Anatomy and biomechanics of psoas major

Clinical Biomechanics 7, 109-119

DOI: 10.1016/0268-0033(92)90024-x

Citation Report

#	Article	IF	CITATIONS
1	The geometry of the psoas muscle as determined by magnetic resonance imaging. Archives of Physical Medicine and Rehabilitation, 1994, 75, 703-708.	0.5	34
2	Spinal Stabilisation. Physiotherapy, 1995, 81, 64-72.	0.2	18
3	The psoas major muscle: A three-dimensional geometric study. Journal of Biomechanics, 1995, 28, 339-345.	0.9	115
4	Lumbar spine maximum efforts and muscle recruitment patterns predicted by a model with multijoint muscles and joints with stiffness. Journal of Biomechanics, 1995, 28, 173-186.	0.9	141
5	Hydrotherapy management of low back pain: a quality improvement project. Australian Journal of Physiotherapy, 1995, 41, 205-208.	0.9	6
6	Influence of varying muscle forces on lumbar intradiscal pressure: An in vitro study. Journal of Biomechanics, 1996, 29, 549-555.	0.9	69
7	VARIATION OF THE GROOVE IN THE AXIS VERTEBRA FOR THE VERTEBRAL ARTERY. Journal of Bone and Joint Surgery: British Volume, 1997, 79-B, 820-823.	3.4	51
8	Are recruitment patterns of the trunk musculature compatible with a synergy based on the maximization of endurance?. Journal of Biomechanics, 1997, 30, 1095-1100.	0.9	72
9	Laminectomy and functional impairment of the lumbar spine: the importance of muscle forces in flexible and rigid instrumented stabilization $\hat{a}\in$ a biomechanical study in vitro. European Spine Journal, 1998, 7, 229-238.	1.0	39
10	Synergy of the human spine in neutral postures. European Spine Journal, 1998, 7, 471-479.	1.0	86
11	Prediction of Biomechanical Parameters in the Lumbar Spine During Static Sagittal Plane Lifting. Journal of Biomechanical Engineering, 1998, 120, 273-280.	0.6	25
12	Effects of deep and shallow water running on spinal shrinkage. British Journal of Sports Medicine, 1998, 32, 44-48.	3.1	58
13	Importance of the Intersegmental Trunk Muscles for the Stability of the Lumbar Spine. Spine, 1998, 23, 1937-1945.	1.0	104
14	The Effects of Abdominal Muscle Coactivation on Lumbar Spine Stability. Spine, 1998, 23, 86-91.	1.0	279
15	Anatomical differences in the psoas muscles in young black and white men. Journal of Anatomy, 1999, 194, 303-307.	0.9	30
16	Quantitative anatomy of the lumbar musculature. Journal of Biomechanics, 1999, 32, 311-316.	0.9	142
17	Total trunk muscle force and spinal compression are lower in asymmetric moments as compared to pure extension moments. Journal of Biomechanics, 1999, 32, 681-687.	0.9	36
18	Estimation of trunk muscle forces using the finite element method and in vivo loads measured by telemeterized internal spinal fixation devices. Journal of Biomechanics, 1999, 32, 727-731.	0.9	42

