Alison H Mcgregor

List of Publications by Year
in descending order

183	5,331	76326	118850
papers	citations	40 h-index	62 g-index

188	188	188	5606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	What is the clinical value of mHealth for patients?. Npj Digital Medicine, 2020, 3, 4.	10.9	234
2	Body-Worn Sensor Design: What Do Patients and Clinicians Want?. Annals of Biomedical Engineering, 2011, 39, 2299-2312.	2.5	177
3	Geometrical dimensions of the lower lumbar vertebrae - analysis of data from digitised CT images. European Spine Journal, 2000, 9, 242-248.	2.2	161
4	Exploring the Role of Wearable Technology in Sport Kinematics and Kinetics: A Systematic Review. Sensors, 2019, 19, 1597.	3.8	140
5	Work-related musculoskeletal disorders affecting members of the Chartered Society of Physiotherapy. Physiotherapy, 2005, 91, 138-147.	0.4	128
6	BACK PAIN AND DISABILITY AFTER LUMBAR LAMINECTOMY: IS THERE A RELATIONSHIP TO MUSCLE RETRACTION?. Neurosurgery, 2004, 54, 1413-1420.	1.1	126
7	The Impact of Self-Retaining Retractors on the Paraspinal Muscles During Posterior Spinal Surgery. Spine, 2002, 27, 2758-2762.	2.0	111
8	The pathogenesis of degeneration of the intervertebral disc and emerging therapies in the management of back pain. Journal of Bone and Joint Surgery: British Volume, 2012, 94-B, 1298-1304.	3.4	109
9	Motion Characteristics of the Lumbar Spine in the Normal Population. Spine, 1995, 20, 2421-2428.	2.0	102
10	Does preoperative hip rehabilitation advice improve recovery and patient satisfaction?. Journal of Arthroplasty, 2004, 19, 464-468.	3.1	95
11	Wearable and Implantable Sensors: The Patientâ€™s Perspective. Sensors, 2012, 12, 16695-16709.	3.8	94
12	Wearable technology for spine movement assessment: A systematic review. Journal of Biomechanics, 2017, 64, 186-197.	2.1	91
13	The Evaluation of the Surgical Management of Nerve Root Compression in Patients with Low Back Pain. Spine, 2002, 27, 1471-1475.	2.0	85
14	Measuring spinal motion in rowers: the use of an electromagnetic device. Clinical Biomechanics, 2000, 15, 772-776.	1.2	75
15	A Comparison of Rowing Technique at Different Stroke Rates: A Description of Sequencing, Force Production and Kinematics. International Journal of Sports Medicine, 2004, 25, 465-470.	1.7	74
16	Comparison of kinematic and kinetic parameters calculated using a cluster-based model and Viconâ€™s plug-in gait. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 206-210.	1.8	71
17	Quantitative assessment of the motion of the lumbar spine in the low back pain population and the effect of different spinal pathologies on this motion. European Spine Journal, 1997, 6, 308-315.	2.2	70
18	Balance and gait adaptations in patients with early knee osteoarthritis. Gait and Posture, 2014, 39, 1057-1061.	1.4	70

#	Article	IF	Citations
19	Detecting knee osteoarthritis and its discriminating parameters using random forests. Medical Engineering and Physics, 2017, 43, 19-29.	1.7	69
20	The Use of Interventional Open MRI to Assess the Kinematics of the Lumbar Spine in Patients With Spondylolisthesis. Spine, 2002, 27, 1582-1586.	2.0	68
21	The Evaluation of the Surgical Management of Nerve Root Compression in Patients with Low Back Pain. Spine, 2002, 27, 1465-1470.	2.0	65
22	Lower limb involvement in spinal function and low back pain. Journal of Back and Musculoskeletal Rehabilitation, 2009, 22, 219-222.	1.1	65
23	Perceptions of physiotherapists towards the management of non-specific chronic low back pain from a biopsychosocial perspective: A qualitative study. Musculoskeletal Science and Practice, 2018, 38, 113-119.	1.3	65
24	Kinematics of Spinal Motion During Prolonged Rowing. International Journal of Sports Medicine, 2003, 24, 597-602.	1.7	64
