

# Paul Hodges

## List of Publications by Year in descending order

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533  
papers

38,245  
citations

1704

104  
h-index

4432

172  
g-index

557  
all docs

557  
docs citations

557  
times ranked

15392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inefficient Muscular Stabilization of the Lumbar Spine Associated With Low Back Pain. Spine, 1996, 21, 2640-2650.	2.0	1,413
2	Moving differently in pain: A new theory to explain the adaptation to pain. Pain, 2011, 152, S90-S98.	4.2	712
3	Measurement of muscle contraction with ultrasound imaging. Muscle and Nerve, 2003, 27, 682-692.	2.2	685
4	Contraction of the Abdominal Muscles Associated With Movement of the Lower Limb. Physical Therapy, 1997, 77, 132-142.	2.4	650
5	A comparison of computer-based methods for the determination of onset of muscle contraction using electromyography. Electroencephalography and Clinical Neurophysiology, 1996, 101, 511-519.	0.3	618
6	Altered trunk muscle recruitment in people with low back pain with upper limb movement at different speeds. Archives of Physical Medicine and Rehabilitation, 1999, 80, 1005-1012.	0.9	520
7	Feedforward contraction of transversus abdominis is not influenced by the direction of arm movement. Experimental Brain Research, 1997, 114, 362-370.	1.5	508
8	Pain and motor control of the lumbopelvic region: effect and possible mechanisms. Journal of Electromyography and Kinesiology, 2003, 13, 361-370.	1.7	491
9	Delayed Postural Contraction of Transversus Abdominis in Low Back Pain Associated with Movement of the Lower Limb. Journal of Spinal Disorders, 1998, 11, 46-56.	1.1	453
10	Patients With Neck Pain Demonstrate Reduced Electromyographic Activity of the Deep Cervical Flexor Muscles During Performance of the Craniocervical Flexion Test. Spine, 2004, 29, 2108-2114.	2.0	451
11	A comparison of computer-based methods for the determination of onset of muscle contraction using electromyography. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1996, 101, 511-519.	1.4	440
12	A Randomized Controlled Trial of Intensive Neurophysiology Education in Chronic Low Back Pain. Clinical Journal of Pain, 2004, 20, 324-330.	1.9	431
13	Co-activation of the abdominal and pelvic floor muscles during voluntary exercises. Neurourology and Urodynamics, 2001, 20, 31-42.	1.5	413
14	Delayed onset of electromyographic activity of vastus medialis obliquus relative to vastus lateralis in subjects with patellofemoral pain syndrome. Archives of Physical Medicine and Rehabilitation, 2001, 82, 183-189.	0.9	407
15	Changes in Recruitment of the Abdominal Muscles in People With Low Back Pain. Spine, 2004, 29, 2560-2566.	2.0	373
16	Experimental muscle pain changes feedforward postural responses of the trunk muscles. Experimental Brain Research, 2003, 151, 262-271.	1.5	366
17	Reorganization of the motor cortex is associated with postural control deficits in recurrent low back pain. Brain, 2008, 131, 2161-2171.	7.6	364
18	Changes in intra-abdominal pressure during postural and respiratory activation of the human diaphragm. Journal of Applied Physiology, 2000, 89, 967-976.	2.5	348