#	Article	IF	Citations
19	Difficulties in Estimating Muscle Forces From Muscle Cross-Sectional Area. Spine, 1999, 24, 1487.	1.0	16
20	Psoas muscle and lumbar spine stability: a concept uniting existing controversies. European Spine Journal, 2000, 9, 577-585.	1.0	92
21	Optimal sagittal motion axis for trunk extension and flexion tests in chronic low back trouble. Clinical Biomechanics, 2000, 15, 665-671.	0.5	13
22	Female and male trunk geometry: size and prediction of the spine loading trunk muscles derived from MRI. Clinical Biomechanics, 2001, 16, 38-46.	0.5	235
23	Geometric Parameters of the In Vivo Tissues at the Lumbosacral Joint of Young Asian Adults. Spine, 2001, 26, 2362-2367.	1.0	11
24	Relationship Between Mechanical Factors and Incidence of Low Back Pain. Journal of Orthopaedic and Sports Physical Therapy, 2002, 32, 447-460.	1.7	232
25	Lower Torso Muscle Activation Patterns for High-Magnitude Static Exertions. Spine, 2002, 27, 1326-1335.	1.0	18
26	Spine Loading as a Function of Gender. Spine, 2002, 27, 2514-2520.	1.0	60
27	Distributed Body Weight Over the Whole Spine for Improved Inference in Spine Modelling. Computer Methods in Biomechanics and Biomedical Engineering, 2002, 5, 81-89.	0.9	4
28	Spine stabilization by psoas muscle during walking and running. European Spine Journal, 2002, 11, 89-90.	1.0	12
29	Core stability exercise in chronic low back pain. Orthopedic Clinics of North America, 2003, 34, 245-254.	0.5	237
30	Trunk Muscle Strength in Flexion, Extension, and Axial Rotation in Patients Managed With Lumbar Disc Herniation Surgery and in Healthy Control Subjects. Spine, 2003, 28, 1068-1073.	1.0	27
31	Title is missing!. Spine, 2003, 28, 1068-1073.	1.0	1
32	Anatomical relationships between selected segmental muscles of the lumbar spine in the context of multi-planar segmental motion: a preliminary investigation. Manual Therapy, 2004, 9, 203-210.	1.6	32
33	Physical and functional measures related to low back pain in individuals with lower-limb amputation: An exploratory pilot study. Journal of Rehabilitation Research and Development, 2005, 42, 155.	1.6	52
34	Hamstring Muscles: Architecture and Innervation. Cells Tissues Organs, 2005, 179, 125-141.	1.3	225
35	Relief of Internal Snapping Hip Syndrome in a Marathon Runner After Chiropractic Treatment. Journal of Manipulative and Physiological Therapeutics, 2005, 28, e1-e7.	0.4	15
36	Scaling and non-scaling of muscle activity, kinematics, and dynamics in sit-ups with different degrees of difficulty. Journal of Electromyography and Kinesiology, 2006, 16, 506-521.	0.7	13

#	ARTICLE	IF	Citations
37	Influence of the Psoas Major and Thigh Muscularity on 100-m Times in Junior Sprinters. Medicine and Science in Sports and Exercise, 2006, 38, 2138-2143.	0.2	61
38	Anatomy and Biomechanics of the Back Muscles in the Lumbar Spine With Reference to Biomechanical Modeling. Spine, 2006, 31, 1888-1899.	1.0	166
39	The relationship between pelvic cross syndrome and chronic low back pain. Journal of Back and Musculoskeletal Rehabilitation, 2006, 19, 119-128.	0.4	24
40	Sensitivity of kinematics-based model predictions to optimization criteria in static lifting tasks. Medical Engineering and Physics, 2006, 28, 504-514.	0.8	79
41	In vivo study of the kinematics in axial rotation of the lumbar spine after total intervertebral disc replacement: long-term results: a 10–14Âyears follow up evaluation. European Spine Journal, 2006, 15, 1501-1510.	1.0	55
43	A generic detailed rigid-body lumbar spine model. Journal of Biomechanics, 2007, 40, 1219-1227.	0.9	240
44	The role of quadratus lumborum asymmetry in the occurrence of lesions in the lumbar vertebrae of cricket fast bowlers. Medical Engineering and Physics, 2007, 29, 877-885.	0.8	25
45	Ultrasoundâ€guided injection of the iliopsoas muscle with botulinum toxin in camptocormia. Movement Disorders, 2008, 23, 889-892.	2.2	70
46	Anatomy and biomechanics of quadratus lumborum. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2008, 222, 151-159.	1.0	64
47	Review of secondary physical conditions associated with lower-limb amputation and long-term prosthesis use. Journal of Rehabilitation Research and Development, 2008, 45, 15-30.	1.6	547
48	Ultrasonographic Measurement of Tendon Displacement Caused by Active Force Generation in the Psoas Major Muscle. Journal of Physiological Sciences, 2008, 58, 323-332.	0.9	9
49	Fibre type composition of the human psoas major muscle with regard to the level of its origin. Journal of Anatomy, 2009, 215, 636-641.	0.9	62
50	Profiles of Trunk and Thigh Muscularity in Youth and Professional Soccer Players. Journal of Strength and Conditioning Research, 2010, 24, 1472-1479.	1.0	27
51	Elderly oarsmen have larger trunk and thigh muscles and greater strength than age-matched untrained men. European Journal of Applied Physiology, 2010, 108, 1239-1245.	1.2	23
52	The vastus lateralis muscle: An anatomical investigation. Clinical Anatomy, 2010, 23, 575-585.	1.5	49
53	A three-dimensional mathematical model of the thoracolumbar fascia and an estimate of its biomechanical effect. Journal of Biomechanics, 2010, 43, 2792-2797.	0.9	38
54	Monte Carlo Simulation of Spine Geometry From T12 to Sacrum in Males. , 2010, , .		0
55	Consistency in size and asymmetry of the psoas major muscle among elite footballers. British Journal of Sports Medicine, 2010, 44, 1173-1177.	3.1	30