25	An exploration of patientsâ€™ expectation of and satisfaction with surgical outcome. European Spine Journal, 2013, 22, 2836-2844.	2.2	61
26	Do oarsmen have asymmetries in the strength of their back and leg muscles?. Journal of Sports Sciences, 2001, 19, 521-526.	2.0	60
27	Formulation of a new gradient descent MARG orientation algorithm: Case study on robot teleoperation. Mechanical Systems and Signal Processing, 2019, 130, 183-200.	8.0	59
28	Use of wearable technology for performance assessment: A validation study. Medical Engineering and Physics, 2015, 37, 698-704.	1.7	58
29	The trunk muscles of elite oarsmen. British Journal of Sports Medicine, 2002, 36, 214-216.	6.7	57
30	An Attachable Clothing Sensor System for Measuring Knee Joint Angles. IEEE Sensors Journal, 2013, 13, 4090-4097.	4.7	57
31	ISSLS Prize Winner. Spine, 2011, 36, 1711-1720.	2.0	55
32	National audit of post-operative management in spinal surgery. BMC Musculoskeletal Disorders, 2006, 7, 47.	1.9	54
33	The development of an evidence-based patient booklet for patients undergoing lumbar discectomy and un-instrumented decompression. European Spine Journal, 2007, 16, 339-346.	2.2	52
34	Rehabilitation Following Lumbar Fusion Surgery. Spine, 2016, 41, E28-E36.	2.0	51
35	Dynamic response of the cervical spine to posteroanterior mobilisation. Clinical Biomechanics, 2005, 20, 228-231.	1.2	49
36	Deep Learning for Musculoskeletal Force Prediction. Annals of Biomedical Engineering, 2019, 47, 778-789.	2.5	49

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37	Ergometer training volume and previous injury predict back pain in rowing; strategies for injury prevention and rehabilitation: TableÂ1. British Journal of Sports Medicine, 2014, 48, 1534-1537.	6.7	47
38	Corticospinal activation of internal oblique muscles has a strong ipsilateral component and can be lateralised in man. Experimental Brain Research, 2004, 158, 474-9.	1.5	45
39	Is there evidence to use kinematic/kinetic measures clinically in low back pain patients? A systematic review. Clinical Biomechanics, 2018, 55, 53-64.	1.2	45
40	Examination of the Performance Characteristics of Velostat as an In-Socket Pressure Sensor. IEEE Sensors Journal, 2020, 20, 6992-7000.	4.7	45
41	The assessment of intersegmental motion and pelvic tilt in elite oarsmen. Medicine and Science in Sports and Exercise, 2002, 34, 1143-1149.	0.4	44
42	Biomechanical determinants of elite rowing technique and performance. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, e176-83.	2.9	43
43	An alternative technical marker set for the pelvis is more repeatable than the standard pelvic marker set. Gait and Posture, 2013, 38, 1032-1037.	1.4	42
44	A knee monitoring device and the preferences of patients living with osteoarthritis: a qualitative study. BMJ Open, 2015, 5, e007980.	1.9	42
45	Kinematic Asymmetries of the Lower Limbs during Ergometer Rowing. Medicine and Science in Sports and Exercise, 2012, 44, 2147-2153.	0.4	41
46	Wearable technologies in osteoarthritis: a qualitative study of cliniciansâ€™ preferences. BMJ Open, 2016, 6, e009544.	1.9	41
47	Active Patellar Tracking Measurement. American Journal of Sports Medicine, 2004, 32, 1209-1217.	4.2	38
48	The outcome of spinal decompression surgery 5Âyears on. European Spine Journal, 2007, 16, 1842-1847.	2.2	38
49	Measuring body weight distribution during sit-to-stand in patients with early knee osteoarthritis. Gait and Posture, 2013, 38, 745-750.	1.4	38
50	Electromyographic activity of pelvic and lower limb muscles during postural tasks in people with benign joint hypermobility syndrome and non hypermobile people. A pilot study. Manual Therapy, 2011, 16, 623-628.	1.6	37