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19	Comparison of general exercise, motor control exercise and spinal manipulative therapy for chronic low back pain: A randomized trial. Pain, 2007, 131, 31-37.	4.2	341
20	Contraction of the pelvic floor muscles during abdominal maneuvers. Archives of Physical Medicine and Rehabilitation, 2001, 82, 1081-1088.	0.9	331
21	Is there a role for transversus abdominis in lumbo-pelvic stability?. Manual Therapy, 1999, 4, 74-86.	1.6	329
22	Deep and Superficial Fibers of the Lumbar Multifidus Muscle Are Differentially Active During Voluntary Arm Movements. Spine, 2002, 27, E29-E36.	2.0	320
23	Postural and respiratory functions of the pelvic floor muscles. Neurourology and Urodynamics, 2007, 26, 362-371.	1.5	320
24	Rapid Atrophy of the Lumbar Multifidus Follows Experimental Disc or Nerve Root Injury. Spine, 2006, 31, 2926-2933.	2.0	315
25	Effect of Neck Exercise on Sitting Posture in Patients With Chronic Neck Pain. Physical Therapy, 2007, 87, 408-417.	2.4	300
26	Why do some patients keep hurting their back? Evidence of ongoing back muscle dysfunction during remission from recurrent back pain. Pain, 2009, 142, 183-188.	4.2	298
27	Changes in motor planning of feedforward postural responses of the trunk muscles in low back pain. Experimental Brain Research, 2001, 141, 261-266.	1.5	292
28	Intra-abdominal pressure increases stiffness of the lumbar spine. Journal of Biomechanics, 2005, 38, 1873-1880.	2.1	286
29	Preparatory trunk motion accompanies rapid upper limb movement. Experimental Brain Research, 1999, 124, 69-79.	1.5	269
30	The effect of therapeutic exercise on activation of the deep cervical flexor muscles in people with chronic neck pain. Manual Therapy, 2009, 14, 696-701.	1.6	260
31	Feedforward activity of the cervical flexor muscles during voluntary arm movements is delayed in chronic neck pain. Experimental Brain Research, 2004, 157, 43-48.	1.5	255
32	Interaction Between Pain, Movement, and Physical Activity. Clinical Journal of Pain, 2015, 31, 97-107.	1.9	253
33	The lumbar multifidus: Does the evidence support clinical beliefs?. Manual Therapy, 2006, 11, 254-263.	1.6	238
34	Core stability exercise in chronic low back pain. Orthopedic Clinics of North America, 2003, 34, 245-254.	1.2	237
35	Pain and motor control: From the laboratory to rehabilitation. Journal of Electromyography and Kinesiology, 2011, 21, 220-228.	1.7	234
36	Contraction of the human diaphragm during rapid postural adjustments. Journal of Physiology, 1997, 505, 539-548.	2.9	229

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37	Activation of the human diaphragm during a repetitive postural task. <i>Journal of Physiology</i> , 2000, 522, 165-175.	2.9	229
38	Rehabilitative Ultrasound Imaging of the Abdominal Muscles. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2007, 37, 450-466.	3.5	223
39	Motor Control Exercise for Chronic Low Back Pain: A Randomized Placebo-Controlled Trial. <i>Physical Therapy</i> , 2009, 89, 1275-1286.	2.4	220
40	Hip Strategy for Balance Control in Quiet Standing Is Reduced in People With Low Back Pain. <i>Spine</i> , 2004, 29, E107-E112.	2.0	218
41	Hip strengthening reduces symptoms but not knee load in people with medial knee osteoarthritis and varus malalignment: a randomised controlled trial. <i>Osteoarthritis and Cartilage</i> , 2010, 18, 621-628.	1.3	217
42	Coexistence of stability and mobility in postural control: evidence from postural compensation for respiration. <i>Experimental Brain Research</i> , 2002, 144, 293-302.	1.5	215
43	Retraining cervical joint position sense: The effect of two exercise regimes. <i>Journal of Orthopaedic Research</i> , 2007, 25, 404-412.	2.3	215
44	Evidence of Altered Lumbopelvic Muscle Recruitment in the Presence of Sacroiliac Joint Pain. <i>Spine</i> , 2003, 28, 1593-1600.	2.0	214
45	Immediate changes in feedforward postural adjustments following voluntary motor training. <i>Experimental Brain Research</i> , 2007, 181, 537-546.	1.5	208
46	Physical therapy alters recruitment of the vasti in patellofemoral pain syndrome. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 1879-1885.	0.4	204
47	ISSLS Prize Winner. <i>Spine</i> , 2011, 36, 1721-1727.	2.0	203
48	Abdominal muscle recruitment during a range of voluntary exercises. <i>Manual Therapy</i> , 2005, 10, 144-153.	1.6	199
49	Changes in the mechanical properties of the trunk in low back pain may be associated with recurrence. <i>Journal of Biomechanics</i> , 2009, 42, 61-66.	2.1	199
50	A checklist for assessing the methodological quality of studies using transcranial magnetic stimulation to study the motor system: An international consensus study. <i>Clinical Neurophysiology</i> , 2012, 123, 1698-1704.	1.5	196
51	Intervertebral Stiffness of the Spine Is Increased by Evoked Contraction of Transversus Abdominis and the Diaphragm: In Vivo Porcine Studies. <i>Spine</i> , 2003, 28, 2594-2601.	2.0	195
52	Persistence of improvements in postural strategies following motor control training in people with recurrent low back pain. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 559-567.	1.7	190
53	Effect of Motor Control Exercises Versus Graded Activity in Patients With Chronic Nonspecific Low Back Pain: A Randomized Controlled Trial. <i>Physical Therapy</i> , 2012, 92, 363-377.	2.4	182
54	Changes in paraspinal muscles and their association with low back pain and spinal degeneration: CT study. <i>European Spine Journal</i> , 2010, 19, 1136-1144.	2.2	180