#	Article	IF	CITATIONS
56	Salient aspects of normal function of the torso. , 2010, , 73-151.		0
57	Common features of posturomovement dysfunction. , 2010, , 167-215.		0
58	Clinical posturomovement impairment syndromes., 2010,, 239-263.		0
59	Functional Anatomy and Pathophysiology of Axial Low Back Pain: Disc, Posterior Elements, Sacroiliac Joint, and Associated Pain Generators. Physical Medicine and Rehabilitation Clinics of North America, 2010, 21, 679-709.	0.7	37
60	Psoas and quadratus lumborum muscle asymmetry among elite Australian Football League players. British Journal of Sports Medicine, 2010, 44, 563-567.	3.1	48
61	The lumbar spine. , 2011, , 211-297.		O
62	Computational model of the lumbar spine musculature: Implications of spinal surgery. Clinical Biomechanics, 2011, 26, 116-122.	0.5	9
63	Psoas Muscle Architectural Design, In Vivo Sarcomere Length Range, and Passive Tensile Properties Support Its Role as a Lumbar Spine Stabilizer. Spine, 2011, 36, E1666-E1674.	1.0	48
64	The effects of rehabilitation on the muscles of the trunk following prolonged bed rest. European Spine Journal, 2011, 20, 808-818.	1.0	61
65	Is the psoas a hip flexor in the active straight leg raise?. European Spine Journal, 2011, 20, 759-765.	1.0	37
66	Spinal muscles can create compressive follower loads in the lumbar spine in a neutral standing posture. Medical Engineering and Physics, 2011, 33, 472-478.	0.8	45
67	Contribution of Trunk Muscularity on Sprint Run. International Journal of Sports Medicine, 2011, 32, 223-228.	0.8	29
68	Effect of Motor Control Training on Muscle Size and Football Games Missed from Injury. Medicine and Science in Sports and Exercise, 2012, 44, 1141-1149.	0.2	68
69	Articularis Genus: An Anatomic and MRI Study in Cadavers. Journal of Bone and Joint Surgery - Series A, 2012, 94, 59-67.	1.4	15
70	Cross-sectional area of psoas major muscle and hip flexion strength in youth soccer players. European Journal of Applied Physiology, 2012, 112, 3487-3494.	1.2	14
71	Biomechanical properties of isolated fascicles of the Iliopsoas and Achilles tendons in African American and Caucasian men. Annals of Anatomy, 2012, 194, 457-460.	1.0	15
72	Development of a Detailed Human Spine Model with Haptic Interface. , 2012, , .		0
73	Psoas Compartment Blockade in a Laterally Herniated Disc Compressing the Psoas Muscle -A Case Report Korean Journal of Pain, 2012, 25, 116-120.	0.8	2