51	Delivering an Optimised Behavioural Intervention (OBI) to people with low back pain with high psychological risk; results and lessons learnt from a feasibility randomised controlled trial of Contextual Cognitive Behavioural Therapy (CCBT) vs. Physiotherapy. BMC Musculoskeletal Disorders, 2015, 16, 147.	1.9	37
52	Corticospinal Control of Human Erector Spinae Muscles. Motor Control, 2001, 5, 270-280.	0.6	36
53	Impact of wearable technology on psychosocial factors of osteoarthritis management: a qualitative study. BMJ Open, 2016, 6, e010064.	1.9	36
54	A flexible wearable sensor for knee flexion assessment during gait. Gait and Posture, 2018, 62, 480-483.	1.4	36

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55	Modelling multivariate biomechanical measurements of the spine during a rowing exercise. Clinical Biomechanics, 2003, 18, 488-493.	1.2	35
56	Direct, quantitative clinical assessment of hand function: Usefulness and reproducibility. Manual Therapy, 2007, 12, 144-152.	1.6	35
57	Predicting knee osteoarthritis risk in injured populations. Clinical Biomechanics, 2017, 47, 87-95.	1.2	35
58	Corticospinal Facilitation Studied During Voluntary Contraction of Human Abdominal Muscles. Experimental Physiology, 2001, 86, 131-136.	2.0	33
59	Global Spinal Motion in Subjects With Lumbar Spondylolysis and Spondylolisthesis. Spine, 2001, 26, 282-286.	2.0	32
60	Can interventional MRI provide an insight into the mechanics of a posteriorâ€“anterior mobilisation?. Clinical Biomechanics, 2001, 16, 926-929.	1.2	30
61	Corticospinal excitability in patients with unilateral sciatica. Neuroscience Letters, 2003, 353, 33-36.	2.1	30
62	Are Subjective Clinical Findings and Objective Clinical Tests Related to the Motion Characteristics of Low Back Pain Subjects?. Journal of Orthopaedic and Sports Physical Therapy, 1998, 28, 370-377.	3.5	28
63	Rehabilitation following surgery for lumbar spinal stenosis. The Cochrane Library, 2013, , CD009644.	2.8	28
64	Rehabilitation Following Surgery for Lumbar Spinal Stenosis. Spine, 2014, 39, 1044-1054.	2.0	28
65	Impaired neural drive in patients with low back pain. European Journal of Pain, 2014, 18, 794-802.	2.8	28
66	Activation of Back Muscles During Voluntary Abduction of the Contralateral Arm in Humans. Spine, 2002, 27, 1355-1360.	2.0	27
67	Establishment of a protocol to test fatigue of the trunk muscles. British Journal of Sports Medicine, 2005, 39, 731-735.	6.7	26
68	Exploring the care experience of patients undergoing spinal surgery: a qualitative study. Journal of Evaluation in Clinical Practice, 2013, 19, 132-138.	1.8	26
69	Foot force production and asymmetries in elite rowers. Sports Biomechanics, 2014, 13, 47-61.	1.6	26
70	Spinal segments do not move together predictably during daily activities. Gait and Posture, 2019, 67, 277-283.	1.4	26
71	Perceived Effect of Socket Fit on Major Lower Limb Prosthetic Rehabilitation: A Clinician and Amputee Perspective. Archives of Rehabilitation Research and Clinical Translation, 2020, 2, 100059.	0.9	26
72	Fatigue-Induced Change in Corticospinal Drive to Back Muscles in Elite Rowers. Experimental Physiology, 2002, 87, 593-600.	2.0	24

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73	Function after spinal treatment, exercise and rehabilitation (FASTER): improving the functional outcome of spinal surgery. BMC Musculoskeletal Disorders, 2010, 11, 17.	1.9	24
74	Gait adaptations with aging in healthy participants and people with knee-joint osteoarthritis. Gait and Posture, 2017, 57, 246-251.	1.4	23