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55	Are the Changes in Postural Control Associated With Low Back Pain Caused by Pain Interference?. Clinical Journal of Pain, 2005, 21, 323-329.	1.9	178
56	Peripheral electrical stimulation to induce cortical plasticity: A systematic review of stimulus parameters. Clinical Neurophysiology, 2011, 122, 456-463.	1.5	177
57	Driving plasticity in the motor cortex in recurrent low back pain. European Journal of Pain, 2010, 14, 832-839.	2.8	173
58	Reduced variability of postural strategy prevents normalization of motor changes induced by back pain: A risk factor for chronic trouble?. Behavioral Neuroscience, 2006, 120, 474-476.	1.2	172
59	Consensus for experimental design in electromyography (CEDE) project: Amplitude normalization matrix. Journal of Electromyography and Kinesiology, 2020, 53, 102438.	1.7	170
60	Relationship between limb movement speed and associated contraction of the trunk muscles. Ergonomics, 1997, 40, 1220-1230.	2.1	169
61	Interventions to prevent back pain and back injury in nurses: a systematic review. Occupational and Environmental Medicine, 2007, 64, 642-650.	2.8	168
62	Postural activity of the diaphragm is reduced in humans when respiratory demand increases. Journal of Physiology, 2001, 537, 999-1008.	2.9	165
63	Strain and excursion of the sciatic, tibial, and plantar nerves during a modified straight leg raising test. Journal of Orthopaedic Research, 2006, 24, 1883-1889.	2.3	163
64	Motor Control Changes in Low Back Pain: Divergence in Presentations and Mechanisms. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 370-379.	3.5	163
65	Is "ideal" sitting posture real?: Measurement of spinal curves in four sitting postures. Manual Therapy, 2009, 14, 404-408.	1.6	162
66	Altered vastii recruitment when people with patellofemoral pain syndrome complete a postural task. Archives of Physical Medicine and Rehabilitation, 2002, 83, 989-995.	0.9	161
67	Transversus abdominis and the superficial abdominal muscles are controlled independently in a postural task. Neuroscience Letters, 1999, 265, 91-94.	2.1	154
68	Therapeutic Patellar Taping Changes the Timing of Vasti Muscle Activation in People With Patellofemoral Pain Syndrome. Clinical Journal of Sport Medicine, 2002, 12, 339-347.	1.8	154
69	Texting and Walking: Strategies for Postural Control and Implications for Safety. PLoS ONE, 2014, 9, e84312.	2.5	152
70	Disorders of breathing and continence have a stronger association with back pain than obesity and physical activity. Australian Journal of Physiotherapy, 2006, 52, 11-16.	0.9	150
71	In vivo measurement of the effect of intra-abdominal pressure on the human spine. Journal of Biomechanics, 2001, 34, 347-353.	2.1	147
72	Postural response of the pelvic floor and abdominal muscles in women with and without incontinence. Neurourology and Urodynamics, 2007, 26, 377-385.	1.5	147