#	Article	IF	Citations
74	Hip dysplasia and the performing arts: is there a correlation?. Current Reviews in Musculoskeletal Medicine, 2012, 5, 39-45.	1.3	18
75	Technical note: Spine loading in automotive seating. Applied Ergonomics, 2012, 43, 290-295.	1.7	78
76	Differential activity of regions of the psoas major and quadratus lumborum during submaximal isometric trunk efforts. Journal of Orthopaedic Research, 2012, 30, 311-318.	1.2	36
77	A Musculoskeletal model for the lumbar spine. Biomechanics and Modeling in Mechanobiology, 2012, 11, 19-34.	1.4	230
78	MRI features of the psoas major muscle in patients with low back pain. European Spine Journal, 2013, 22, 1965-1971.	1.0	59
79	The relationship between control of the spine and low back pain. , 2013, , 99-111.		0
80	Changes in direction-specific activity of psoas major and quadratus lumborum in people with recurring back pain differ between muscle regions and patient groups. Journal of Electromyography and Kinesiology, 2013, 23, 734-740.	0.7	13
81	Intramuscular architecture of the autochthonous back muscles in humans. Journal of Anatomy, 2013, 222, 214-222.	0.9	25
82	The interrelationship of the thorax and pelvis under varying task constraints. Ergonomics, 2013, 56, 659-666.	1.1	5
83	Recruitment of Discrete Regions of the Psoas Major and Quadratus Lumborum Muscles Is Changed in Specific Sitting Postures in Individuals With Recurrent Low Back Pain. Journal of Orthopaedic and Sports Physical Therapy, 2013, 43, 833-840.	1.7	15
84	Size and Symmetry of Trunk Muscles in Ballet Dancers With and Without Low Back Pain. Journal of Orthopaedic and Sports Physical Therapy, 2013, 43, 525-533.	1.7	51
85	Changes in Regional Activity of the Psoas Major and Quadratus Lumborum With Voluntary Trunk and Hip Tasks and Different Spinal Curvatures in Sitting. Journal of Orthopaedic and Sports Physical Therapy, 2013, 43, 74-82.	1.7	34
86	Abdominal and Hip Flexor Muscle Activity During 2 Minutes of Sit-Ups and Curl-Ups. Journal of Strength and Conditioning Research, 2013, 27, 2119-2128.	1.0	15
87	Myofascial Injections. , 2014, , 876-884.e2.		0
88	Image changes of paraspinal muscles and clinical correlations in patients with unilateral lumbar spinal stenosis. European Spine Journal, 2014, 23, 999-1006.	1.0	66
89	Anticipatory postural activity of the deep trunk muscles differs between anatomical regions based on their mechanical advantage. Neuroscience, 2014, 261, 161-172.	1.1	27
90	Lumbar lordosis. Spine Journal, 2014, 14, 87-97.	0.6	181
91	Feasibility of compressive follower load on spine in a simplified dynamic state: A simulation study. Bio-Medical Materials and Engineering, 2014, 24, 2319-2329.	0.4	2

#	Article	IF	CITATIONS
92	Characteristics of Stabilizer Muscles: A Systematic Review. Physiotherapy Canada Physiotherapie Canada, 2014, 66, 348-358.	0.3	20
93	Musculoskeletal Modeling of the Lumbar Spine to Explore Functional Interactions between Back Muscle Loads and Intervertebral Disk Multiphysics. Frontiers in Bioengineering and Biotechnology, 2015, 3, 111.	2.0	14
94	Does lesser trochanter implication affect hip flexion strength in proximal femur fracture?. European Journal of Trauma and Emergency Surgery, 2015, 41, 523-529.	0.8	16
95	Development and validation of a discretised multi-body spine model in LifeMOD for biodynamic behaviour simulation. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 175-184.	0.9	27
96	Functional anatomy of the spine. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 136, 675-688.	1.0	60
97	Paraspinal muscles density: a marker for degenerative lumbar spinal stenosis?. BMC Musculoskeletal Disorders, 2016, 17, 422.	0.8	31
98	Relationship between lateral differences in the cross-sectional area of the psoas muscle and curve running time. Journal of Physiological Anthropology, 2016, 35, 3.	1.0	6
99	Influence of lumbar spine rhythms and intra-abdominal pressure on spinal loads and trunk muscle forces during upper body inclination. Medical Engineering and Physics, 2016, 38, 333-338.	0.8	42
100	Large strengthening effect of a hip-flexor training programme: a randomized controlled trial. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 2346-2352.	2.3	21
101	Twente spine model: A complete and coherent dataset for musculo-skeletal modeling of the lumbar region of the human spine. Journal of Biomechanics, 2017, 53, 111-119.	0.9	12
102	Twente spine model: A complete and coherent dataset for musculo-skeletal modeling of the thoracic and cervical regions of the human spine. Journal of Biomechanics, 2017, 58, 52-63.	0.9	19
103	The Psoas Major Muscle at the Lumbar Spine. Contemporary Diagnostic Radiology, 2017, 40, 1-7.	0.1	2
105	Influence of spinopelvic alignment and morphology on deviation in the course of the psoas major muscle. Journal of Orthopaedic Science, 2017, 22, 1001-1008.	0.5	12
106	<i>In vivo</i> assessment of thickness of the psoas major muscle in adult male subjects: evaluating occupation-based activity-related differences. Archives of Medical Science - Civilization Diseases, 2017, 2, 41-47.	0.1	0
107	Anatomic Predictors of Sagittal Hip and Pelvic Motions in Patients With a Cam Deformity. American Journal of Sports Medicine, 2018, 46, 1331-1342.	1.9	41
108	No difference in flexion power despite iliopsoas fatty degeneration in healed hip fractures with large lesser trochanter displacement. European Journal of Orthopaedic Surgery and Traumatology, 2018, 28, 1313-1319.	0.6	8
109	Clinical Outcomes and Return to Sport in Competitive Athletes Undergoing Arthroscopic Iliopsoas Fractional Lengthening Compared With a Matched Control Group Without Iliopsoas Fractional Lengthening. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2018, 34, 456-463.	1.3	23
110	Hip Flexor and Knee Extensor Muscularity Are Associated With Sprint Performance in Sprint-Trained Preadolescent Boys. Pediatric Exercise Science, 2018, 30, 115-123.	0.5	29