75	The perspectives of physiotherapists on managing nonspecific low back pain following a training programme in cognitive functional therapy: A qualitative study. Musculoskeletal Care, 2019, 17, 79-90.	1.4	23
76	Prevalence and Incidence of Low Back Pain in the Kingdom of Saudi Arabia: A Systematic Review. Journal of Epidemiology and Global Health, 2020, 10, 269.	2.9	23
77	Body Sensor Networks for Monitoring Rowing Technique. , 2009, , .		22
78	Function After Spinal Treatment, Exercise, and Rehabilitation. Spine, 2011, 36, 1807-1814.	2.0	22
79	Knee moments of anterior cruciate ligament reconstructed and control participants during normal and inclined walking. BMJ Open, 2014, 4, e004753-e004753.	1.9	22
80	Impact of social restrictions during the COVID-19 pandemic on the physical activity levels of adults aged 50â€“92 years: a baseline survey of the CHARIOT COVID-19 Rapid Response prospective cohort study. BMJ Open, 2021, 11, e050680.	1.9	22
81	Physiotherapy Regimens in Esophagectomy and Gastrectomy: a Systematic Review and Meta-Analysis. Annals of Surgical Oncology, 2022, 29, 3148-3167.	1.5	22
82	Trunk strength patterns in elite rowers. Isokinetics and Exercise Science, 2004, 12, 253-261.	0.4	21
83	Detection of abnormal muscle activations during walking following spinal cord injury (SCI). Research in Developmental Disabilities, 2013, 34, 1226-1235.	2.2	20
84	The Complexity of Human Walking: A Knee Osteoarthritis Study. PLoS ONE, 2014, 9, e107325.	2.5	20
85	A comparison of kinematics and performance measures of two rowing ergometers. Journal of Sports Science and Medicine, 2006, 5, 52-9.	1.6	20
86	An open-source musculoskeletal model of the lumbar spine and lower limbs: a validation for movements of the lumbar spine. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 1310-1325.	1.6	19
87	The relationship between rowing-related low back pain and rowing biomechanics: a systematic review. British Journal of Sports Medicine, 2021, 55, 616-628.	6.7	19
88	How do physiotherapists solicit and explore patientsâ€™ concerns in back pain consultations: a conversation analytic approach. Physiotherapy Theory and Practice, 2021, 37, 693-709.	1.3	18
89	RESTOREâ€”Cognitive functional therapy with or without movement sensor biofeedback versus usual care for chronic, disabling low back pain: study protocol for a randomised controlled trial. BMJ Open, 2019, 9, e031133.	1.9	17
90	Spinal kinematics in elite oarswomen during a routine physiological "step test". Medicine and Science in Sports and Exercise, 2005, 37, 1014-20.	0.4	17

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91	Trunk muscle responses following unpredictable loading of an abducted arm. Gait and Posture, 2009, 30, 181-186.	1.4	16
92	A subject-based motion generation model with adjustable walking pattern for a gait robotic trainer: NaTUre-gaits. , 2011, , .		16
93	Smart Sensing System for Combined Activity Classification and Estimation of Knee Range of Motion. IEEE Sensors Journal, 2015, 15, 5535-5544.	4.7	16
94	Understanding Low Back Pain in Traumatic Lower Limb Amputees: A Systematic Review. Archives of Rehabilitation Research and Clinical Translation, 2019, 1, 100007.	0.9	16
95	Alteration of movement patterns in low back pain assessed by Statistical Parametric Mapping. Journal of Biomechanics, 2020, 100, 109597.	2.1	16
96	Incremental training intensities increases loads on the lower back of elite female rowers. Journal of Sports Sciences, 2016, 34, 369-378.	2.0	15
97	Rehabilitation following lumbar fusion surgery (REFS) a randomised controlled feasibility study. European Spine Journal, 2019, 28, 735-744.	2.2	15
98	Human corticospinal excitability in microgravity and hypergravity during parabolic flight. Aviation, Space, and Environmental Medicine, 2004, 75, 359-63.	0.5	15
