

Stephen Brown

List of Publications by Year in descending order

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133
papers

4,019
citations

117625

34
h-index

144013

57
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all docs

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docs citations

133
times ranked

6884
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the active contractile function of the rat paraspinal muscles reveals unique cross-bridge kinetics in the multifidus. <i>European Spine Journal</i> , 2022, 31, 783-791.	2.2	1
2	Influence of back muscle fatigue on dynamic lumbar spine stability and coordination variability of the thorax-pelvis during repetitive flexion–extension movements. <i>Journal of Biomechanics</i> , 2022, 133, 110959.	2.1	3
3	Dysfunctional paraspinal muscles in adult spinal deformity patients lead to increased spinal loading. <i>European Spine Journal</i> , 2022, 31, 2383-2398.	2.2	7
4	The Effect of Posterior Lumbar Spinal Surgery on Biomechanical Properties of Rat Paraspinal Muscles 13–Weeks After Surgery. <i>Spine</i> , 2021, 46, E1125-E1135.	2.0	3
5	Think about it: Cognitive-motor dual-tasking affects sub-regional spine responses to unexpected trunk perturbations. <i>Human Movement Science</i> , 2021, 76, 102766.	1.4	3
6	Investigating how combined multifidus injury and facet joint compression influence changes in surrounding muscles and facet degeneration in the rat. <i>European Spine Journal</i> , 2021, 30, 2613-2621.	2.2	1
7	The effect of vertebral level on biomechanical properties of the lumbar paraspinal muscles in a rat model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 118, 104446.	3.1	3
8	Experimentally induced spine osteoarthritis in rats leads to neurogenic inflammation within neurosegmentally linked myotomes. <i>Experimental Gerontology</i> , 2021, 149, 111311.	2.8	5
9	Paraspinal muscle pathophysiology associated with low back pain and spine degenerative disorders. <i>JOR Spine</i> , 2021, 4, e1171.	3.2	44
10	Larger muscle fibers and fiber bundles manifest smaller elastic modulus in paraspinal muscles of rats and humans. <i>Scientific Reports</i> , 2021, 11, 18565.	3.3	5
11	Modifiability of residual force depression in single muscle fibers following uphill and downhill training in rats. <i>Physiological Reports</i> , 2021, 9, e14725.	1.7	9
12	Paraspinal Muscle Contractile Function is Impaired in the ENT1-deficient Mouse Model of Progressive Spine Pathology. <i>Spine</i> , 2021, 46, E710-E718.	2.0	6
13	Cutaneous Sensitivity Across Regions of the Foot Sole and Dorsum are Influenced by Foot Posture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 744307.	4.1	4
14	Increased Substance P Immunoreactivity in Ipsilateral Knee Cartilage of Rats Exposed to Lumbar Spine Injury. <i>Cartilage</i> , 2020, 11, 251-261.	2.7	4
15	Experimental validation of a novel spine model demonstrates the large contribution of passive muscle to the flexion relaxation phenomenon. <i>Journal of Biomechanics</i> , 2020, 102, 109431.	2.1	13
16	Brace yourself: How abdominal bracing affects intersegmental lumbar spine kinematics in response to sudden loading. <i>Journal of Electromyography and Kinesiology</i> , 2020, 54, 102451.	1.7	6
17	The Influence of Countermovements on Inter-Segmental Coordination and Mechanical Energy Transfer during Vertical Jumping. <i>Journal of Motor Behavior</i> , 2020, 53, 1-13.	0.9	2
18	Training Induced Changes to Skeletal Muscle Passive Properties Are Evident in Both Single Fibers and Fiber Bundles in the Rat Hindlimb. <i>Frontiers in Physiology</i> , 2020, 11, 907.	2.8	10

