Michele C Battie

List of Publications by Citations

174 papers	9,276 citations	48 h-index	92 g-index
187 ext. papers	10,474 ext. citations	3.7 avg, IF	5.99 L-index

#	Paper	IF	Citations
174	Outcome measures for low back pain research. A proposal for standardized use. *Spine*, **1998**, 23, 2003-13	3.3	924
173	A prospective study of work perceptions and psychosocial factors affecting the report of back injury. *Spine*, **1991**, 16, 1-6	3.3	521
172	A comparison of physical therapy, chiropractic manipulation, and provision of an educational booklet for the treatment of patients with low back pain. *New England Journal of Medicine*, **1998**, 339, 1021-9	59.2	473
171	Lumbar disc degeneration: epidemiology and genetic influences. *Spine*, **2004**, 29, 2679-90	3.3	342
170	Knee osteoarthritis in former runners, soccer players, weight lifters, and shooters. *Arthritis and Rheumatism*, **1995**, 38, 539-46		342
169	The Twin Spine Study: contributions to a changing view of disc degeneration. *Spine Journal*, **2009**, 9, 47-59	4	250
168	1991 Volvo Award in Clinical Sciences. *Spine*, **1991**, 16, 1015-1021	3.3	249
167	Lumbar disc degeneration: epidemiology and genetics. *Journal of Bone and Joint Surgery - Series A*, **2006**, 88 Suppl 2, 3-9	5.6	212
166	Intragenic polymorphisms of the vitamin D receptor gene associated with intervertebral disc degeneration. *Spine*, **1998**, 23, 2477-85	3.3	212
165	The long-term effects of physical loading and exercise lifestyles on back-related symptoms, disability, and spinal pathology among men. *Spine*, **1995**, 20, 699-709	3.3	190
164	Managing low back pain: attitudes and treatment preferences of physical therapists. *Physical Therapy*, **1994**, 74, 219-26	3.3	184
163	Heritability of low back pain and the role of disc degeneration. *Pain*, **2007**, 131, 272-280	8	179
162	Genetic and environmental effects on disc degeneration by phenotype and spinal level: a multivariate twin study. *Spine*, **2008**, 33, 2801-8	3.3	145
161	ISSLS prize winner: Lumbar vertebral endplate lesions: associations with disc degeneration and back pain history. *Spine*, **2012**, 37, 1490-6	3.3	140
160	Associations between back pain history and lumbar MRI findings. *Spine*, **2003**, 28, 582-8	3.3	133
159	Magnetic resonance imaging findings and their relationships in the thoracic and lumbar spine. Insights into the etiopathogenesis of spinal degeneration. *Spine*, **1995**, 20, 928-35	3.3	121
158	Low back pain. *Nature Reviews Disease Primers*, **2018**, 4, 52	51.1	118

157	The influence of occupation on lumbar degeneration. *Spine*, **1999**, 24, 1164-8	3.3	109
156	Determinants of the progression in lumbar degeneration: a 5-year follow-up study of adult male monozygotic twins. *Spine*, **2006**, 31, 671-8	3.3	103
155	Associations of 25 structural, degradative, and inflammatory candidate genes with lumbar disc desiccation, bulging, and height narrowing. *Arthritis and Rheumatism*, **2009**, 60, 470-81		101
154	Paraspinal muscle morphology and composition: a 15-yr longitudinal magnetic resonance imaging study. *Medicine and Science in Sports and Exercise*, **2014**, 46, 893-901	1.2	100
153	High-quality controlled trials on preventing episodes of back problems: systematic literature review in working-age adults. *Spine Journal*, **2009**, 9, 147-68	4	98
152	Quantitative paraspinal muscle measurements: inter-software reliability and agreement using OsiriX and ImageJ. *Physical Therapy*, **2012**, 92, 853-64	3.3	97
151	A population-based survey of back pain beliefs in Canada. *Spine*, **2006**, 31, 2142-5	3.3	97
150	Occupational driving and lumbar disc degeneration: a case-control study. *Lancet, The*, **2002**, 360, 1369-74	4.0	94
149	A prospective study of the role of cardiovascular risk factors and fitness in industrial back pain complaints. *Spine*, **1989**, 14, 141-7	3.3	94