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73	Different Ways to Balance the Spine. Spine, 2009, 34, E208-E214.	2.0	147
74	Does anticipation of back pain predispose to back trouble?. Brain, 2004, 127, 2339-2347.	7.6	146
75	Development and Testâ€Retest Reliability of an Extended Version of the Nordic Musculoskeletal Questionnaire (NMQ-E): A Screening Instrument for Musculoskeletal Pain. Journal of Pain, 2009, 10, 517-526.	1.4	146
76	The psychological features of patellofemoral pain: a systematic review. British Journal of Sports Medicine, 2017, 51, 732-742.	6.7	146
77	Postural and respiratory activation of the trunk muscles changes with mode and speed of locomotion. Gait and Posture, 2004, 20, 280-290.	1.4	140
78	Rehabilitative Ultrasound Imaging of the Posterior Paraspinal Muscles. Journal of Orthopaedic and Sports Physical Therapy, 2007, 37, 581-595.	3.5	140
79	Neuromuscular Versus Quadriceps Strengthening Exercise in Patients With Medial Knee Osteoarthritis and Varus Malalignment: A Randomized Controlled Trial. Arthritis and Rheumatology, 2014, 66, 950-959.	5.6	138
80	Regional morphology of the transversus abdominis and obliquus internus and externus abdominis muscles. Clinical Biomechanics, 2005, 20, 233-241.	1.2	137
81	An endurance-strength training regime is effective in reducing myoelectric manifestations of cervical flexor muscle fatigue in females with chronic neck pain. Clinical Neurophysiology, 2006, 117, 828-837.	1.5	137
82	Evaluation of the relationship between laboratory and clinical tests of transversus abdominis function. Physiotherapy Research International, 1996, 1, 30-40.	1.5	135
83	Fascial tissue research in sports medicine: from molecules to tissue adaptation, injury and diagnostics: consensus statement. British Journal of Sports Medicine, 2018, 52, 1497-1497.	6.7	134
84	Delayed postural contraction of transversus abdominis in low back pain associated with movement of the lower limb. Journal of Spinal Disorders, 1998, 11, 46-56.	1.1	132
85	Quadriceps Activation in Closed and in Open Kinetic Chain Exercise. Medicine and Science in Sports and Exercise, 2003, 35, 2043-2047.	0.4	128
86	Changes in recruitment of transversus abdominis correlate with disability in people with chronic low back pain. British Journal of Sports Medicine, 2010, 44, 1166-1172.	6.7	128
87	New insight into motor adaptation to pain revealed by a combination of modelling and empirical approaches. European Journal of Pain, 2013, 17, 1138-1146.	2.8	127
88	Changes in Structure and Function of the Back Muscles in Low Back Pain: Different Time Points, Observations, and Mechanisms. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 464-476.	3.5	127
89	Delayed Onset of Transversus Abdominus in Long-Standing Groin Pain. Medicine and Science in Sports and Exercise, 2004, 36, 2040-2045.	0.4	126
90	Contractions of specific abdominal muscles in postural tasks are affected by respiratory maneuvers. Journal of Applied Physiology, 1997, 83, 753-760.	2.5	124