#	Article	IF	Citations
111	Psoas Morphology Differs between Supine and Sitting Magnetic Resonance Imaging Lumbar Spine: Implications for Lateral Lumbar Interbody Fusion. Asian Spine Journal, 2018, 12, 29-36.	0.8	22
112	Relationship between Displacement of the Psoas Major Muscle and Spinal Alignment in Patients with Adult Spinal Deformity. Asian Spine Journal, 2018, 12, 335-342.	0.8	2
113	Comparison of the effects of stability exercise and balance exercise on muscle activity in female patients with chronic low back pain. Journal of Exercise Rehabilitation, 2018, 14, 1053-1058.	0.4	13
114	Kinetic and kinematic variables affecting trunk flexion during level walking in patients with lumbar spinal stenosis. PLoS ONE, 2018, 13, e0197228.	1.1	14
115	Editorial Commentary: Caveat Flexorâ€"To Release or Not to Release the Iliopsoas, That Is the Question. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2018, 34, 1851-1855.	1.3	7
116	Spinal Muscles. , 2018, , 141-166.		0
117	Lumbar bone mineral asymmetry in elite cricket fast bowlers. Bone, 2019, 127, 537-543.	1.4	12
118	Sensitivity of muscle and intervertebral disc force computations to variations in muscle attachment sites. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 1135-1143.	0.9	7
119	Greater Lumbar Extension During Dolphin Kick and Psoas Major Tightness in Swimmers With Low Back Pain. Journal of Sport Rehabilitation, 2020, 29, 716-722.	0.4	16
120	The spontaneous restoration of the course of psoas muscles after corrective surgery for adult spinal deformity. Journal of Orthopaedic Science, 2020, 25, 73-81.	0.5	1
121	An Iliopsoas Impingement Lesion in the Absence of Painful Internal Snapping May Not Require Iliopsoas Fractional Lengthening. American Journal of Sports Medicine, 2020, 48, 2747-2754.	1.9	3
122	lliopsoas the Hidden Muscle: Anatomy, Diagnosis, and Treatment. Current Sports Medicine Reports, 2020, 19, 235-243.	0.5	10
123	Age-related degeneration of the lumbar paravertebral muscles: Systematic review and three-level meta-regression. Experimental Gerontology, 2020, 133, 110856.	1.2	29
124	The effect of posture on lumbar muscle morphometry from upright MRI. European Spine Journal, 2020, 29, 2306-2318.	1.0	13
125	Kinesiology of the lumbar vertebral column. , 2020, , 325-337.		0
126	Reciprocal relationship between multifidus and psoas at L4-L5 level in women with low back pain. British Journal of Neurosurgery, 2021, 35, 220-228.	0.4	29
127	Comments on "Sarcopenia Is an Independent Risk Factor for Proximal Junctional Disease Following Adult Spinal Deformity Surgery―by Eleswarapu et al. Global Spine Journal, 2021, 11, 814-815.	1.2	1
128	Effective botulinum neurotoxin injection in treating iliopsoas spasticity. Clinical Anatomy, 2021, 34, 431-436.	1.5	23