148	The relative roles of intragenic polymorphisms of the vitamin d receptor gene in lumbar spine degeneration and bone density. *Spine*, **2001**, 26, E7-E12	3.3	91
147	Lumbar vertebral endplate lesions: prevalence, classification, and association with age. *Spine*, **2012**, 37, 1432-9	3.3	86
146	Observer variability in the assessment of disc degeneration on magnetic resonance images of the lumbar and thoracic spine. *Spine*, **1995**, 20, 1029-35	3.3	80
145	Is level- and side-specific multifidus asymmetry a marker for lumbar disc pathology?. *Spine Journal*, **2012**, 12, 932-9	4	79
144	ISSLS PRIZE IN BIOENGINEERING SCIENCE 2017: Automation of reading of radiological features from magnetic resonance images (MRIs) of the lumbar spine without human intervention is comparable with an expert radiologist. *European Spine Journal*, **2017**, 26, 1374-1383	2.7	72
143	ISSLS Prize Winner: Consensus on the Clinical Diagnosis of Lumbar Spinal Stenosis: Results of an International Delphi Study. *Spine*, **2016**, 41, 1239-1246	3.3	71
142	The prognostic value of functional capacity evaluation in patients with chronic low back pain: part 1: timely return to work. *Spine*, **2004**, 29, 914-9	3.3	70
141	The osseous endplates in lumbar vertebrae: thickness, bone mineral density and their associations with age and disk degeneration. *Bone*, **2011**, 48, 804-9	4.7	69
140	The Role of Spinal Flexibility in Back Pain Complaints within Industry. *Spine*, **1990**, 15, 768-773	3.3	69

139	Progression and determinants of quantitative magnetic resonance imaging measures of lumbar disc degeneration: a five-year follow-up of adult male monozygotic twins. *Spine*, **2008**, 33, 1484-90	3.3	65
138	The effects of anthropometrics, lifting strength, and physical activities in disc degeneration. *Spine*, **2007**, 32, 1406-13	3.3	64
137	A criterion measure of walking capacity in lumbar spinal stenosis and its comparison with a treadmill protocol. *Spine*, **2009**, 34, 2444-9	3.3	63
136	Physical loading and performance as predictors of back pain in healthy adults. A 5-year prospective study. *European Journal of Applied Physiology and Occupational Physiology*, **1996**, 73, 452-8		62
135	Modic changes: prevalence, distribution patterns, and association with age in white men. *Spine Journal*, **2012**, 12, 411-6	4	60
134	Depression as a prognostic factor of lumbar spinal stenosis: a systematic review. *Spine Journal*, **2014**, 14, 837-46	4	59
133	Substantial asymmetry in paraspinal muscle cross-sectional area in healthy adults questions its value as a marker of low back pain and pathology. *Spine*, **2011**, 36, 2152-7	3.3	59
132	Paraspinal muscle asymmetry and fat infiltration in patients with symptomatic disc herniation. *European Spine Journal*, **2016**, 25, 1452-1459	2.7	58
131	Spinal flexibility and individual factors that influence it. *Physical Therapy*, **1987**, 67, 653-8	3.3	57
130	Validity and reproducibility of self-report measures of walking capacity in lumbar spinal stenosis. *Spine*, **2010**, 35, 2097-102	3.3	55
129	Functional capacity evaluation performance does not predict sustained return to work in claimants with chronic back pain. *Journal of Occupational Rehabilitation*, **2005**, 15, 285-94	3.6	53
128	Work-related recovery expectations and the prognosis of chronic low back pain within a workers' compensation setting. *Journal of Occupational and Environmental Medicine*, **2005**, 47, 428-33	2	51
127	Factors associated with paraspinal muscle asymmetry in size and composition in a general population sample of men. *Physical Therapy*, **2013**, 93, 1540-50	3.3	50
126	Construct validity of a kinesiophysical functional capacity evaluation administered within a worker's compensation environment. *Journal of Occupational Rehabilitation*, **2003**, 13, 287-95	3.6	47