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19	Influence of creep deformation on sub-regional lumbar spine motion during manual lifting. <i>Ergonomics</i> , 2020, 63, 1304-1311.	2.1	5
20	Age-related changes in human single muscle fibre passive elastic properties are sarcomere length dependent. <i>Experimental Gerontology</i> , 2020, 137, 110968.	2.8	18
21	Fiber Type and Size as Sources of Variation in Human Single Muscle Fiber Passive Elasticity. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	1.3	9
22	Distinguishing between typical and atypical motion patterns amongst healthy individuals during a constrained spine flexion task. <i>Journal of Biomechanics</i> , 2019, 86, 89-95.	2.1	6
23	Effects of foot position on skin structural deformation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 95, 240-248.	3.1	7
24	Experimentally induced neck pain causes a decrease in thoracic but not lumbar spine stability. <i>Journal of Biomechanics</i> , 2019, 90, 78-83.	2.1	5
25	Characterization of the passive mechanical properties of spine muscles across species. <i>Journal of Biomechanics</i> , 2019, 88, 173-179.	2.1	15
26	Discriminating spatiotemporal movement strategies during spine flexion-extension in healthy individuals. <i>Spine Journal</i> , 2019, 19, 1264-1275.	1.3	16
27	Characterizing Local Dynamic Stability of Lumbar Spine Sub-regions During Repetitive Trunk Flexion-Extension Movements. <i>Frontiers in Sports and Active Living</i> , 2019, 1, 48.	1.8	6
28	Time course of the acute effects of core stabilisation exercise on seated postural control. <i>Sports Biomechanics</i> , 2018, 17, 1-8.	1.6	2
29	Tactile Feedback can be Used to Redistribute Flexion Motion Across Spine Motion Segments. <i>Annals of Biomedical Engineering</i> , 2018, 46, 789-800.	2.5	7
30	Development of a Novel Technique to Record 3D Intersegmental Angular Kinematics During Dynamic Spine Movements. <i>Annals of Biomedical Engineering</i> , 2018, 46, 298-309.	2.5	13
31	Kinesio taping influences the mechanical behaviour of the skin of the low back: A possible pathway for functionally relevant effects. <i>Journal of Biomechanics</i> , 2018, 67, 150-156.	2.1	19
32	Investigation of the passive mechanical properties of spine muscles following disruption of the thoracolumbar fascia and erector spinae aponeurosis, as well as facet injury in a rat. <i>Spine Journal</i> , 2018, 18, 682-690.	1.3	8
33	Pressure-induced end-plate fracture in the porcine spine: Is the annulus fibrosus susceptible to damage?. <i>European Spine Journal</i> , 2018, 27, 1767-1774.	2.2	12
34	The effect of short duration low back vibration on pain developed during prolonged standing. <i>Applied Ergonomics</i> , 2018, 67, 246-251.	3.1	12
35	The effects of trunk extensor and abdominal muscle fatigue on postural control and trunk proprioception in young, healthy individuals. <i>Human Movement Science</i> , 2018, 57, 13-20.	1.4	24
36	Differential effects of muscle fatigue on dynamic spine stability: Implications for injury risk. <i>Journal of Electromyography and Kinesiology</i> , 2018, 43, 209-216.	1.7	11

