

# CITATION REPORT

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Dynamic control of location-specific information in tactile cutaneous reflexes from the foot during human walking

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#	Paper	IF	Citations
187	Function of sural nerve reflexes during human walking. <i>Journal of Physiology</i> , <b>1998</b> , 507 ( Pt 1), 305-14	3.9	110
186	Cortical facilitation of cutaneous reflexes in leg muscles during human gait. <b>1998</b> , 787, 149-53		53
185	Modulation of oligosynaptic cutaneous and muscle afferent reflex pathways during fictive locomotion and scratching in the cat. <i>Journal of Neurophysiology</i> , <b>1998</b> , 79, 447-63	3.2	61
184	Reflexes from the superficial peroneal nerve during walking in stroke subjects. <i>Journal of Neurophysiology</i> , <b>1998</b> , 79, 848-58	3.2	66
183	An Overview of Treadmill Locomotor Training with Partial Body Weight Support: A Neurophysiologically Sound Approach Whose Time Has Come for Randomized Clinical Trials. <b>1999</b> , 13, 157-165		81
182	Cutaneous reflexes of the human leg during passive movement. <i>Journal of Physiology</i> , <b>1999</b> , 518 ( Pt 2), 619-28	3.9	29
181	Evidence suggesting that a transcortical reflex pathway contributes to cutaneous reflexes in the tibialis anterior muscle during walking in man. <i>Experimental Brain Research</i> , <b>1999</b> , 124, 59-68	2.3	68
180	Widespread short-latency stretch reflexes and their modulation during stumbling over obstacles. <b>1999</b> , 816, 480-6		62
179	What functions do reflexes serve during human locomotion?. <b>1999</b> , 58, 185-205		357
178	Absence of nerve specificity in human cutaneous reflexes during standing. <i>Experimental Brain Research</i> , <b>2000</b> , 133, 267-72	2.3	73
177	Modulation of human cutaneous reflexes during rhythmic cyclical arm movement. <i>Experimental Brain Research</i> , <b>2000</b> , 135, 241-50	2.3	62
176	Load-regulating mechanisms in gait and posture: comparative aspects. <b>2000</b> , 80, 83-133		410
175	Muscular responses and movement strategies during stumbling over obstacles. <i>Journal of Neurophysiology</i> , <b>2000</b> , 83, 2093-102	3.2	153
174	Modulation of the startle response during human gait. <i>Journal of Neurophysiology</i> , <b>2000</b> , 84, 65-74	3.2	48
173	Abeta fibers mediate cutaneous reflexes during human walking. <i>Journal of Neurophysiology</i> , <b>2000</b> , 83, 2980-6	3.2	35
172	Spinal and supraspinal plasticity after incomplete spinal cord injury: correlations between functional magnetic resonance imaging and engaged locomotor networks. <b>2000</b> , 128, 99-111		35
171	Inhibition of the triceps surae stretch reflex by stimulation of the deep peroneal nerve in persons with spastic stroke. <b>2000</b> , 81, 1016-24		28

170	Leg muscle reflexes mediated by cutaneous A-beta fibres are normal during gait in reflex sympathetic dystrophy. <i>Clinical Neurophysiology</i> , <b>2000</b> , 111, 677-85	4.3	5
169	The effect of changes in foot sensation on plantar pressure and muscle activity. <i>Clinical Biomechanics</i> , <b>2001</b> , 16, 719-27	2.2	185
168	Modulation of soleus H-reflex following ipsilateral mechanical loading of the sole of the foot in normal and complete spinal cord injured humans. <i>Neuroscience Letters</i> , <b>2001</b> , 303, 107-10	3.3	41
167	The influence of stimulus cue on the initiation of stepping in young and older adults. <b>2001</b> , 82, 619-24		54
166	Differential regulation of cutaneous and H-reflexes during leg cycling in humans. <i>Journal of Neurophysiology</i> , <b>2001</b> , 85, 1178-84	3.2	54
165	Patterns of locomotor drive to motoneurons and last-order interneurons: clues to the structure of the CPG. <i>Journal of Neurophysiology</i> , <b>2001</b> , 86, 447-62	3.2	120