125	Association between paraspinal muscle morphology, clinical symptoms and functional status in patients with lumbar spinal stenosis. *European Spine Journal*, **2017**, 26, 2543-2551	2.7	45
124	Challenging the cumulative injury model: positive effects of greater body mass on disc degeneration. *Spine Journal*, **2010**, 10, 26-31	4	45
123	Heritability of BMD of femoral neck and lumbar spine: a multivariate twin study of Finnish men. *Journal of Bone and Mineral Research*, **2007**, 22, 1455-62	6.3	45
122	Does functional capacity evaluation predict recovery in workers' compensation claimants with upper extremity disorders?. *Occupational and Environmental Medicine*, **2006**, 63, 404-10	2.1	44

121	Reliability of safe maximum lifting determinations of a functional capacity evaluation. *Physical Therapy*, **2002**, 82, 364-71	3.3	44
120	Evaluation of a Canadian back pain mass media campaign. *Spine*, **2010**, 35, 906-13	3.3	43
119	Industrial Back Pain Complaints A Broader Perspective. *Orthopedic Clinics of North America*, **1991**, 22, 273-282	3.5	43
118	A morphological study of lumbar vertebral endplates: radiographic, visual and digital measurements. *European Spine Journal*, **2012**, 21, 2316-23	2.7	40
117	Physical therapy interventions for degenerative lumbar spinal stenosis: a systematic review. *Physical Therapy*, **2013**, 93, 1646-60	3.3	40
116	Allelic variants of IL1R1 gene associate with severe hand osteoarthritis. *BMC Medical Genetics*, **2010** , 11, 50	2.1	40
115	Age- and pathology-specific measures of disc degeneration. *Spine*, **2008**, 33, 2781-8	3.3	40
114	Health-related quality of life and comorbidities associated with lumbar spinal stenosis. *Spine Journal*, **2012**, 12, 189-95	4	39
113	Quantitative measures of modic changes in lumbar spine magnetic resonance imaging: intra- and inter-rater reliability. *Spine*, **2011**, 36, 1236-43	3.3	39
112	Lifetime exercise and disk degeneration: an MRI study of monozygotic twins. *Medicine and Science in Sports and Exercise*, **1997**, 29, 1350-6	1.2	39
111	The prognostic value of functional capacity evaluation in patients with chronic low back pain: part 2: sustained recovery. *Spine*, **2004**, 29, 920-4	3.3	38
110	Predicting timely recovery and recurrence following multidisciplinary rehabilitation in patients with compensated low back pain. *Spine*, **2005**, 30, 235-40	3.3	38
109	A prospective evaluation of preemployment screening methods for acute industrial back pain. *Spine*, **1992**, 17, 922-6	3.3	38
108	Do variations in paraspinal muscle morphology and composition predict low back pain in men?. *Scandinavian Journal of Medicine and Science in Sports*, **2015**, 25, 880-7	4.6	36
107	Heritability of lumbar flexibility and the role of disc degeneration and body weight. *Journal of Applied Physiology*, **2008**, 104, 379-85	3.7	35
106	Correlations of isokinetic and psychophysical back lift and static back extensor endurance tests in men. *Clinical Biomechanics*, **1995**, 10, 325-330	2.2	35
105	The reliability of paraspinal muscles composition measurements using routine spine MRI and their association with back function. *Manual Therapy*, **2008**, 13, 349-56		34
104	Evaluation of a short-form functional capacity evaluation: less may be best. *Journal of Occupational Rehabilitation*, **2007**, 17, 422-35	3.6	34

103	The Patient-Specific Functional Scale: validity in workers' compensation claimants. *Archives of Physical Medicine and Rehabilitation*, **2008**, 89, 1294-9	2.8	33
102	Digital assessment of MRI for lumbar disc desiccation. A comparison of digital versus subjective assessments and digital intensity profiles versus discogram and macroanatomic findings. *Spine*, **1994**, 19, 192-8	3.3	32
101	Isometric back extension endurance testing: reasons for test termination. *Journal of Orthopaedic and Sports Physical Therapy*, **2005**, 35, 437-42	4.2	30
100	Prevalence and characteristics of upper or mid-back pain in Finnish men. *Spine*, **2006**, 31, 1846-9	3.3	29