#	ARTICLE	IF	CITATIONS
129	Trunk and lower limb muscularity in sprinters: what are the specific muscles for superior sprint performance?. BMC Research Notes, 2021, 14, 74.	0.6	12
130	The Role of the Psoas Major Muscle in Speaking and Singing. Voice and Speech Review, 2021, 15, 200-210.	0.3	1
131	Musculoskeletal Assessment for Patients with Pelvic Pain. , 2021, , 33-49.		0
132	The compensatory mechanisms for global sagittal balance in degenerative spinal kyphosis patients: a radiological analysis of muscle-skeletal associations. BMC Musculoskeletal Disorders, 2021, 22, 733.	0.8	5
133	The Potential Role of Hamstring Extensibility on Sagittal Pelvic Tilt, Sagittal Spinal Curves and Recurrent Low Back Pain in Team Sports Players: A Gender Perspective Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 8654.	1,2	13
134	Differential activation of psoas major and rectus femoris during active straight leg raise to end range. Journal of Electromyography and Kinesiology, 2021, 60, 102588.	0.7	2
135	Age-related degeneration of lumbar muscle morphology in healthy younger versus older men. Aging Male, 2020, 23, 1583-1597.	0.9	13
136	Quantitative intramuscular myoelectric activity of lumbar portions of psoas and the abdominal wall during a wide variety of tasks. Medicine and Science in Sports and Exercise, 1998, 30, 301-310.	0.2	213
137	Musculoskeletal model of trunk and hips for development of seated-posture-control neuroprosthesis. Journal of Rehabilitation Research and Development, 2009, 46, 515.	1.6	37
138	Title is missing!. Journal of the Society of Biomechanisms, 2000, 24, 159-162.	0.0	2
139	The Lumbar Spine. , 2001, , 3-14.		0
140	Anatomy and Biomechanics. , 2003, , 9-26.		1
141	Developmental and Functional Anatomy of the Lumbar Spine. , 2008, , 855-870.		0
142	Gross anatomical characterization of the psoas major muscle: a cadaver study. Galle Medical Journal, 2009, 13, 22.	0.1	0
143	DIFFERENCE BETWEEN UPPER AND LOWER LUMBAR SPINE LORDOSIS ON THE BASIS OF THE HIP EXTENSION RANGE. Japanese Journal of Physical Fitness and Sports Medicine, 2010, 59, 357-362.	0.0	0
144	Architectural Design and Function of Human Back Muscles. , 2011, , 54-69.		0
146	Development of a Human Spine Simulation System. , 2012, , 1-44.		0
147	Study on the Role of Sit-ups on the Nonspecific Low Back Pain of Postpartum Women. , 2013, , .		0