164	Mechanoreceptive afferents in the human sural nerve. <i>Experimental Brain Research</i> , <b>2001</b> , 137, 111-6	2.3	55
163	State-dependent modulation of sensory feedback. <i>Journal of Physiology</i> , <b>2001</b> , 533, 5-13	3.9	111
162	Phase-dependent modulation of cutaneous reflexes of tibialis anterior muscle during hopping. <b>2001</b> , 897, 180-3		10
161	Do human bipeds use quadrupedal coordination?. <b>2002</b> , 25, 462-7		335
160	Voluntary neuromuscular activation is enhanced when paired with a mechanical stimulus to human plantar soles. <i>Neuroscience Letters</i> , <b>2002</b> , 334, 75-8	3.3	21
159	Mechanically induced ankle inversion during human walking and jumping. <b>2002</b> , 117, 133-40		29
158	Proprioception and locomotor disorders. <b>2002</b> , 3, 781-90		315
157	Suppressive musculocutaneous reflexes in tibialis anterior following upper leg stimulation at the end of the swing phase. <i>Experimental Brain Research</i> , <b>2003</b> , 149, 405-12	2.3	7
156	Modulation of cutaneous reflexes in arm muscles during walking: further evidence of similar control mechanisms for rhythmic human arm and leg movements. <i>Experimental Brain Research</i> , <b>2003</b> , 149, 260-6	2.3	84
155	Foot-sole reflex receptive fields for human withdrawal reflexes in symmetrical standing position. <i>Experimental Brain Research</i> , <b>2003</b> , 152, 434-43	2.3	41
154	Stumbling corrective responses during treadmill-elicited stepping in human infants. <i>Journal of Physiology</i> , <b>2003</b> , 553, 319-31	3.9	41
153	Contribution of cutaneous inputs from the hindpaw to the control of locomotion. I. Intact cats. <i>Journal of Neurophysiology</i> , <b>2003</b> , 90, 3625-39	3.2	98

152	Coordinated interlimb compensatory responses to electrical stimulation of cutaneous nerves in the hand and foot during walking. <i>Journal of Neurophysiology</i> , <b>2003</b> , 90, 2850-61	3.2	109
151	Contribution of cutaneous inputs from the hindpaw to the control of locomotion. II. Spinal cats. <i>Journal of Neurophysiology</i> , <b>2003</b> , 90, 3640-53	3.2	139
150	Donor-site morbidity after free vascularized autogenous fibular transfer: subjective and quantitative analyses. <b>2003</b> , 111, 2237-42		115
149	Locomotor activity in spinal cord-injured persons. <b>2004</b> , 96, 1954-60		271
148	Step training-dependent plasticity in spinal cutaneous pathways. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 11316-27	3.2	89
147	Neuromuscular and biomechanical coupling in human cycling: modulation of cutaneous reflex responses to sural nerve stimulation. <i>Experimental Brain Research</i> , <b>2004</b> , 158, 450-64	2.3	8
146	Gait acts as a gate for reflexes from the foot. <b>2004</b> , 82, 715-22		59
145	Regulation of arm and leg movement during human locomotion. <b>2004</b> , 10, 347-61		297
144	Cutaneous reflexes from the foot during gait in hereditary spastic paraparesis. <i>Clinical Neurophysiology</i> , <b>2004</b> , 115, 1057-62	4.3	26
143	Cutaneomuscular, withdrawal and flexor reflex afferent responses. <b>2005</b> , 384-451		1
142	Involvement of spinal pathways in different motor tasks. <b>2005</b> , 511-555		1
141	Stumbling corrective reaction during fictive locomotion in the cat. <i>Journal of Neurophysiology</i> , <b>2005</b> , 94, 2045-52	3.2	51
140	Phase-dependent modulation of short latency cutaneous reflexes during walking in man. <b>2005</b> , 1031, 268-75		35
139	Postural uncertainty leads to dynamic control of cutaneous reflexes from the foot during human walking. <b>2005</b> , 1062, 48-62		49
138	Modulation of cutaneous reflexes in human upper limb muscles during arm cycling is independent of activity in the contralateral arm. <i>Experimental Brain Research</i> , <b>2005</b> , 161, 133-44	2.3	34