99	Is greater lumbar vertebral BMD associated with more disk degeneration? A study using μCT and discography. *Journal of Bone and Mineral Research*, **2011**, 26, 2785-91	6.3	28
98	A comparison of pressure pain detection thresholds in people with chronic low back pain and volunteers without pain. *Physical Therapy*, **2005**, 85, 1085-92	3.3	28
97	Construct validity of the physical function scale of the Swiss Spinal Stenosis Questionnaire for the measurement of walking capacity. *Spine*, **2007**, 32, 1896-901	3.3	27
96	Degenerative Disc Disease: What is in a Name?. *Spine*, **2019**, 44, 1523-1529	3.3	27
95	Measuring and reporting of vertebral endplate bone marrow lesions as seen on MRI (Modic changes): recommendations from the ISSLS Degenerative Spinal Phenotypes Group. *European Spine Journal*, **2019**, 28, 2266-2274	2.7	26
94	Aging changes in lumbar discs and vertebrae and their interaction: a 15-year follow-up study. *Spine Journal*, **2014**, 14, 469-78	4	26
93	The long-term effects of rally driving on spinal pathology. *Clinical Biomechanics*, **2000**, 15, 83-6	2.2	26
92	Structural vertebral endplate nomenclature and etiology: a study by the ISSLS Spinal Phenotype Focus Group. *European Spine Journal*, **2018**, 27, 2-12	2.7	26
91	Lumbar Vertebral Endplate Defects on Magnetic Resonance Images: Classification, Distribution Patterns, and Associations with Modic Changes and Disc Degeneration. *Spine*, **2018**, 43, 919-927	3.3	25
90	Morphometrics and lesions of vertebral end plates are associated with lumbar disc degeneration: evidence from cadaveric spines. *Journal of Bone and Joint Surgery - Series A*, **2013**, 95, e26	5.6	25
89	Physical therapy treatment options for lumbar spinal stenosis. *Journal of Back and Musculoskeletal Rehabilitation*, **2010**, 23, 31-7	1.4	25
88	Quantitative measurement of intervertebral disc signal using MRI. *Clinical Radiology*, **2008**, 63, 252-5	2.9	25
87	Determinants of isokinetic and psychophysical lifting strength and static back muscle endurance: a study of male monozygotic twins. *Spine*, **1997**, 22, 2983-90	3.3	24
86	Material handling performance of patients with chronic low back pain during functional capacity evaluation: a comparison between three countries. *Disability and Rehabilitation*, **2006**, 28, 1143-9	2.4	23

85	Multivariate genetic analysis of lifetime exercise and environmental factors. *Medicine and Science in Sports and Exercise*, **2004**, 36, 1559-66	1.2	23
84	Lumbar mobility in former elite male weight-lifters, soccer players, long-distance runners and shooters. *Clinical Biomechanics*, **1997**, 12, 325-330	2.2	22
83	Development and validation of a short-form functional capacity evaluation for use in claimants with low back disorders. *Journal of Occupational Rehabilitation*, **2006**, 16, 53-62	3.6	22
82	Relative roles of heredity and physical activity in adolescence and adulthood on blood pressure. *Journal of Applied Physiology*, **2004**, 97, 1046-52	3.7	22
81	Regional variations in trabecular architecture of the lumbar vertebra: associations with age, disc degeneration and disc space narrowing. *Bone*, **2013**, 56, 249-54	4.7	21
80	Disc degeneration and bone density in monozygotic twins discordant for insulin-dependent diabetes mellitus. *Journal of Orthopaedic Research*, **2000**, 18, 768-72	3.8	21
79	Isometric Strength Testing. *Spine*, **1986**, 11, 43-46	3.3	21
78	Longitudinal construct validity and responsiveness of measures of walking capacity in individuals with lumbar spinal stenosis. *Spine Journal*, **2014**, 14, 1936-43	4	20
77	Disc degeneration-related clinical phenotypes. *European Spine Journal*, **2014**, 23 Suppl 3, S305-14	2.7	20
76	Predictors of objectively measured walking capacity in people with degenerative lumbar spinal stenosis. *Journal of Back and Musculoskeletal Rehabilitation*, **2013**, 26, 345-52	1.4	20