99	Correlation of nerve root pain with dermatomal sensory threshold and back pain with spinal movement in single level lumbar spondylosis. Journal of Bone and Joint Surgery: British Volume, 2004, 86-B, 74-80.	3.4	14
100	Evaluation of corticospinal excitability in cervical myelopathy, before and after surgery, with transcranial magnetic stimulation: a pilot study. European Spine Journal, 2013, 22, 189-196.	2.2	14
101	Assessment of chest wall movement following thoracotomy: a systematic review. Journal of Thoracic Disease, 2020, 12, 1031-1040.	1.4	14
102	2021 consensus statement for preventing and managing low back pain in elite and subelite adult rowers. British Journal of Sports Medicine, 2021, 55, 893-899.	6.7	14
103	An investigation of leg and trunk strength and reaction times of hard-style martial arts practitioners. Journal of Sports Science and Medicine, 2006, 5, 5-12.	1.6	14
104	The influence of initial resting posture on range of motion of the lumbar spine. Manual Therapy, 2001, 6, 139-144.	1.6	13
105	Assessing Hip Abduction and Adduction Strength: Can Greater Segmental Fixation Enhance the Reproducibility?. Archives of Physical Medicine and Rehabilitation, 2007, 88, 1147-1153.	0.9	13
106	The Impact of Intermittent Retraction on Paraspinal Muscle Function During Lumbar Surgery. Spine, 2010, 35, E1050-E1057.	2.0	13
107	The effect of bone strontium on BMD is different for different manufacturers' DXA Systems. Bone, 2010, 47, 882-887.	2.9	13
108	Patientsâ€™ views on an education booklet following spinal surgery. European Spine Journal, 2012, 21, 1609-1615.	2.2	13

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109	Reliability and minimal detectable change of gait kinematics in people who are hypermobile. Gait and Posture, 2016, 44, 37-42.	1.4	13
110	Voice and Swallowing Outcomes Following Airway Reconstruction in Adults: A Systematic Review. Laryngoscope, 2021, 131, 146-157.	2.0	13
111	Physiotherapistsâ€™ Approaches to Patientsâ€™ Concerns in Back Pain Consultations Following a Psychologically Informed Training Program. Qualitative Health Research, 2021, 31, 2486-2501.	2.1	13
112	Longitudinal changes in the spinal kinematics of oarswomen during step testing. Journal of Sports Science and Medicine, 2007, 6, 29-35.	1.6	13
113	Adaptation of balance reactions following forward perturbations in people with joint hypermobility syndrome. BMC Musculoskeletal Disorders, 2021, 22, 123.	1.9	12
114	Quantification of Motor Function Post-Stroke Using Novel Combination of Wearable Inertial and Mechanomyographic Sensors. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1158-1167.	4.9	12
115	The effect of test speed on the motion characteristics of the lumbar spine during an A-P flexion-extension test. Journal of Back and Musculoskeletal Rehabilitation, 2000, 14, 99-104.	1.1	11
116	Testing the credibility, feasibility and acceptability of an optimised behavioural intervention (OBI) for avoidant chronic low back pain patients: protocol for a randomised feasibility study. Trials, 2013, 14, 172.	1.6	11
117	An Evaluation of a Postoperative Rehabilitation Program After Spinal Surgery and Its Impact on Outcome. Spine, 2012, 37, E417-E422.	2.0	10
118	Current and future perspectives on lumbar degenerative disc disease: a UK survey exploring specialist multidisciplinary clinical opinion. BMJ Open, 2016, 6, e011075.	1.9	10
119	Changes in rowing technique over a routine one hour low intensity high volume training session. Journal of Sports Science and Medicine, 2008, 7, 486-91.	1.6	10