137	Adapting locomotion to different surface compliances: neuromuscular responses and changes in movement dynamics. <i>Journal of Neurophysiology</i> , <b>2005</b> , 94, 1733-50	3.2	85
136	Changing the texture of footwear can alter gait patterns. <i>Journal of Electromyography and Kinesiology</i> , <b>2005</b> , 15, 496-506	2.5	117
135	Forward and backward arm cycling are regulated by equivalent neural mechanisms. <i>Journal of Neurophysiology</i> , <b>2005</b> , 93, 633-40	3.2	31

134	Location-specific and task-dependent modulation of cutaneous reflexes in intrinsic human hand muscles. <i>Clinical Neurophysiology</i> , <b>2006</b> , 117, 420-9	4.3	19
133	Modulations of interlimb and intralimb cutaneous reflexes during simultaneous arm and leg cycling in humans. <i>Clinical Neurophysiology</i> , <b>2006</b> , 117, 1301-11	4.3	31
132	Context-dependent modulation of interlimb cutaneous reflexes in arm muscles as a function of stability threat during walking. <i>Journal of Neurophysiology</i> , <b>2006</b> , 96, 3096-103	3.2	28
131	Cutaneous reflexes evoked during human walking are reduced when self-induced. <i>Journal of Physiology</i> , <b>2006</b> , 570, 113-24	3.9	20
130	Cutaneous reflexes during rhythmic arm cycling are insensitive to asymmetrical changes in crank length. <i>Experimental Brain Research</i> , <b>2006</b> , 168, 165-77	2.3	15
129	Location specificity of plantar cutaneous reflexes involving lower limb muscles in humans. <i>Experimental Brain Research</i> , <b>2006</b> , 175, 514-25	2.3	40
128	Task-specific modulation of cutaneous reflexes expressed at functionally relevant gait cycle phases during level and incline walking and stair climbing. <i>Experimental Brain Research</i> , <b>2006</b> , 173, 185-92	2.3	48
127	Babinski, Pseudo-Babinski, and DystoniaReply. <b>2007</b> , 64, 1209		1
126	Babinski, pseudo-Babinski, and dystonia. <b>2007</b> , 64, 1207-9; author reply 1209		2
125	Control of foot trajectory in walking toddlers: adaptation to load changes. <i>Journal of Neurophysiology</i> , <b>2007</b> , 97, 2790-801	3.2	35
124	Parallel facilitatory reflex pathways from the foot and hip to flexors and extensors in the injured human spinal cord. <b>2007</b> , 206, 146-58		10
123	Unloading reaction to electrical stimulation at neutral and supinated ankle positions. <i>Gait and Posture</i> , <b>2007</b> , 26, 106-12	2.6	15
122	Proactive and reactive mechanisms play a role in stepping on inverting surfaces during gait. <i>Journal of Neurophysiology</i> , <b>2007</b> , 98, 2266-73	3.2	31
121	Earth-referenced handrail contact facilitates interlimb cutaneous reflexes during locomotion. <i>Journal of Neurophysiology</i> , <b>2007</b> , 98, 433-42	3.2	30
120	Neural regulation of rhythmic arm and leg movement is conserved across human locomotor tasks. <i>Journal of Physiology</i> , <b>2007</b> , 582, 209-27	3.9	96
119	Biomechanical effects of foot orthoses during walking. <i>Foot</i> , <b>2007</b> , 17, 143-153	1.3	37
118	Muscle activation and cutaneous reflex modulation during rhythmic and discrete arm tasks in orthopaedic shoulder instability. <i>Experimental Brain Research</i> , <b>2007</b> , 179, 339-51	2.3	13
117	Load-related modulation of cutaneous reflexes in the tibialis anterior muscle during passive walking in humans. <b>2008</b> , 27, 1566-76		39

116	Motor Systems. <b>2008</b> , 841-887		1
115	The action of plantar pressure on flexion reflex pathways in the isolated human spinal cord. <i>Clinical Neurophysiology</i> , <b>2008</b> , 119, 892-6	4.3	19
114	Proprioceptive perturbations of stability during gait. <b>2008</b> , 38, 399-410		33
