprehensive three-dimensional dynamic model of the human head and trunk for estimating lumbar and cervical joint torques and forces from upper body kinematics. <i>Medical Engineering and Physics</i> , 2012 , 34, 640-9	2.4	14
57	Visualization of trunk muscle synergies during sitting perturbations using self-organizing maps (SOM). <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 2516-23	5	20
56	Unperceivable noise to active light touch effects on fast postural sway. <i>Neuroscience Letters</i> , 2012 , 506, 100-3	3.3	21
55	Postural sway during quiet standing is related to physiological tremor and muscle volume in young and elderly adults. <i>Gait and Posture</i> , 2012 , 35, 11-7	2.6	59
54	Effects of balance training with visual feedback during mechanically unperturbed standing on postural corrective responses. <i>Gait and Posture</i> , 2012 , 35, 339-44	2.6	35
53	Effects of upper limb positions and weight support roles on quasi-static seated postural stability in individuals with spinal cord injury. <i>Gait and Posture</i> , 2012 , 36, 572-9	2.6	17

52	Whole-body vibration during passive standing in individuals with spinal cord injury: effects of plate choice, frequency, amplitude, and subject's posture on vibration propagation. <i>PM and R</i> , 2012 , 4, 963-75	2.2	21
51	Test-retest reliability of pulse wave velocity in individuals with chronic spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2012 , 35, 400-5	1.9	10
50	A randomized trial of functional electrical stimulation for walking in incomplete spinal cord injury: effects on body composition. <i>Journal of Spinal Cord Medicine</i> , 2012 , 35, 351-60	1.9	38
49	Which trunk inclination directions best predict multidirectional-seated limits of stability among individuals with spinal cord injury?. <i>Journal of Spinal Cord Medicine</i> , 2012 , 35, 343-50	1.9	15
48	Functional Electrical Stimulation in Rehabilitation and Neurorehabilitation 2011 , 877-896		9
47	Smaller sway size during quiet standing is associated with longer preceding time of motor command to body sway. <i>Gait and Posture</i> , 2011 , 33, 14-7	2.6	10
46	Arm movement improves performance in clinical balance and mobility tests. <i>Gait and Posture</i> , 2011 , 33, 507-9	2.6	23
45	Spatially distributed sequential stimulation reduces fatigue in paralyzed triceps surae muscles: a case study. <i>Artificial Organs</i> , 2011 , 35, 1174-80	2.6	49
44	A complete, non-lumped, and verifiable set of upper body segment parameters for three-dimensional dynamic modeling. <i>Medical Engineering and Physics</i> , 2011 , 33, 70-9	2.4	15
43	Video game-based neuromuscular electrical stimulation system for calf muscle training: a case study. <i>Medical Engineering and Physics</i> , 2011 , 33, 249-55	2.4	8
42	Relation between postural stability and plantar flexors muscle volume in young males. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 2089-94	1.2	5
41	Positive effect of balance training with visual feedback on standing balance abilities in people with incomplete spinal cord injury. <i>Spinal Cord</i> , 2010 , 48, 886-93	2.7	56
40	Acute effects of whole body vibration during passive standing on soleus H-reflex in subjects with and without spinal cord injury. <i>Neuroscience Letters</i> , 2010 , 482, 66-70	3.3	57
39	Passive knee movement-induced modulation of the soleus H-reflex and alteration in the fascicle length of the medial gastrocnemius muscle in humans. <i>Journal of Electromyography and Kinesiology</i> , 2010 , 20, 513-22	2.5	5
38	Responses of the trunk to multidirectional perturbations during unsupported sitting in normal adults. <i>Journal of Applied Biomechanics</i> , 2010 , 26, 332-40	1.2	22
37	Neural-mechanical feedback control scheme generates physiological ankle torque fluctuation during quiet stance. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2010 , 18, 86-95	4.8	40
36	Temporal correlations in center of body mass fluctuations during standing and walking. <i>Human Movement Science</i> , 2010 , 29, 556-66	2.4	8
35	Posturographic measures in healthy young adults during quiet sitting in comparison with quiet standing. <i>Medical Engineering and Physics</i> , 2010 , 32, 32-8	2.4	41