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37	Variations of handheld loads increase the range of motion of the lumbar spine without compromising local dynamic stability during walking. <i>Gait and Posture</i> , 2018, 66, 101-106.	1.4	0
38	Tactile cues can change movement: An example using tape to redistribute flexion from the lumbar spine to the hips and knees during lifting. <i>Human Movement Science</i> , 2018, 60, 32-39.	1.4	17
39	A Comparison of the Sensitivity of Brush Allodynia and Semmes-Weinstein Monofilament Testing in the Detection of Allodynia Within Regions of Secondary Hyperalgesia in Humans. <i>Pain Practice</i> , 2017, 17, 16-24.	1.9	4
40	Athletic background is related to superior trunk proprioceptive ability, postural control, and neuromuscular responses to sudden perturbations. <i>Human Movement Science</i> , 2017, 52, 74-83.	1.4	15
41	Lifestyle interventions for the treatment of women with gestational diabetes. <i>The Cochrane Library</i> , 2017, 2017, CD011970.	2.8	132
42	Migratory connectivity of Semipalmated Sandpipers and implications for conservation. <i>Condor</i> , 2017, 119, 207-224.	1.6	50
43	Spine postural change elicits localized skin structural deformation of the trunk dorsum in vivo. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 67, 31-39.	3.1	17
44	Ageing reduces light touch and vibrotactile sensitivity on the anterior lower leg and foot dorsum. <i>Experimental Gerontology</i> , 2017, 99, 1-6.	2.8	13
45	Muscular workload of veterinary students during simulated open and laparoscopic surgery: A pilot study*. <i>Veterinary Surgery</i> , 2017, 46, 868-878.	1.0	7
46	Paraspinal Muscle Passive Stiffness Remodels in Direct Response to Spine Stiffness. <i>Spine</i> , 2017, 42, 1440-1446.	2.0	19
47	A Systematic Analysis of Errors in Target Localization and Treatment Delivery for Stereotactic Radiosurgery Using 2D/3D Image Registration. <i>Technology in Cancer Research and Treatment</i> , 2017, 16, 321-331.	1.9	5
48	Spine Posture Influences Tactile Perceptual Sensitivity of the Trunk Dorsum. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2804-2812.	2.5	9
49	HDAC4 is expressed on multiple T cell lineages but dispensable for their development and function. <i>Oncotarget</i> , 2017, 8, 17562-17572.	1.8	12
50	Low back skin sensitivity has minimal impact on active lumbar spine proprioception and stability in healthy adults. <i>Experimental Brain Research</i> , 2016, 234, 2215-2226.	1.5	16
51	Fales Hot Springs: A case study in renewable augmented net zero energy. <i>Electricity Journal</i> , 2016, 29, 59-70.	2.5	0
52	On the use of a Euclidean norm function for the estimation of local dynamic stability from 3D kinematics using time-delayed Lyapunov analyses. <i>Medical Engineering and Physics</i> , 2016, 38, 1139-1145.	1.7	14
53	Mercury exposure and risk in breeding and staging Alaskan shorebirds. <i>Condor</i> , 2016, 118, 571-582.	1.6	23
54	Decreasing the required lumbar extensor moment induces earlier onset of flexion relaxation. <i>Journal of Electromyography and Kinesiology</i> , 2016, 30, 38-45.	1.7	9

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55	The magnitude of muscular activation of four canine forelimb muscles in dogs performing two agility-specific tasks. <i>BMC Veterinary Research</i> , 2016, 13, 68.	1.9	19
56	Estimating Gait Stability: Asymmetrical Loading Effects Measured Using Margin of Stability and Local Dynamic Stability. <i>Journal of Motor Behavior</i> , 2016, 48, 455-467.	0.9	11
57	Neuromuscular ultrasound imaging in low back pain patients with radiculopathy. <i>Manual Therapy</i> , 2016, 21, 83-88.	1.6	10
58	Muscle activation timing and balance response in chronic lower back pain patients with associated radiculopathy. <i>Clinical Biomechanics</i> , 2016, 32, 124-130.	1.2	12
59	Targeting Accuracy of Image-Guided Radiosurgery for Intracranial Lesions. <i>Technology in Cancer Research and Treatment</i> , 2016, 15, 243-248.	1.9	19
60	Effect of short-term application of kinesio tape on the flexion-relaxation phenomenon, trunk postural control and trunk repositioning in healthy females. <i>Journal of Sports Sciences</i> , 2016, 34, 862-870.	2.0	10
61	Factors to consider in identifying critical points in lumbar spine flexion relaxation. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 914-918.	1.7	6
62	Radiobiologically optimized couch shift: A new localization paradigm using cone-beam CT for prostate radiotherapy. <i>Medical Physics</i> , 2015, 42, 6028-6032.	3.0	2
63	A validated approach for collecting fine-wire electromyographic recordings in four canine shoulder muscles during highly dynamic tasks. <i>Comparative Exercise Physiology</i> , 2015, 11, 65-74.	0.6	1
64	Live births in women with recurrent hydatidiform mole and two NLRP7 mutations. <i>Reproductive BioMedicine Online</i> , 2015, 31, 120-124.	2.4	36
65	Local Dynamic Joint Stability During Human Treadmill Walking in Response to Lower Limb Segmental Loading Perturbations. <i>Journal of Biomechanical Engineering</i> , 2015, 137, .	1.3	5
66	The Effects of Experimentally Induced Low Back Pain on Spine Rotational Stiffness and Local Dynamic Stability. <i>Annals of Biomedical Engineering</i> , 2015, 43, 2120-2130.	2.5	35
67	The effect of elbow flexor fatigue on spine kinematics and muscle activation in response to sudden loading at the hands. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 392-399.	1.7	7
68	The effect of different ranges of motion on local dynamic stability of the elbow during unloaded repetitive flexion-extension movements. <i>Human Movement Science</i> , 2015, 42, 193-202.	1.4	1
69	Deficits in foot skin sensation are related to alterations in balance control in chronic low back patients experiencing clinical signs of lumbar nerve root impingement. <i>Gait and Posture</i> , 2015, 41, 923-928.	1.4	13
70	The Effect of Contralateral Submaximal Contraction on the Development of Biceps Brachii Muscle Fatigue. <i>Human Factors</i> , 2015, 57, 461-470.	3.5	2
71	Effect of methotrexate on JAK/STAT pathway activation in myeloproliferative neoplasms. <i>Lancet</i> , The, 2015, 385, S98.	13.7	26
72	MRI-based relationships between spine pathology, intervertebral disc degeneration, and muscle fatty infiltration in chondrodystrophic and non-chondrodystrophic dogs. <i>Spine Journal</i> , 2015, 15, 2433-2439.	1.3	18