75	Determinants of paraspinal muscle cross-sectional area in male monozygotic twins. *Physical Therapy*, **1998**, 78, 602-10; discussion 611-2	3.3	20
74	Factors influencing results of functional capacity evaluations in workers' compensation claimants with low back pain. *Physical Therapy*, **2005**, 85, 315-22	3.3	20
73	Lumbar spinal stenosis is a highly genetic condition partly mediated by disc degeneration. *Arthritis and Rheumatology*, **2014**, 66, 3505-10	9.5	19
72	Genetics of disc-related disorders: current findings and lessons from other complex diseases. *European Spine Journal*, **2014**, 23 Suppl 3, S354-63	2.7	19
71	The sedimentation sign for differential diagnosis of lumbar spinal stenosis. *Spine*, **2013**, 38, 827-31	3.3	19
70	Candidate gene association study of magnetic resonance imaging-based hip osteoarthritis (OA): evidence for COL9A2 gene as a common predisposing factor for hip OA and lumbar disc degeneration. *Journal of Rheumatology*, **2011**, 38, 747-52	4.1	18
69	A short-form functional capacity evaluation predicts time to recovery but not sustained return-to-work. *Journal of Occupational Rehabilitation*, **2010**, 20, 387-93	3.6	17
68	The prevalence and characteristics of thoracic magnetic resonance imaging findings in men. *Spine*, **2008**, 33, 2552-9	3.3	16

67	The relation of social support and depression in patients with chronic low back pain. *Disability and Rehabilitation*, **2017**, 39, 1482-1488	2.4	15
66	Preliminary validation of a self-reported screening questionnaire for inflammatory back pain. *Journal of Rheumatology*, **2012**, 39, 822-9	4.1	15
65	Comparison of foot and hand reaction times among men: a methodologic study using simple and multiple-choice repeated measurements. *Perceptual and Motor Skills*, **1995**, 80, 1243-9	2.2	15
64	Vascularization of the human intervertebral disc: A scoping review. *JOR Spine*, **2020**, 3, e1123	3.7	14
63	Do clinicians working within the same context make consistent return-to-work recommendations?. *Journal of Occupational Rehabilitation*, **2010**, 20, 367-77	3.6	14
62	The association between occupational loading and spine degeneration on imaging - a systematic review and meta-analysis. *BMC Musculoskeletal Disorders*, **2019**, 20, 489	2.8	13
61	A cluster randomized clinical trial comparing functional capacity evaluation and functional interviewing as components of occupational rehabilitation programs. *Journal of Occupational Rehabilitation*, **2014**, 24, 617-30	3.6	13
60	The effect of lumbar flexion and extension on disc contour abnormality measured quantitatively on magnetic resonance imaging. *Spine*, **2006**, 31, 2836-42	3.3	13
59	The roles of adulthood behavioural factors and familial influences in bone density among men. *Annals of Medicine*, **2002**, 34, 434-43	1.5	13
58	Visual and quantitative assessment of lateral lumbar spinal canal stenosis with magnetic resonance imaging. *Acta Radiologica*, **2011**, 52, 1024-31	2	12
57	Genetic and constitutional influences on bone turnover markers: a study of male twin pairs. *Calcified Tissue International*, **2007**, 80, 81-8	3.9	12
56	. *Spine*, **2003**, 28, 582-588	3.3	12
55	A new quantitative measure of disc degeneration. *Spine Journal*, **2017**, 17, 746-753	4	11
54	Are performance-based functional assessments superior to semistructured interviews for enhancing return-to-work outcomes?. *Archives of Physical Medicine and Rehabilitation*, **2014**, 95, 807-815.e1	2.8	11
53	Prospective Comparison of Changes in Lumbar Spine MRI Findings over Time between Individuals with Acute Low Back Pain and Controls: An Exploratory Study. *American Journal of Neuroradiology*, **2017**, 38, 1826-1832	4.4	11
52	The predictive role of bone turnover markers for BMD in middle-aged men. *Aging Male*, **2006**, 9, 97-102	2.1	11