120	Do men and women row differently? a spinal kinematic and force perspective. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2008, 222, 77-83.	0.7	9
121	Electromyographic activity of the quadriceps components during the final degrees of knee extension. Journal of Back and Musculoskeletal Rehabilitation, 2011, 24, 215-223.	1.1	9
122	Evaluating rehabilitation following lumbar fusion surgery (REFS): study protocol for a randomised controlled trial. Trials, 2015, 16, 251.	1.6	9
123	Influence of foot-stretcher height on rowing technique and performance. Sports Biomechanics, 2016, 15, 513-526.	1.6	9
124	Feasibility and acceptability study on the use of a smartphone application to facilitate balance training in the ageing population. BMJ Open, 2020, 10, e039054.	1.9	9
125	Quantitative Assessment of the Motion of the Lumbar Spine and Pelvis with Wearable Inertial Sensors. , 2010, , .		8
126	Degeneration of the extensor muscle group in a surgical low back and leg pain population. Journal of Back and Musculoskeletal Rehabilitation, 2011, 24, 23-30.	1.1	8

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127	Characterising the Mould Rectification Process for Designing Scoliosis Braces: Towards Automated Digital Design of 3D-Printed Braces. Applied Sciences (Switzerland), 2021, 11, 4665.	2.5	8
128	Understanding lower limb muscle volume adaptations to amputation. Journal of Biomechanics, 2021, 125, 110599.	2.1	8
129	Health, Lifestyle, and Psycho-Social Determinants of Poor Sleep Quality During the Early Phase of the COVID-19 Pandemic: A Focus on UK Older Adults Deemed Clinically Extremely Vulnerable. Frontiers in Public Health, 2021, 9, 753964.	2.7	8
130	Plantar Loading Forces While Walking in a Below-Knee Cast With an Attached Loadbearing Frame. Foot and Ankle International, 2015, 36, 722-729.	2.3	7
131	Spinal motion in lumbar degenerative disc disease. Journal of Bone and Joint Surgery: British Volume, 1998, 80, 1009-1013.	3.4	7
132	Spinal motion in lumbar degenerative disc disease. Journal of Bone and Joint Surgery: British Volume, 1998, 80-B, 1009-1013.	3.4	6
133	Testing isometric fatigue in the trunk muscles. Isokinetics and Exercise Science, 2007, 15, 91-97.	0.4	6
134	The calibration and application of a force-measuring apparatus on the seat of a rowing ergometer. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2010, 224, 109-116.	0.7	6
135	Exploring the clinical context of adopting an instrumented insole: a qualitative study of cliniciansâ€™ preferences in England. BMJ Open, 2019, 9, e023656.	1.9	6
136	The potential use of spinal motion as a measure of surgical outcome. Journal of Back and Musculoskeletal Rehabilitation, 2004, 17, 77-82.	1.1	5
137	Effects of a 60~second maximum voluntary isometric contraction on torque production and EMG output of the quadriceps muscle group. Isokinetics and Exercise Science, 2011, 19, 13-22.	0.4	5
138	Optimizing and validating an electromagnetic tracker in a human performance laboratory. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2011, 225, 343-351.	1.8	5
139	Postnatal exercise interventions: a systematic review of adherence and effect. BMJ Open, 2021, 11, e044567.	1.9	5
140	The Impact of Limited Prosthetic Socket Documentation: A Researcher Perspective. Frontiers in Rehabilitation Sciences, 2022, 3, .	1.2	5
141	Mapping Lower-Limb Prosthesis Load Distributions Using a Low-Cost Pressure Measurement System. Frontiers in Medical Technology, 0, 4, .	2.5	5
142	Do asymmetries exist in the trunk muscles and is this influenced by sporting task?. Isokinetics and Exercise Science, 2008, 16, 255-262.	0.4	4
143	Comparison of median frequency between traditional and functional sensor placements during activity monitoring. Measurement: Journal of the International Measurement Confederation, 2013, 46, 2193-2200.	5.0	4