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73	Effects of changes in muscle activation level and spine and hip posture on erector spinae fiber orientation. <i>Muscle and Nerve</i> , 2015, 51, 426-433.	2.2	10
74	Methotrexate Is a JAK/STAT Pathway Inhibitor. <i>PLoS ONE</i> , 2015, 10, e0130078.	2.5	123
75	Local Dynamic Stability of Spine Muscle Activation and Stiffness Patterns During Repetitive Lifting. <i>Journal of Biomechanical Engineering</i> , 2014, 136, 121006.	1.3	11
76	Loss of <i>ALDH18A1</i> function is associated with a cellular lipid droplet phenotype suggesting a link between autosomal recessive cutis laxa type 3A and Warburg Micro syndrome. <i>Molecular Genetics & Genomic Medicine</i> , 2014, 2, 319-325.	1.2	19
77	Genome-wide RNAi screen identifies the Parkinson disease GWAS risk locus <i>SREBF1</i> as a regulator of mitophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8494-8499.	7.1	109
78	Order of Orifices. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2014, 67, 424-429.	2.1	18
79	Physiological characterization of the high malic acid-producing <i>Aspergillus oryzae</i> strain 2103a-68. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3517-3527.	3.6	53
80	Electromyographic assessment of isometric and dynamic activation characteristics of the latissimus dorsi muscle. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 430-436.	1.7	11
81	Do institutional logics predict interpretation of contract rules at the dental chair-side?. <i>Social Science and Medicine</i> , 2014, 122, 81-89.	3.8	12
82	A community study in Cornwall UK of sudden unexpected death in epilepsy (SUDEP) in a 9-year population sample. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014, 23, 382-385.	2.0	46
83	Sarcomere length organization as a design for cooperative function amongst all lumbar spine muscles. <i>Journal of Biomechanics</i> , 2014, 47, 3087-3093.	2.1	13
84	The effect of unstable loading versus unstable support conditions on spine rotational stiffness and spine stability during repetitive lifting. <i>Journal of Biomechanics</i> , 2014, 47, 491-496.	2.1	21
85	Acute Experimentally Induced Neck Pain Does Not Affect Fatigability of the Peripheral Biceps Brachii Muscle. <i>Motor Control</i> , 2014, 18, 395-404.	0.6	4
86	NGX-4010, a capsaicin 8% patch, for the treatment of painful HIV-associated distal sensory polyneuropathy: integrated analysis of two phase III, randomized, controlled trials. <i>AIDS Research and Therapy</i> , 2013, 10, 5.	1.7	46
87	Viscoelastic creep induced by repetitive spine flexion and its relationship to dynamic spine stability. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 794-800.	1.7	18
88	Loss-of-Function Mutations in <i>TBC1D20</i> Cause Cataracts and Male Infertility in blind sterile Mice and Warburg Micro Syndrome in Humans. <i>American Journal of Human Genetics</i> , 2013, 93, 1001-1014.	6.2	119
89	Recurrent Pregnancy Loss in a Woman With <i>NLRP7</i> Mutation. <i>International Journal of Gynecological Pathology</i> , 2013, 32, 399-405.	1.4	15
90	Architectural analysis and predicted functional capability of the human latissimus dorsi muscle. <i>Journal of Anatomy</i> , 2013, 223, 112-122.	1.5	22