34	Balance control under different passive contributions of the ankle extensors: quiet standing on inclined surfaces. <i>Experimental Brain Research</i> , 2009 , 196, 537-44	2.3	42
33	Closed-loop control of functional electrical stimulation-assisted arm-free standing in individuals with spinal cord injury: a feasibility study. <i>Neuromodulation</i> , 2009 , 12, 22-32	3.1	33
32	Postural reactions of the trunk muscles to multi-directional perturbations in sitting. <i>Clinical Biomechanics</i> , 2009 , 24, 176-82	2.2	47
31	Differences among lower leg muscles in long-term activity during ambulatory condition without any moderate to high intensity exercise. <i>Journal of Electromyography and Kinesiology</i> , 2009 , 19, e50-6	2.5	14
30	Pulse wave velocity for assessment of arterial stiffness among people with spinal cord injury: a pilot study. <i>Journal of Spinal Cord Medicine</i> , 2009 , 32, 72-8	1.9	50
29	Effects of Trunk Impairments on Manual Wheelchair Propulsion Among Individuals with a Spinal Cord Injury: A Brief Overview and Future Challenges. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2009 , 15, 59-70	1.5	11
28	Required muscle mass for preventing lifestyle-related diseases in Japanese women. <i>BMC Public Health</i> , 2008 , 8, 291	4.1	11
27	Cardiovascular response to functional electrical stimulation and dynamic tilt table therapy to improve orthostatic tolerance. <i>Journal of Electromyography and Kinesiology</i> , 2008 , 18, 900-7	2.5	21
26	Evaluation of postural control in quiet standing using center of mass acceleration: comparison among the young, the elderly, and people with stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 1133-9	2.8	42
25	Neuromusculoskeletal torque-generation process has a large destabilizing effect on the control mechanism of quiet standing. <i>Journal of Neurophysiology</i> , 2008 , 100, 1465-75	3.2	47
24	Neural-mechanical feedback control scheme can generate physiological ankle torque fluctuation during quiet standing: A comparative analysis of contributing torque components 2008 ,		5
23	A Portable and Automated Postural Perturbation System for Balance Assessment, Training, and Neuromuscular System Identification. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2008 , 2,	1.3	9
22	Reduced postural sway during quiet standing by light touch is due to finger tactile feedback but not mechanical support. <i>Experimental Brain Research</i> , 2008 , 188, 153-8	2.3	108
21	Laser-detected lateral muscle displacement is correlated with force fluctuations during voluntary contractions in humans. <i>Journal of Neuroscience Methods</i> , 2008 , 173, 271-8	3	15
20	Arterial Stiffness in Persons with SCI: A Pilot Study. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, S318	1.2	
19	Body movement induced by electrical stimulation of toe muscles during standing. <i>Artificial Organs</i> , 2008 , 32, 5-12	2.6	8
18	Step Prediction During Perturbed Standing Using Center Of Pressure Measurements. <i>Sensors</i> , 2007 , 7, 459-472	3.8	3
17	Body Movement Induced by Electrical Stimulation of Toe Muscles During Standing. <i>Artificial Organs</i> , 2007 , 32, 070802063815009-???	2.6	1

16	Effects of 20-day bed rest with and without strength training on postural sway during quiet standing. <i>Acta Physiologica</i> , 2007 , 189, 279-92	5.6	43
15	Implementation of a physiologically identified PD feedback controller for regulating the active ankle torque during quiet stance. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2007 , 15, 235-43	4.8	44
14	Larger center of pressure minus center of gravity in the elderly induces larger body acceleration during quiet standing. <i>Neuroscience Letters</i> , 2007 , 422, 202-6	3.3	77
13	Instability prediction by monitoring center of pressure during standing. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 5412-5		4
12	Controlling balance during quiet standing: proportional and derivative controller generates preceding motor command to body sway position observed in experiments. <i>Gait and Posture</i> , 2006 , 23, 164-72	2.6	119
11	Difference in aftereffects following prolonged Achilles tendon vibration on muscle activity during maximal voluntary contraction among plantar flexor synergists. <i>Journal of Applied Physiology</i> , 2005 , 98, 1427-33	3.7	49
10	Comparison Of Ankle Torque Control Error In Healthy Older And Young Subjects During Quiet Standing. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, S162	1.2	
9	Force fluctuations are modulated by alternate muscle activity of knee extensor synergists during low-level sustained contraction. <i>Journal of Applied Physiology</i> , 2004 , 97, 2121-31	3.7	51
8	Local blood circulation among knee extensor synergists in relation to alternate muscle activity during low-level sustained contraction. <i>Journal of Applied Physiology</i> , 2003 , 95, 49-56	3.7	23
7	Importance of body sway velocity information in controlling ankle extensor activities during quiet stance. <i>Journal of Neurophysiology</i> , 2003 , 90, 3774-82	3.2	224
6	Alternate muscle activity observed between knee extensor synergists during low-level sustained contractions. <i>Journal of Applied Physiology</i> , 2002 , 93, 675-84	3.7	73
5	Effects of equivolume isometric training programs comprising medium or high resistance on muscle size and strength. <i>European Journal of Applied Physiology</i> , 2002 , 87, 112-9	3.4	49
4	Variability of ground reaction forces during treadmill walking. <i>Journal of Applied Physiology</i> , 2002 , 92, 1885-90	3.7	83
3	Reciprocal angular acceleration of the ankle and hip joints during quiet standing in humans. <i>Experimental Brain Research</i> , 2001 , 136, 463-73	2.3	90
2	Fractal correlation of initial trajectory dynamics vanishes at the movement end point in human rapid goal-directed movements. <i>Neuroscience Letters</i> , 2001 , 304, 173-6	3.3	10
1	EMG activities of mono- and bi-articular muscles during goal-directed ballistic movement. <i>Human Movement Science</i> , 1994 , 13, 601-610	2.4	