51	Methodology for evaluating predictive factors for the report of back injury. *Spine*, **1991**, 16, 669-70	3.3	11
50	Lumbar vertebral endplate defects on magnetic resonance images: prevalence, distribution patterns, and associations with back pain. *Spine Journal*, **2020**, 20, 352-360	4	11

49	Is the location of the signal intensity weighted centroid a reliable measurement of fluid displacement within the disc?. *Biomedizinische Technik*, **2018**, 63, 453-460	1.3	10
48	Population-averaged MRI atlases for automated image processing and assessments of lumbar paraspinal muscles. *European Spine Journal*, **2018**, 27, 2442-2448	2.7	10
47	Long-term evaluation of a Canadian back pain mass media campaign. *European Spine Journal*, **2017**, 26, 2467-2474	2.7	10
46	The role of back injury or trauma in lumbar disc degeneration: an exposure-discordant twin study. *Spine*, **2010**, 35, 1925-9	3.3	10
45	Determinants of psychomotor speed among 61 pairs of adult male monozygotic twins. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **1998**, 53, M228-34	6.4	9
44	The reliability of measurements of the lumbar spine using ultrasound B-scan. *Spine*, **1986**, 11, 144-8	3.3	9
43	The distribution of bone mass in the lumbar vertebrae: are we measuring the right target?. *Spine Journal*, **2015**, 15, 2412-6	4	8
42	Measuring participation in patients with chronic back pain-the 5-Item Pain Disability Index. *Spine Journal*, **2018**, 18, 307-313	4	8
41	LUMBAR DISC DEGENERATION. *Journal of Bone and Joint Surgery - Series A*, **2006**, 88, 3-9	5.6	8
40	Pathoanatomical characteristics of clinical lumbar spinal stenosis. *Journal of Back and Musculoskeletal Rehabilitation*, **2014**, 27, 223-9	1.4	7
39	Preplacement worker testing and selection considerations. *Ergonomics*, **1987**, 30, 249-51	2.9	7
38	Low back pain rehabilitation in 2020: new frontiers and old limits of our understanding. *European Journal of Physical and Rehabilitation Medicine*, **2020**, 56, 212-219	4.4	7
37	MRI evaluation of the effects of extension exercises on the disc fluid content and location of the centroid of the fluid distribution. *Musculoskeletal Science and Practice*, **2018**, 33, 67-70	2.4	6
36	Methodology and cohort profile for the Hangzhou Lumbar Spine Study: a study focusing on back health in a Chinese population. *Journal of Zhejiang University: Science B*, **2018**, 19, 547-558	4.5	6
35	Commentary: back pain epidemiology--the challenge of case definition and developing new ideas. *Spine Journal*, **2012**, 12, 71-2	4	6
34	Vertebral endplate defects: nomenclature, classification and measurement methods: a scoping review. *European Spine Journal*, **2020**, 29, 1397-1409	2.7	5
33	Reliability and validity of lumbar disc height quantification methods using magnetic resonance images. *Biomedizinische Technik*, **2019**, 64, 111-117	1.3	5
32	Aerobic fitness and its measurement. *Spine*, **1991**, 16, 677-8	3.3	5

31	The effect of lifelong exercise on psychomotor reaction time: a study of 38 pairs of male monozygotic twins. *Medicine and Science in Sports and Exercise*, **1998**, 30, 1445-1450	1.2	5
30	Innervation of the Human Intervertebral Disc: A Scoping Review. *Pain Medicine*, **2021**, 22, 1281-1304	2.8	5
29	Cranio-caudal asymmetries in trabecular architecture reflect vertebral fracture patterns. *Bone*, **2017**, 95, 102-107	4.7	4
28	Epidemiology of Lumbar Disc Degeneration **2014**, 139-156		4
27	Anthropometrics and biochemical markers in men. *Journal of Clinical Densitometry*, **2005**, 8, 222-7	3.5	4
26	The effects of a medical care utilization review program on back and neck injury claims. *Journal of Occupational and Environmental Medicine*, **2002**, 44, 365-71	2	4
25	A comparison of two methods to evaluate a narrow spinal canal: routine magnetic resonance imaging versus three-dimensional reconstruction. *Spine Journal*, **2016**, 16, 884-8	4	4