113	Phase-dependent modulation of cutaneous reflexes in tibialis anterior muscle during passive stepping. <b>2008</b> , 30, 46-51		11
112	Adaptation of cutaneous stumble correction when tripping is part of the locomotor environment. <i>Journal of Neurophysiology</i> , <b>2008</b> , 99, 2789-97	3.2	19
111	Visual and cutaneous triggering of rapid step initiation. <i>Experimental Brain Research</i> , <b>2009</b> , 192, 167-73	2.3	7
110	Location-specific modulations of plantar cutaneous reflexes in human (peroneus longus muscle) are dependent on co-activation of ankle muscles. <i>Experimental Brain Research</i> , <b>2009</b> , 195, 403-12	2.3	15
109	Flexion reflex modulation during stepping in human spinal cord injury. <i>Experimental Brain Research</i> , <b>2009</b> , 196, 341-51	2.3	26
108	Activation of walking by electrical stimulation in humans under the conditions of muscle unloading and its variations under the effect of afferent influences. <b>2009</b> , 35, 295-305		
107	Tonic central and sensory stimuli facilitate involuntary air-stepping in humans. <i>Journal of Neurophysiology</i> , <b>2009</b> , 101, 2847-58	3.2	65
106	Context-dependent modulation of cutaneous reflex amplitudes during forward and backward leg cycling. <b>2009</b> , 13, 368-86		6
105	Plantar cutaneous afferents normalize the reflex modulation patterns during stepping in chronic human spinal cord injury. <i>Journal of Neurophysiology</i> , <b>2010</b> , 103, 1304-14	3.2	32
104	Modulation of cutaneous reflexes from the foot during gait in Parkinson's disease. <i>Journal of Neurophysiology</i> , <b>2010</b> , 104, 230-8	3.2	6
103	Ankle sprains: getting off on the wrong foot. <b>2010</b> , 38, 143-9		11
102	Modulation of spinal reflex by assisted locomotion in humans with chronic complete spinal cord injury. <i>Clinical Neurophysiology</i> , <b>2010</b> , 121, 2152-8	4.3	10
101	Neural control of locomotion and training-induced plasticity after spinal and cerebral lesions. <i>Clinical Neurophysiology</i> , <b>2010</b> , 121, 1655-68	4.3	72
100	Effects of reduced plantar cutaneous afferent feedback on locomotor adjustments in dynamic stability during perturbed walking. <b>2011</b> , 44, 2194-200		32
99	Le chat dans l'homme De la recherche fondamentale en neuroscience à ses applications dans la rééducation de la marche. <b>2011</b> , 11, 26-28		

98	A novel approach to mechanical foot stimulation during human locomotion under body weight support. <b>2011</b> , 30, 352-67		25
97	Multi-frequency arm cycling reveals bilateral locomotor coupling to increase movement symmetry. <i>Experimental Brain Research</i> , <b>2011</b> , 211, 299-312	2.3	20
96	A new approach for detecting and analyzing cutaneous reflexes during locomotion. <i>Journal of Neurophysiology</i> , <b>2011</b> , 105, 1406-15	3.2	7
95	Selective bilateral activation of leg muscles after cutaneous nerve stimulation during backward walking. <i>Journal of Neurophysiology</i> , <b>2012</b> , 108, 1933-41	3.2	19
94	Stance-phase force on the opposite limb dictates swing-phase afferent presynaptic inhibition during locomotion. <i>Journal of Neurophysiology</i> , <b>2012</b> , 107, 3168-80	3.2	22
93	Effects of changes in plantar sensory feedback on human gait characteristics: a systematic review. <b>2012</b> , 4, 1-22		18
92	Reduced plantar cutaneous sensation modifies gait dynamics, lower-limb kinematics and muscle activity during walking. <b>2012</b> , 112, 3829-38		37
91	The relationship between foot motion and lumbopelvic-hip function: a review of the literature. <i>Foot</i> , <b>2012</b> , 22, 224-31	1.3	41
90	Foot anatomy specialization for postural sensation and control. <i>Journal of Neurophysiology</i> , <b>2012</b> , 107, 1513-21	3.2	77