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91	Importance of sarcomere length when determining muscle physiological cross-sectional area: A spine example. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2012, 226, 384-388.	1.8	6
92	A Randomized, Double-Blind, Controlled Study of NGX-4010, a Capsaicin 8% Dermal Patch, for the Treatment of Painful HIV-Associated Distal Sensory Polyneuropathy. Journal of Acquired Immune Deficiency Syndromes (1999), 2012, 59, 126-133.	2.1	82
93	A direct comparison of spine rotational stiffness and dynamic spine stability during repetitive lifting tasks. Journal of Biomechanics, 2012, 45, 1593-1600.	2.1	41
94	Exploring the effect of repeated-day familiarization on the ability to generate reliable maximum voluntary muscle activation. Journal of Electromyography and Kinesiology, 2012, 22, 886-892.	1.7	13
95	Passive mechanical properties of rat abdominal wall muscles suggest an important role of the extracellular connective tissue matrix. Journal of Orthopaedic Research, 2012, 30, 1321-1326.	2.3	36
96	Mechanically relevant consequences of the composite laminate-like design of the abdominal wall muscles and connective tissues. Medical Engineering and Physics, 2012, 34, 521-523.	1.7	12
97	ISSLS Prize Winner. Spine, 2011, 36, 1728-1736.	2.0	54
98	Mutations in the pre-replication complex cause Meier-Gorlin syndrome. Nature Genetics, 2011, 43, 356-359.	21.4	219
99	Architectural Analysis of Human Abdominal Wall Muscles. Spine, 2010, 36, 1.	2.0	47
100	Long-Term Safety of NGX-4010, a High-Concentration Capsaicin Patch, in Patients with Peripheral Neuropathic Pain. Journal of Pain and Symptom Management, 2010, 39, 1053-1064.	1.2	95
101	High-pass filtering surface EMG in an attempt to better represent the signals detected at the intramuscular level. Muscle and Nerve, 2010, 41, 234-239.	2.2	25
102	Architectural and morphological assessment of rat abdominal wall muscles: comparison for use as a human model. Journal of Anatomy, 2010, 217, 196-202.	1.5	25
103	The relationship between trunk muscle activation and trunk stiffness: examining a non-constant stiffness gain. Computer Methods in Biomechanics and Biomedical Engineering, 2010, 13, 829-835.	1.6	20
104	Mechanical Strength of the Side-to-Side Versus Pulvertaft Weave Tendon Repair. Journal of Hand Surgery, 2010, 35, 540-545.	1.6	102
105	A comparison of ultrasound and electromyography measures of force and activation to examine the mechanics of abdominal wall contraction. Clinical Biomechanics, 2010, 25, 115-123.	1.2	79
106	Chronic Nicotine Blunts Hypoxic Sensitivity in Perinatal Rat Adrenal Chromaffin Cells via Upregulation of KATP Channels: Role of $\alpha 7$ Nicotinic Acetylcholine Receptor and Hypoxia-Inducible Factor-2A. Journal of Neuroscience, 2009, 29, 7137-7147.	3.6	33
107	Strength limitations to proper child safety seat installation: Implications for child safety. Applied Ergonomics, 2009, 40, 617-621.	3.1	10
108	Borderline personality disorder and sensory processing impairment. Progress in Neurology and Psychiatry, 2009, 13, 10-16.	0.9	13