24	Paraspinal muscle imaging measurements for common spinal disorders: review and consensus-based recommendations from the ISSLS degenerative spinal phenotypes group. *European Spine Journal*, **2021**, 30, 3428-3441	2.7	4
23	Occupational loading may not affect the association between vertebral trabecular bone and intervertebral disc narrowing. *Bone*, **2013**, 57, 375-6	4.7	3
22	Re: Virtanen IM, Karppinen J, Taimela S, et al. Occupational and genetic risk factors associated with intervertebral disc disease. Spine 2007;32:1129-34. *Spine*, **2007**, 32, 2926; author reply 2926-7	3.3	3
21	Could compression and traction loading improve the ability of magnetic resonance imaging to identify findings related to low back pain?. *Musculoskeletal Science and Practice*, **2020**, 50, 102250	2.4	3
20	Lifestyle and lifetime occupational exposures may not play a role in the pathogenesis of Modic changes on the lumbar spine MR images. *Spine Journal*, **2020**, 20, 94-100	4	3
19	Modic Changes in the Lumbar Spine are Common Aging-related Degenerative Findings that Parallel With Disk Degeneration. *Clinical Spine Surgery*, **2018**, 31, 312-317	1.8	3
18	The role of genetics and environment in lifting force and isometric trunk extensor endurance. *Physical Therapy*, **2004**, 84, 608-21	3.3	3
17	MRI-based hip cartilage measures in osteoarthritic and non-osteoarthritic individuals: a systematic review. *RMD Open*, **2017**, 3, e000358	5.9	2
16	Response to Vertebral fracture and intervertebral discs *Journal of Bone and Mineral Research*, **2012**, 27, 1433-1434	6.3	2
15	Automatic Paraspinal Muscle Segmentation in Patients with Lumbar Pathology Using Deep Convolutional Neural Network. *Lecture Notes in Computer Science*, **2019**, 318-325	0.9	2
14	Opportunities and challenges around adapting supported employment interventions for people with chronic low back pain: modified nominal group technique. *Disability and Rehabilitation*, **2021**, 43, 2750-2757	2.4	2

13	Statistical morphological analysis reveals characteristic paraspinal muscle asymmetry in unilateral lumbar disc herniation. *Scientific Reports*, **2021**, 11, 15576	4.9	2
12	Stop Using the Modified Work APGAR to Measure Job Satisfaction. *Pain Research and Treatment*, **2011**, 2011, 406235	1.9	1
11	Differences in psychomotor reaction time in male monozygotic twins discordant for lifetime cigarette smoking. *Perceptual and Motor Skills*, **1996**, 83, 1219-25	2.2	1
10	Differences in hand and foot psychomotor speed among 18 pairs of monozygotic twins discordant for lifelong vehicular driving. *International Archives of Occupational and Environmental Health*, **1997**, 70, 277-81	3.2	1
9	Determinants of changes in bone density: a 5-year follow-up study of adult male monozygotic twins. *Journal of Clinical Densitometry*, **2007**, 10, 408-14	3.5	1
8	The effects of axial loading on the morphometric and T characteristics of lumbar discs in relation to disc degeneration. *Clinical Biomechanics*, **2021**, 83, 105291	2.2	1
7	What Motivates Engagement in Work and Other Valued Social Roles Despite Persistent Back Pain?. *Journal of Occupational Rehabilitation*, **2020**, 30, 466-474	3.6	0
6	Traumatic vertebra and endplate fractures promote adjacent disc degeneration: evidence from a clinical MR follow-up study. *Skeletal Radiology*, **2021**, 1	2.7	0
5	The association between vertebral endplate structural defects and back pain: a systematic review and meta-analysis. *European Spine Journal*, **2021**, 30, 2531-2548	2.7	0
4	In response. *Spine*, **2013**, 38, 969	3.3	
3	In response. *Spine*, **2013**, 38, 94-5	3.3	
2	Risk indicators for severe upper or mid back pain in men. *Spine*, **2011**, 36, E326-33	3.3	
1	Use of machine learning to select texture features in investigating the effects of axial loading on T-maps from magnetic resonance imaging of the lumbar discs. *European Spine Journal*, **2021**, 1	2.7	