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91	Motor Training of the Lumbar Paraspinal Muscles Induces Immediate Changes in Motor Coordination in Patients With Recurrent Low Back Pain. <i>Journal of Pain</i> , 2010, 11, 1120-1128.	1.4	124
92	Three dimensional preparatory trunk motion precedes asymmetrical upper limb movement. <i>Gait and Posture</i> , 2000, 11, 92-101.	1.4	120
93	Motor Unit Recruitment Strategies Are Altered during Deep-Tissue Pain. <i>Journal of Neuroscience</i> , 2009, 29, 10820-10826.	3.6	119
94	Targeting Chronic Recurrent Low Back Pain From the Top-down and the Bottom-up: A Combined Transcranial Direct Current Stimulation and Peripheral Electrical Stimulation Intervention. <i>Brain Stimulation</i> , 2014, 7, 451-459.	1.6	118
95	Patterns of leg muscle recruitment vary between novice and highly trained cyclists. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 359-371.	1.7	116
96	Specific Therapeutic Exercise of the Neck Induces Immediate Local Hypoalgesia. <i>Journal of Pain</i> , 2007, 8, 832-839.	1.4	115
97	Effect of abdominal and pelvic floor tasks on muscle activity, abdominal pressure and bladder neck. <i>International Urogynecology Journal</i> , 2010, 21, 69-77.	1.4	115
98	External Perturbation of the Trunk in Standing Humans Differentially Activates Components of the Medial Back Muscles. <i>Journal of Physiology</i> , 2003, 547, 581-587.	2.9	114
99	Balance is impaired in people with chronic obstructive pulmonary disease. <i>Gait and Posture</i> , 2010, 31, 456-460.	1.4	114
100	People With Recurrent Low Back Pain Respond Differently to Trunk Loading Despite Remission From Symptoms. <i>Spine</i> , 2010, 35, 818-824.	2.0	113
101	Physical impairments and activity limitations in people with femoroacetabular impingement: a systematic review. <i>British Journal of Sports Medicine</i> , 2015, 49, 230-242.	6.7	113
102	Changes in three dimensional lumbo-pelvic kinematics and trunk muscle activity with speed and mode of locomotion. <i>Clinical Biomechanics</i> , 2005, 20, 784-793.	1.2	111
103	The nature of anterior knee pain following injection of hypertonic saline into the infrapatellar fat pad. <i>Journal of Orthopaedic Research</i> , 2004, 22, 116-121.	2.3	109
104	Low-Back Pain Patients Learn to Adapt Motor Behavior With Adverse Secondary Consequences. <i>Exercise and Sport Sciences Reviews</i> , 2017, 45, 223-229.	3.0	107
105	Spinal stiffness changes throughout the respiratory cycle. <i>Journal of Applied Physiology</i> , 2003, 95, 1467-1475.	2.5	105
106	Effects of Tensioning the Lumbar Fasciae on Segmental Stiffness During Flexion and Extension. <i>Spine</i> , 2006, 31, 397-405.	2.0	105
107	Multifidus Muscle Changes After Back Injury Are Characterized by Structural Remodeling of Muscle, Adipose and Connective Tissue, but Not Muscle Atrophy. <i>Spine</i> , 2015, 40, 1057-1071.	2.0	105
108	Increased duration of co-contraction of medial knee muscles is associated with greater progression of knee osteoarthritis. <i>Manual Therapy</i> , 2016, 21, 151-158.	1.6	104

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109	Postural activity of the abdominal muscles varies between regions of these muscles and between body positions. <i>Gait and Posture</i> , 2005, 22, 295-301.	1.4	103
110	Mechanical coupling between transverse plane pelvis and thorax rotations during gait is higher in people with low back pain. <i>Journal of Biomechanics</i> , 2012, 45, 342-347.	2.1	103
111	Fear of Movement Is Related to Trunk Stiffness in Low Back Pain. <i>PLoS ONE</i> , 2013, 8, e67779.	2.5	101
112	Gluteal Tendinopathy: A Review of Mechanisms, Assessment and Management. <i>Sports Medicine</i> , 2015, 45, 1107-1119.	6.5	101
113	Cutaneous stimulation from patella tape causes a differential increase in vasti muscle activity in people with patellofemoral pain. <i>Journal of Orthopaedic Research</i> , 2005, 23, 351-358.	2.3	100
114	Differential activity of regions of transversus abdominis during trunk rotation. <i>European Spine Journal</i> , 2005, 14, 393-400.	2.2	100
115	Sensory and motor deficits exist on the non-injured side of patients with unilateral tendon pain and disabilityâ€”implications for central nervous system involvement: a systematic review with meta-analysis. <i>British Journal of Sports Medicine</i> , 2014, 48, 1400-1406.	6.7	100
116	Title is missing!. <i>Spine</i> , 2003, 28, 1593-1600.	2.0	99
117	Failure to Use Movement in Postural Strategies Leads to Increased Spinal Displacement in Low Back Pain. <i>Spine</i> , 2007, 32, E537-E543.	2.0	99
118	Muscle Pain Differentially Modulates Short Interval Intracortical Inhibition and Intracortical Facilitation in Primary Motor Cortex. <i>Journal of Pain</i> , 2012, 13, 187-194.	1.4	97
119	Consensus for experimental design in electromyography (CEDE) project: Electrode selection matrix. <i>Journal of Electromyography and Kinesiology</i> , 2019, 48, 128-144.	1.7	95
120	Evidence of altered lumbopelvic muscle recruitment in the presence of sacroiliac joint pain. <i>Spine</i> , 2003, 28, 1593-600.	2.0	95
121	Pelvic Floor Muscle Activity in Different Sitting Postures in Continent and Incontinent Women. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1741-1747.	0.9	94
122	Behavior of the Linea Alba During a Curl-up Task in Diastasis Rectus Abdominis: An Observational Study. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2016, 46, 580-589.	3.5	93
123	Altered trunk muscle coordination during rapid trunk flexion in people in remission of recurrent low back pain. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 173-181.	1.7	91
124	Physiotherapy movement based classification approaches to low back pain: comparison of subgroups through review and developer/expert survey. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 24.	1.9	90
125	Postural activity of the pelvic floor muscles is delayed during rapid arm movements in women with stress urinary incontinence. <i>International Urogynecology Journal</i> , 2007, 18, 901-911.	1.4	86
126	Pain induced by injection of hypertonic saline into the infrapatellar fat pad and effect on coordination of the quadriceps muscles. <i>Arthritis and Rheumatism</i> , 2009, 61, 70-77.	6.7	84