89	Persistence of locomotor-related interlimb reflex networks during walking after stroke. <i>Clinical Neurophysiology</i> , <b>2012</b> , 123, 796-807	4.3	46
88	Cutaneomuscular, Withdrawal and Flexor Reflex Afferent (BRA) Responses. 334-394		
87	Tuning of the excitability of transcortical cutaneous reflex pathways during mirror-like activity. <i>Experimental Brain Research</i> , <b>2012</b> , 216, 135-44	2.3	3
86	Does skin stimulation compensate impairments in postural control after ankle plantar flexors fatigue?. <i>Gait and Posture</i> , <b>2013</b> , 37, 611-4	2.6	6
85	Phase-dependent reflex modulation in tibialis anterior during passive viewing of walking. <i>Acta Psychologica</i> , <b>2013</b> , 142, 343-8	1.7	11
84	Gain modulation of the middle latency cutaneous reflex in patients with chronic joint instability after ankle sprain. <i>Clinical Neurophysiology</i> , <b>2013</b> , 124, 1406-13	4.3	10
83	Single low-threshold afferents innervating the skin of the human foot modulate ongoing muscle activity in the upper limbs. <i>Journal of Neurophysiology</i> , <b>2013</b> , 109, 1614-25	3.2	22
82	Prior experience does not alter modulation of cutaneous reflexes during manual wheeling and symmetrical arm cycling. <i>Journal of Neurophysiology</i> , <b>2013</b> , 109, 2345-53	3.2	1
81	The flexion synergy, mother of all synergies and father of new models of gait. <i>Frontiers in Computational Neuroscience</i> , <b>2013</b> , 7, 14	3.5	64

80	Dynamic primitives in the control of locomotion. <i>Frontiers in Computational Neuroscience</i> , <b>2013</b> , 7, 71	3.5	54
79	Convergence in reflex pathways from multiple cutaneous nerves innervating the foot depends upon the number of rhythmically active limbs during locomotion. <i>PLoS ONE</i> , <b>2014</b> , 9, e104910	3.7	15
78	Modification of cutaneous reflexes during visually guided walking. <i>Journal of Neurophysiology</i> , <b>2014</b> , 111, 379-93	3.2	4
77	Locomotor training alters the behavior of flexor reflexes during walking in human spinal cord injury. <i>Journal of Neurophysiology</i> , <b>2014</b> , 112, 2164-75	3.2	23
76	Cutaneous stimulation of discrete regions of the sole during locomotion produces "sensory steering" of the foot. <i>BMC Sports Science, Medicine and Rehabilitation</i> , <b>2014</b> , 6, 33	2.4	43
75	Leg skin stimulation can be a strategy to improve postural control in the elderly. <i>Neuroscience Letters</i> , <b>2014</b> , 562, 60-2	3.3	3
74	Balance-corrective responses to unexpected perturbations at the arms during treadmill walking. <i>Journal of Neurophysiology</i> , <b>2014</b> , 112, 1790-800	3.2	8
73	Human Cutaneous Reflexes Evoked with Simultaneous Multiple Nerve Stimulation during Rhythmic Locomotor-Like Arm and Leg Cycling in Stroke Subjects. <i>Biosystems and Biorobotics</i> , <b>2014</b> , 255-261	0.2	4
72	Effects of sensorimotor foot training on the symmetry of weight distribution on the lower extremities of patients in the chronic phase after stroke. <i>Journal of Physical Therapy Science</i> , <b>2015</b> , 27, 2925-30	1	4
71	Reflex control of human locomotion: Existence, features and functions of common interneuronal system induced by multiple sensory inputs in humans. <i>The Journal of Physical Fitness and Sports Medicine</i> , <b>2015</b> , 4, 197-211	0.5	5
70	Cutaneous reflex modulation and self-induced reflex attenuation in cerebellar patients. <i>Journal of Neurophysiology</i> , <b>2015</b> , 113, 915-24	3.2	6
69	Recovery response latencies to tripping perturbations during gait decrease with practice. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 6748-51	0.9	2
68	Genetically identified spinal interneurons integrating tactile afferents for motor control. <i>Journal of Neurophysiology</i> , <b>2015</b> , 114, 3050-63	3.2	9