144	Spatiotemporal gait changes in healthy pregnant women and women with pelvic girdle pain: A systematic review. Journal of Back and Musculoskeletal Rehabilitation, 2018, 31, 821-838.	1.1	4

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145	Lower back pain and healthy subjects exhibit distinct lower limb perturbation response strategies: A preliminary study. Journal of Back and Musculoskeletal Rehabilitation, 2019, 32, 27-35.	1.1	4
146	Time spent being sedentary: an emerging risk factor for poor health. British Journal of General Practice, 2019, 69, 278-279.	1.4	4
147	Correlation of nerve root pain with dermatomal sensory threshold and back pain with spinal movement in single level lumbar spondylosis. Journal of Bone and Joint Surgery: British Volume, 2004, 86, 74-80.	3.4	4
148	VALIDATION OF THE USE OF A SKIN-MOUNTED DEVICE TO MEASURE OUT-OF-PLANE ROTATIONS OF THE SPINE FOR A ROWING ACTIVITY. Journal of Musculoskeletal Research, 2004, 08, 129-132.	0.2	3
149	Clinical-Based Engineering Assessment and Data Interpretation of Hand Strength for Task-Oriented Robotic Rehabilitation. Advanced Robotics, 2011, 25, 1991-2018.	1.8	3
150	Communicating and using biomechanical measures through visual cues to optimise safe and effective rowing. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2016, 230, 246-252.	0.7	3
151	Injury prevention, performance and return to sport: How can science help?. Chinese Journal of Traumatology - English Edition, 2017, 20, 63-66.	1.4	3
152	Myographic Information Enables Hand Function Classification in Automated Fugl-Meyer Assessment. , 2019, , .		3
153	The potential for haptic touch technology to supplement human empathetic touch during radiotherapy. Journal of Medical Imaging and Radiation Sciences, 2020, 51, S39-S43.	0.3	3
154	Maintaining Bone Health in the Lumbar Spine: Routine Activities Alone Are Not Enough. Frontiers in Bioengineering and Biotechnology, 2021, 9, 661837.	4.1	3
155	Comparing sagittal plane kinematics and kinetics of gait and stair climbing between hypermobile and non-hypermobile people; a cross-sectional study. BMC Musculoskeletal Disorders, 2021, 22, 712.	1.9	3
156	Investigating the Effects of Knee Flexion during the Eccentric Heel-Drop Exercise. Journal of Sports Science and Medicine, 2015, 14, 459-65.	1.6	3
157	Issues Faced by Prosthetists and Physiotherapists During Lower-Limb Prosthetic Rehabilitation: A Thematic Analysis. Frontiers in Rehabilitation Sciences, 2022, 2, .	1.2	3
158	Not as simple as "fear of the unknown": A qualitative study exploring anxiety in the radiotherapy department. European Journal of Cancer Care, 2022, 31, e13564.	1.5	3
159	Patient and practitioner perspectives on the design of a simulated affective touch device to reduce procedural anxiety associated with radiotherapy: a qualitative study. BMJ Open, 2022, 12, e050288.	1.9	3
160	Time course of trunk extensor muscle fatigue as measured using dynamometry and electromyography. Isokinetics and Exercise Science, 2007, 15, 225-231.	0.4	2
161	Re: Electromyographic activity of pelvic and lower limb muscles during postural tasks in people with benign joint hypermobility syndrome and non hypermobile people. A pilot study Greenwood NL, Duffell LD, Alexander CM & McGregor AH. Man Ther 16, 2011 p623â€“628. Manual Therapy, 2013, 18, e10.	1.6	2
162	Live demonstration: Wearable electronics for a smart garment aiding rehabilitation. , 2015, , .		2

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163	Design and preliminary testing of a low-cost balance perturbation system for the evaluation of real life postural adjustment on public transport. Journal of Medical Engineering and Technology, 2019, 43, 356-362.	1.4	2