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127	Muscle activity during the active straight leg raise (ASLR), and the effects of a pelvic belt on the ASLR and on treadmill walking. <i>Journal of Biomechanics</i> , 2010, 43, 532-539.	2.1	84
128	Standing with assistance of a tilt table in intensive care: A survey of Australian physiotherapy practice. <i>Australian Journal of Physiotherapy</i> , 2004, 50, 51-54.	0.9	81
129	Smudging of the Motor Cortex Is Related to the Severity of Low Back Pain. <i>Spine</i> , 2017, 42, 1172-1178.	2.0	81
130	A critical review of the biopsychosocial model of low back pain care: time for a new approach?. <i>Disability and Rehabilitation</i> , 2022, 44, 3270-3284.	1.8	81
131	Primary Sensory and Motor Cortex Excitability Are Co-Modulated in Response to Peripheral Electrical Nerve Stimulation. <i>PLoS ONE</i> , 2012, 7, e51298.	2.5	81
132	Functional anatomy of the caudal thoracolumbar and lumbosacral spine in the horse. <i>Equine Veterinary Journal</i> , 2006, 38, 393-399.	1.7	80
133	Corticospinal Excitability is Dependent on the Parameters of Peripheral Electric Stimulation: A Preliminary Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 1423-1430.	0.9	78
134	Sitting versus standing: Does the intradiscal pressure cause disc degeneration or low back pain?. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 550-558.	1.7	76
135	Individuals' explanations for their persistent or recurrent low back pain: a cross-sectional survey. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 466.	1.9	76
136	Analysis of Motor Control in Patients With Low Back Pain: A Key to Personalized Care?. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2019, 49, 380-388.	3.5	76
137	Simultaneous feedforward recruitment of the vasti in untrained postural tasks can be restored by physical therapy. <i>Journal of Orthopaedic Research</i> , 2003, 21, 553-558.	2.3	75
138	Rehabilitative Ultrasound Imaging of Pelvic Floor Muscle Function. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2007, 37, 487-498.	3.5	74
139	Individualized Exercise Interventions for Spinal Pain. <i>Exercise and Sport Sciences Reviews</i> , 2017, 45, 105-115.	3.0	74
140	Postural activity of the diaphragm is reduced in humans when respiratory demand increases. <i>Journal of Physiology</i> , 2001, 537, 999-1008.	2.9	73
141	Pain differs from non-painful attention-demanding or stressful tasks in its effect on postural control patterns of trunk muscles. <i>Experimental Brain Research</i> , 2004, 156, 64-71.	1.5	72
142	Postural taping decreases thoracic kyphosis but does not influence trunk muscle electromyographic activity or balance in women with osteoporosis. <i>Manual Therapy</i> , 2008, 13, 249-257.	1.6	72
143	Novel Adaptations in Motor Cortical Maps. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 681-690.	0.4	72
144	Education plus exercise versus corticosteroid injection use versus a wait and see approach on global outcome and pain from gluteal tendinopathy: prospective, single blinded, randomised clinical trial. <i>BMJ: British Medical Journal</i> , 2018, 361, k1662.	2.3	71