67	Interlimb Coordination During Step-to-Step Transition and Gait Performance. <i>Journal of Motor Behavior</i> , <b>2015</b> , 47, 563-74	1.4	12
66	Sensory-evoked perturbations of locomotor activity by sparse sensory input: a computational study. <i>Journal of Neurophysiology</i> , <b>2015</b> , 113, 2824-39	3.2	7
65	Short-Term Effect of Prosthesis Transforming Sensory Modalities on Walking in Stroke Patients with Hemiparesis. <i>Neural Plasticity</i> , <b>2016</b> , 2016, 6809879	3.3	7
64	Exploiting Interlimb Arm and Leg Connections for Walking Rehabilitation: A Training Intervention in Stroke. <i>Neural Plasticity</i> , <b>2016</b> , 2016, 1517968	3.3	25
63	Memory-Guided Stumbling Correction in the Hindlimb of Quadrupeds Relies on Parietal Area 5. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 561-573	5.1	7



62	Two-stage muscle activity responses in decisions about leg movement adjustments during trip recovery. <i>Journal of Neurophysiology</i> , <b>2016</b> , 115, 143-56	3.2	15
61	Soleus Hoffmann reflex amplitudes are specifically modulated by cutaneous inputs from the arms and opposite leg during walking but not standing. <i>Experimental Brain Research</i> , <b>2016</b> , 234, 2293-304	2.3	4
60	Maintenance of cutaneomuscular neuronal excitability after leg-cycling predicts lower limb muscle strength after incomplete spinal cord injury. <i>Clinical Neurophysiology</i> , <b>2016</b> , 127, 2402-9	4.3	7
59	Regionally distinct cutaneous afferent populations contribute to reflex modulation evoked by stimulation of the tibial nerve during walking. <i>Journal of Neurophysiology</i> , <b>2016</b> , 116, 183-90	3.2	6
58	Abnormal cutaneous flexor reflex activity during controlled isometric plantarflexion in human spinal cord injury spasticity syndrome. <i>Spinal Cord</i> , <b>2016</b> , 54, 687-94	2.7	8
57	Phase-dependent reversal of the crossed conditioning effect on the soleus Hoffmann reflex from cutaneous afferents during walking in humans. <i>Experimental Brain Research</i> , <b>2016</b> , 234, 617-26	2.3	3
56	Afferent electrical stimulation during cycling improves spinal processing of sensorimotor function after incomplete spinal cord injury. <i>NeuroRehabilitation</i> , <b>2017</b> , 40, 429-437	2	5
55	Cutaneous reflex modulation during obstacle avoidance under conditions of normal and degraded visual input. <i>Experimental Brain Research</i> , <b>2017</b> , 235, 2483-2493	2.3	3
54	Nonlinear Modulation of Cutaneous Reflexes with Increasing Speed of Locomotion in Spinal Cats. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 3896-3912	6.6	14
53	Ageing reduces light touch and vibrotactile sensitivity on the anterior lower leg and foot dorsum. <i>Experimental Gerontology</i> , <b>2017</b> , 99, 1-6	4.5	10
52	Beyond the Bottom of the Foot: Topographic Organization of the Foot Dorsum in Walking. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 2439-2450	1.2	7
51	Stimulation of the Spinal Cord for the Control of Walking. <i>Series on Bioengineering and Biomedical Engineering</i> , <b>2017</b> , 811-849		4
50	Evaluation of a Neuromechanical Walking Control Model Using Disturbance Experiments. <i>Frontiers in Computational Neuroscience</i> , <b>2017</b> , 11, 15	3.5	27
49	Assessing sensorimotor excitability after spinal cord injury: a reflex testing method based on cycling with afferent stimulation. <i>Medical and Biological Engineering and Computing</i> , <b>2018</b> , 56, 1425-1434 <sup>3,1</sup>		2
48	Enhancing Biped Locomotion on Unknown Terrain Using Tactile Feedback. <b>2018</b> ,		11
47	A Spinal Mechanism Related to Left-Right Symmetry Reduces Cutaneous Reflex Modulation Independently of Speed During Split-Belt Locomotion. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 10314-10328	6.6	12