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109	The intrinsic stiffness of the in vivo lumbar spine in response to quick releases: Implications for reflexive requirements. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 727-736.	1.7	52
110	The Active Straight Leg Raise Test and Lumbar Spine Stability. <i>PM and R</i> , 2009, 1, 530-535.	1.6	73
111	Comparison of Different Rowing Exercises: Trunk Muscle Activation and Lumbar Spine Motion, Load, and Stiffness. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 350-358.	2.1	19
112	Transmission of Muscularly Generated Force and Stiffness Between Layers of the Rat Abdominal Wall. <i>Spine</i> , 2009, 34, E70-E75.	2.0	35
113	Isokinetic Leg Strength Profile of Elite Male Basketball Players. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 1332-1337.	2.1	31
114	Torso and Hip Muscle Activity and Resulting Spine Load and Stability while Using the ProFitter 3-D Cross Trainer. <i>Journal of Applied Biomechanics</i> , 2009, 25, 73-84.	0.8	2
115	A Practical Approach to Genetic Inducible Fate Mapping: A Visual Guide to Mark and Track Cells & In Vivo. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	17
116	Co-activation alters the linear versus non-linear impression of the EMG-torque relationship of trunk muscles. <i>Journal of Biomechanics</i> , 2008, 41, 491-497.	2.1	40
117	An ultrasound investigation into the morphology of the human abdominal wall uncovers complex deformation patterns during contraction. <i>European Journal of Applied Physiology</i> , 2008, 104, 1021-1030.	2.5	14
118	Vertebral end-plate fractures as a result of high rate pressure loading in the nucleus of the young adult porcine spine. <i>Journal of Biomechanics</i> , 2008, 41, 122-127.	2.1	33
119	The red flour beetle's large nose: An expanded odorant receptor gene family in <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 387-397.	2.7	225
120	Trunk muscle responses to suddenly applied loads: Do individuals who develop discomfort during prolonged standing respond differently?. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 495-502.	1.7	40
121	How the inherent stiffness of the in vivo human trunk varies with changing magnitudes of muscular activation. <i>Clinical Biomechanics</i> , 2008, 23, 15-22.	1.2	39
122	Chronic nicotine in utero selectively suppresses hypoxic sensitivity in neonatal rat adrenal chromaffin cells. <i>FASEB Journal</i> , 2008, 22, 1317-1326.	0.5	32
123	Long-term safety and effects of tesamorelin, a growth hormone-releasing factor analogue, in HIV patients with abdominal fat accumulation. <i>Aids</i> , 2008, 22, 1719-1728.	2.2	54
124	The effect of reducing the number of EMG channel inputs on loading and stiffness estimates from an EMG-driven model of the spine. <i>Ergonomics</i> , 2007, 50, 743-751.	2.1	7
125	Effects of abdominal stabilization maneuvers on the control of spine motion and stability against sudden trunk perturbations. <i>Journal of Electromyography and Kinesiology</i> , 2007, 17, 556-567.	1.7	161
126	Exploring the geometric and mechanical characteristics of the spine musculature to provide rotational stiffness to two spine joints in the neutral posture. <i>Human Movement Science</i> , 2007, 26, 113-123.	1.4	29

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127	Effects of different levels of torso coactivation on trunk muscular and kinematic responses to posteriorly applied sudden loads. <i>Clinical Biomechanics</i> , 2006, 21, 443-455.	1.2	123
128	Effects of Abdominal Muscle Coactivation on the Externally Preloaded Trunk: Variations in Motor Control and Its Effect on Spine Stability. <i>Spine</i> , 2006, 31, E387-E393.	2.0	87
129	Constraining spine stability levels in an optimization model leads to the prediction of trunk muscle cocontraction and improved spine compression force estimates. <i>Journal of Biomechanics</i> , 2005, 38, 745-754.	2.1	70
130	An equation to calculate individual muscle contributions to joint stability. <i>Journal of Biomechanics</i> , 2005, 38, 973-980.	2.1	67
131	Muscle force's stiffness characteristics influence joint stability: A spine example. <i>Clinical Biomechanics</i> , 2005, 20, 917-922.	1.2	51
132	Less is more: high pass filtering, to remove up to 99% of the surface EMG signal power, improves EMG-based biceps brachii muscle force estimates. <i>Journal of Electromyography and Kinesiology</i> , 2004, 14, 389-399.	1.7	182
133	The responses of leg and trunk muscles to sudden unloading of the hands: implications for balance and spine stability. <i>Clinical Biomechanics</i> , 2003, 18, 812-820.	1.2	35