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145	Imaging with ultrasound in physical therapy: What is the PT's scope of practice? A competency-based educational model and training recommendations. <i>British Journal of Sports Medicine</i> , 2019, 53, 1447-1453.	6.7	71
146	Isometric and isokinetic hip strength and agonist/antagonist ratios in symptomatic femoroacetabular impingement. <i>Journal of Science and Medicine in Sport</i> , 2016, 19, 696-701.	1.3	70
147	Effects of experimentally-induced anterior knee pain on knee joint position sense in healthy individuals. <i>Journal of Orthopaedic Research</i> , 2005, 23, 46-53.	2.3	69
148	Osseous spinal pathology and epaxial muscle ultrasonography in Thoroughbred racehorses. <i>Equine Veterinary Journal</i> , 2010, 42, 654-661.	1.7	69
149	Changes in excitability of corticomotor inputs to the trunk muscles during experimentally-induced acute low back pain. <i>Neuroscience</i> , 2011, 181, 127-133.	2.3	67
150	Systemic inflammatory profiles and their relationships with demographic, behavioural and clinical features in acute low back pain. <i>Brain, Behavior, and Immunity</i> , 2017, 60, 84-92.	4.1	67
151	Reduced Inspiratory Muscle Endurance Following Successful Weaning From Prolonged Mechanical Ventilation. <i>Chest</i> , 2005, 128, 553-559.	0.8	66
152	Motoneurone recruitment is altered with pain induced in non-muscular tissue. <i>Pain</i> , 2009, 141, 151-155.	4.2	66
153	Predicting Response to Motor Control Exercises and Graded Activity for Patients With Low Back Pain: Preplanned Secondary Analysis of a Randomized Controlled Trial. <i>Physical Therapy</i> , 2014, 94, 1543-1554.	2.4	66
154	Hip joint biomechanics during gait in people with and without symptomatic femoroacetabular impingement. <i>Gait and Posture</i> , 2016, 43, 198-203.	1.4	65
155	Changes in Lumbar Movement in People With Low Back Pain Are Related to Compromised Balance. <i>Spine</i> , 2011, 36, E45-E52.	2.0	64
156	ISSLS PRIZE IN CLINICAL SCIENCE 2018: longitudinal analysis of inflammatory, psychological, and sleep-related factors following an acute low back pain episode—the good, the bad, and the ugly. <i>European Spine Journal</i> , 2018, 27, 763-777.	2.2	64
157	Immediate effects of co-contraction training on motor control of the trunk muscles in people with recurrent low back pain. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 763-773.	1.7	62
158	Behavior of the Lumbar Multifidus During Lower Extremity Movements in People with Recurrent Low Back Pain During Symptom Remission. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2011, 41, 155-164.	3.5	62
159	Similar alteration of motor unit recruitment strategies during the anticipation and experience of pain. <i>Pain</i> , 2012, 153, 636-643.	4.2	62
160	Is balance different in women with and without stress urinary incontinence?. <i>Neurourology and Urodynamics</i> , 2008, 27, 71-78.	1.5	61
161	The impact of neurodynamic testing on the perception of experimentally induced muscle pain. <i>Manual Therapy</i> , 2005, 10, 52-60.	1.6	60
162	Effect of gaze direction on neck muscle activity during cervical rotation. <i>Experimental Brain Research</i> , 2005, 167, 422-432.	1.5	60

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163	Utility of clinical tests to diagnose MRI-confirmed gluteal tendinopathy in patients presenting with lateral hip pain. <i>British Journal of Sports Medicine</i> , 2017, 51, 519-524.	6.7	60
164	Standing with the assistance of a tilt table improves minute ventilation in chronic critically ill patients. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004, 85, 1972-1976.	0.9	59
165	Effect of acute noxious stimulation to the leg or back on muscle synergies during walking. <i>Journal of Neurophysiology</i> , 2015, 113, 244-254.	1.8	59
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