46	Stumbling corrective reaction elicited by mechanical and electrical stimulation of the saphenous nerve in walking mice. <i>Journal of Experimental Biology</i> , <b>2018</b> , 221,	3	13
45	Sherlock Holmes and the curious case of the human locomotor central pattern generator. <i>Journal of Neurophysiology</i> , <b>2018</b> , 120, 53-77	3.2	21

44	Afferent stimulation inhibits abnormal cutaneous reflex activity in patients with spinal cord injury spasticity syndrome. <i>NeuroRehabilitation</i> , <b>2018</b> , 43, 135-146	2	3
43	Walking with perturbations: a guide for biped humans and robots. <i>Bioinspiration and Biomimetics</i> , <b>2018</b> , 13, 061001	2.6	14
42	We Are Upright-Walking Cats: Human Limbs as Sensory Antennae During Locomotion. <i>Physiology</i> , <b>2019</b> , 34, 354-364	9.8	17
41	Non-ideal behavior of a treadmill depends on gait phase, speed, and weight. <i>Scientific Reports</i> , <b>2019</b> , 9, 12755	4.9	3
40	Sensory enhancement amplifies interlimb cutaneous reflexes in wrist extensor muscles. <i>Journal of Neurophysiology</i> , <b>2019</b> , 122, 2085-2094	3.2	4
39	Effects of chronic ankle instability on cutaneous reflex modulation during walking. <i>Experimental Brain Research</i> , <b>2019</b> , 237, 1959-1971	2.3	4
38	Acquisition of a precision walking skill and the impact of proprioceptive deficits in people with motor-incomplete spinal cord injury. <i>Journal of Neurophysiology</i> , <b>2019</b> , 121, 1078-1084	3.2	4
37	Why do we move to the beat? A multi-scale approach, from physical principles to brain dynamics. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2020</b> , 112, 553-584	9	30
36	Gait and plantar sensation changes following massage and textured insole application in patients after anterior cruciate ligament reconstruction. <i>Gait and Posture</i> , <b>2020</b> , 81, 254-260	2.6	0
35	Modulation of cutaneous reflexes during sidestepping in adult humans. <i>Experimental Brain Research</i> , <b>2020</b> , 238, 2229-2243	2.3	1
34	What lies beneath the brain: Neural circuits involved in human locomotion. <b>2020</b> , 385-418		2
33	The potential influence of stochastic resonance vibrations on neuromuscular strategies and center of pressure sway during single-leg stance. <i>Clinical Biomechanics</i> , <b>2020</b> , 77, 105069	2.2	3
32	Changing coupling between the arms and legs with slow walking speeds alters regulation of somatosensory feedback. <i>Experimental Brain Research</i> , <b>2020</b> , 238, 1335-1349	2.3	1
31	Transspinal stimulation downregulates activity of flexor locomotor networks during walking in humans. <i>Journal of Electromyography and Kinesiology</i> , <b>2020</b> , 52, 102420	2.5	5
30	Effects of enhanced cutaneous sensory input on interlimb strength transfer of the wrist extensors. <i>Physiological Reports</i> , <b>2020</b> , 8, e14406	2.6	3
29	Long-lasting changes in muscle activation and step cycle variables induced by repetitive sensory stimulation to discrete areas of the foot sole during walking. <i>Journal of Neurophysiology</i> , <b>2021</b> , 125, 3313-3343	3.2	1
28	Effects of augmented somatosensory input using vibratory insoles to improve walking in individuals with chronic post-stroke hemiparesis. <i>Gait and Posture</i> , <b>2021</b> , 86, 77-82	2.6	4
27	Soleus responses to Achilles tendon stimuli are suppressed by heel and enhanced by metatarsal cutaneous stimuli during standing. <i>Journal of Physiology</i> , <b>2021</b> , 599, 3611-3625	3.9	1

26	Stimulation of the Dorsal Root Ganglion Using an Injectrode .		0
25	Common and distinct muscle synergies during level and slope locomotion in the cat. <i>Journal of Neurophysiology</i> , <b>2021</b> , 126, 493-515	3.2	5