#	Article	IF	Citations
149	Surgical Technique: Arthroscopic Iliopsoas Lengthening After THA., 2015,, 817-824.		0
151	Study of the Age Related Changes in the Lumbar Spine in Egyptian People Detected by Magnetic Resonance Imaging (MRI). International Journal of Clinical and Developmental Anatomy, 2015, 1, 42.	0.4	0
152	Relationships between running performance and the cross–sectional area of the psoas major, and peak oxygen uptake in elite junior long–distance runners. Japanese Journal of Physical Fitness and Sports Medicine, 2016, 65, 307-313.	0.0	2
153	Physical Education Students' Knowledge of Selected Safe and Non-Recommended Exercises Strengthening the Abdominal Muscles. Polish Journal of Sport and Tourism, 2016, 23, 29-34.	0.2	1
154	The Correlation between Cross-sectional Area of Lumbar Paraspinal Muscles and Walking Ability in the Patients with Lumbar Spinal Stenosis. Journal of Korean Medicine Rehabilitation, 2016, 26, 109-117.	0.2	2
155	MRI of the Psoas Major Muscle: Origin, Attachment, Anatomical Variants and Correlation with the Lumbar Disc Extrusion. Journal of Advances in Radiology and Medical Imaging, 2016, 1, .	0.0	1
156	Does elongation training effectively improve motor function?—a single-case design verification study—. Journal of Physical Therapy Science, 2020, 32, 418-421.	0.2	2
157	Psoas Major: a case report and review of its anatomy, biomechanics, and clinical implications. Journal of the Canadian Chiropractic Association, 2009, 53, 311-8.	0.2	20
159	The clinical and biomechanical effects of fascial-muscular lengthening therapy on tight hip flexor patients with and without low back pain. Journal of the Canadian Chiropractic Association, 2014, 58, 444-55.	0.2	6
160	CURRENT CONCEPTS AND TREATMENT OF PATELLOFEMORAL COMPRESSIVE ISSUES. International Journal of Sports Physical Therapy, 2016, 11, 891-902.	0.5	11
161	Intrarater reliability of musculoskeletal ultrasound imaging of psoas major muscle in patients with subacute low back pain and healthy controls. Medical Journal of the Islamic Republic of Iran, 2020, 34, 145.	0.9	0
162	Intrarater reliability of musculoskeletal ultrasound imaging of psoas major muscle in patients with subacute low back pain and healthy controls. Medical Journal of the Islamic Republic of Iran, 2020, 34, 145.	0.9	0
164	The predictive value of psoas and paraspinal muscle parameters measured on MRI for severe cage subsidence after standalone lateral lumbar interbody fusion. Spine Journal, 2023, 23, 42-53.	0.6	14
165	A Crucial But Neglected Anatomical Factor Underneath Psoas Muscle and Its Clinical Value in Lateral Lumbar Interbody Fusion—The Cleft of Psoas Major (<scp>CPM</scp>). Orthopaedic Surgery, 2022, 14, 323-330.	0.7	1
166	Competitive Athletes with Femoroacetabular Impingement and Painful Internal Snapping Treated Arthroscopically with Intrabursal Iliopsoas Fractional Lengthening: High Rate of Return to Sport and Favorable Midterm Functional Outcomes. American Journal of Sports Medicine, 2022, , 036354652210798.	1.9	5
167	Relationship between the morphology and composition of the lumbar paraspinal and psoas muscles and lumbar intervertebral motion in chronic lowâ€back pain: An exploratory study. Clinical Anatomy, 2022, 35, 762-772.	1.5	2
168	Lower-Limb Range of Motion Predicts Sagittal Spinal Misalignments in Children: A Case-Control Study. International Journal of Environmental Research and Public Health, 2022, 19, 5193.	1.2	2
169	Feedforward co-activation of trunk muscles during rapid shoulder movements. JSES International, 2022, , .	0.7	0

#	Article	IF	CITATIONS
170	Muscular Support of the Spine. , 2017, , 51-57.e4.		O
171	Action and Contribution of the Iliopsoas and Rectus Femoris as Hip Flexor Agonists Examined with Anatomical Analysis. Juntendo Medical Journal, 2022, , .	0.1	0
172	Paraspinal muscles. , 2022, , 339-364.		0
173	Psoas weakness following oblique lateral interbody fusion surgery: a prospective observational study with an isokinetic dynamometer. Spine Journal, 2022, 22, 1990-1999.	0.6	4
174	Surgical Technique: Arthroscopic Iliopsoas Lengthening After THA. , 2022, , 1095-1103.		0
175	Description of ROM-SPORT I Battery: Keys to Assess Lower Limb Flexibility. International Journal of Environmental Research and Public Health, 2022, 19, 10747.	1.2	4
176	Preoperative Association Between Quantitative Lumbar Muscle Parameters and Spinal Sagittal Alignment in Lumbar Fusion Patients. Spine, 2022, 47, 1675-1686.	1.0	2
177	Factorial and Construct Validity of Sit-Up Test of Different Durations to Assess Muscular Endurance of Police Students. Sustainability, 2022, 14, 13630.	1.6	0
178	Morphometry of lumbar muscles in the seated posture with weight-bearing MR scans. Journal of Clinical Orthopaedics and Trauma, 2022, 35, 102051.	0.6	0
179	The Biomechanical Effects of Different Bagâ€Carrying Styles on Lumbar Spine and Paraspinal Muscles: A Combined Musculoskeletal and Finite Element Study. Orthopaedic Surgery, 2023, 15, 315-327.	0.7	3
181	Lower limb postures resembling sitting and standing alter lumbar angles along the passive stiffness curve. Journal of Electromyography and Kinesiology, 2023, 69, 102752.	0.7	0
182	Correlation of psoas major muscle morphology with function and clinical symptoms in patients with symptomatic multilevel lumbar spinal stenosis. Journal of Orthopaedic Surgery and Research, 2023, 18,	0.9	0
183	Are serum thyroid hormone, parathormone, calcium, and vitamin D levels associated with lumbar spine degeneration? A cross-sectional observational clinical study. European Spine Journal, 2023, 32, 1561-1574.	1.0	3