164	Symptomatic individuals with Lumbar Disc Degeneration use different anticipatory and compensatory kinematic strategies to asymptomatic controls in response to postural perturbation. Gait and Posture, 2022, 94, 222-229.	1.4	2
165	Is our healthcare system working for spinal surgery patients? Towards individualised care pathways and person-centered supports. European Journal for Person Centered Healthcare, 2014, 1, 411.	0.3	2
166	Improving consultations for persistent musculoskeletal low back pain in orthopaedic spine settings: an intervention development. BMC Musculoskeletal Disorders, 2021, 22, 896.	1.9	2
167	A qualitative evaluation of participants experiences of living with back pain, lumbar fusion surgery, and post-operative rehabilitation. Pilot and Feasibility Studies, 2022, 8, 91.	1.2	2
168	Rehabilitation following lumbar fusion surgery: a randomised, controlled, feasibility study with interim results. Spine Journal, 2016, 16, S79.	1.3	1
169	Understanding the impact of lumbar disc degeneration and chronic low back pain: A cross-sectional electromyographic analysis of postural strategy during predicted and unpredicted postural perturbations. PLoS ONE, 2021, 16, e0249308.	2.5	1
170	Taking patients to the ice cream shop but telling them that they cannot have ice cream: a qualitative study of orthopaedic spine clinicians' perceptions of persistent low back pain consultations. BMJ Open, 2021, 11, e052938.	1.9	1
171	A Visual Feedback Tool for Quantitative Pressure Monitoring in Lower-Limb Prosthetic Sockets. Prosthesis, 2021, 3, 394-405.	2.9	1
172	Prolonged standing behaviour in people with joint hypermobility syndrome. BMC Musculoskeletal Disorders, 2021, 22, 1005.	1.9	1
173	Comparing optical and electromagnetic tracking systems to facilitate compatibility in sports kinematics data. International Biomechanics, 2021, 8, 75-84.	1.0	1
174	ASO Author Reflections: The Role of Physiotherapy Regimens in Esophagectomy and Gastrectomy for Cancer. Annals of Surgical Oncology, 2022, 29, 3168-3169.	1.5	1
175	A subject-based motion generation model with adjustable walking pattern for a gait robotic trainer: NaTUre-gaits. , 2011, , .		1
176	Assessment of Biomechanical Risks to the Knee Joint and Surrounding Structures During the Sit-to-stand Pattern using the Royal Hospital and Home Putney Standing Riser. Physiotherapy, 1993, 79, 33.	0.4	0
177	THE ASSESSMENT OF THE KINEMATICS OF THE CERVICAL SPINE USING OPEN (INTERVENTIONAL) MRI. Journal of Musculoskeletal Research, 2004, 08, 13-19.	0.2	0
178	Reviewer's comment on "Five-year outcome of surgical decompression of the lumbar spine without fusion" by Mannion AF, Denzler R, Dvorak J, Grob D (doi:10.1007/s00586-010-1535-2). European Spine Journal, 2010, 19, 1892-1893.	2.2	0
179	Introducing the Society for Back Pain Research. European Spine Journal, 2012, 21, 153-153.	2.2	0
180	Highlights from day three of the EuroSciCon 2015 Sports Science Summit. Future Science OA, 2015, 1, FSO14.	1.9	0

#	Article	IF	Citations
181	Association between hip joint impingement and lumbar disc disease in elite rowers. BMJ Open Sport and Exercise Medicine, 2021, 7, e001063.	2.9	0
182	A Paradigm Shift in Assessment of Scientific Skills in Undergraduate Medical Education. Advances in Medical Education and Practice, 2022, Volume 13, 123-127.	1.5	0
183	Obtaining Patient Torso Geometry for the Design of Scoliosis Braces. A Study of the Accuracy and Repeatability of Handheld 3D Scanners. Prosthetics and Orthotics International, 2022, Publish Ahead of Print, .	1.0	0