24	Gait adaptations during walking under visual and cognitive constraints: a study of patients recovering from limb-saving surgery of the lower limb. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>1998</b> , 77, 503-9	2.6	29
23	Neural control of rhythmic, cyclical human arm movement: task dependency, nerve specificity and phase modulation of cutaneous reflexes. <i>Journal of Physiology</i> , <b>2001</b> , 537, 1033-45	3.9	41
22	Evaluation of the Phase-Dependent Rhythm Control of Human Walking Using Phase Response Curves. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004950	5	17
21	Walking is not like reaching: evidence from periodic mechanical perturbations. <i>PLoS ONE</i> , <b>2012</b> , 7, e31763.7	3.7	39
20	A simple state-determined model reproduces entrainment and phase-locking of human walking. <i>PLoS ONE</i> , <b>2012</b> , 7, e47963	3.7	29
19	Observing a movement correction during walking affects evoked responses but not unperturbed walking. <i>PLoS ONE</i> , <b>2014</b> , 9, e104981	3.7	7
18	EFFECTS OF ALTERING PARAMETERS FOR ELECTRICAL STIMULATION ON CUTANEOUS REFLEXES IN HUMAN INTRINSIC HAND MUSCLE. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , <b>2005</b> , 54, 315-323	0.1	1
17	Stimulation of the dorsal root ganglion using an Injectrode. <i>Journal of Neural Engineering</i> , <b>2021</b> , 18,	5	3
16	Spinal Networks Involved in Interlimb Co-ordination and Reflex Regulation of Locomotion. <b>2004</b> , 93-108		
15	Sistemi motori. <b>2010</b> , 841-887		
14	Reflex modulation during rhythmic limb movements in humans. <i>The Journal of Physical Fitness and Sports Medicine</i> , <b>2012</b> , 1, 37-49	0.5	3
13	????????????????????(????????????????). <i>Journal of the Society of Biomechanisms</i> , <b>1999</b> , 23, 157-165	0	
12	Modulation of cutaneous reflexes in trunk muscles induced by stimulating the cutaneous nerve that innervates the foot during walking and standing in humans. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , <b>2015</b> , 64, 135-144	0.1	
11	The Possible Role of Foot Sole Mechanoreceptors for Gait Neurorehabilitation. II [A Dynamometric Map of the Foot Sole. <i>Biosystems and Biorobotics</i> , <b>2019</b> , 538-541	0.2	
10	The Possible Role of Foot Sole Mechanoreceptors for Gait Neurorehabilitation. I [A Review. <i>Biosystems and Biorobotics</i> , <b>2019</b> , 533-537	0.2	
9	Effects of increasing temperature in different foot regions on foot sensitivity and postural control in young adults.. <i>Foot</i> , <b>2021</b> , 50, 101887	1.3	0

8	Application of vibration to the soles reduces minimum toe clearance variability during walking.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0261732	3-7	1
7	Control of Mammalian Locomotion by Somatosensory Feedback.. <i>Comprehensive Physiology</i> , <b>2021</b> , 12, 2877-2947	7-7	3
6	Brain and spinal cord paired stimulation coupled with locomotor training affects polysynaptic flexion reflex circuits in human spinal cord injury.. <i>Experimental Brain Research</i> , <b>2022</b> , 1	2-3	1
5	The effect of texture under distinct regions of the foot sole on human locomotion. <i>Experimental Brain Research</i> , <b>2022</b> , 240, 2175-2189	2-3	
4	Human spinal networks. <b>2023</b> , 311-341		0
3	Sensory Perturbations from Hindlimb Cutaneous Afferents Generate Coordinated Functional Responses in All Four Limbs during Locomotion in Intact Cats. <b>2022</b> , 9, ENEURO.0178-22.2022		0
2	Altered cutaneous reflexes to non-noxious stimuli in the triceps surae of people with chronic incomplete spinal cord injury. <b>2023</b> , 129, 513-523		0
1	Neuromechanical strategies for obstacle negotiation during overground locomotion following an incomplete spinal cord injury in adult cats.		0