

Michele C Battie

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Traumatic vertebra and endplate fractures promote adjacent disc degeneration: evidence from a clinical MR follow-up study. <i>Skeletal Radiology</i> , 2021 , 1	2.7	0
173	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. <i>European Spine Journal</i> , 2021 , 1	2.7	
172	Opportunities and challenges around adapting supported employment interventions for people with chronic low back pain: modified nominal group technique. <i>Disability and Rehabilitation</i> , 2021 , 43, 2750-2757	2.4	2
171	The effects of axial loading on the morphometric and T characteristics of lumbar discs in relation to disc degeneration. <i>Clinical Biomechanics</i> , 2021 , 83, 105291	2.2	1
170	The association between vertebral endplate structural defects and back pain: a systematic review and meta-analysis. <i>European Spine Journal</i> , 2021 , 30, 2531-2548	2.7	0
169	Innervation of the Human Intervertebral Disc: A Scoping Review. <i>Pain Medicine</i> , 2021 , 22, 1281-1304	2.8	5
168	Statistical morphological analysis reveals characteristic paraspinal muscle asymmetry in unilateral lumbar disc herniation. <i>Scientific Reports</i> , 2021 , 11, 15576	4.9	2
167	Paraspinal muscle imaging measurements for common spinal disorders: review and consensus-based recommendations from the ISSLS degenerative spinal phenotypes group. <i>European Spine Journal</i> , 2021 , 30, 3428-3441	2.7	4
166	Vascularization of the human intervertebral disc: A scoping review. <i>JOR Spine</i> , 2020 , 3, e1123	3.7	14
165	What Motivates Engagement in Work and Other Valued Social Roles Despite Persistent Back Pain?. <i>Journal of Occupational Rehabilitation</i> , 2020 , 30, 466-474	3.6	0
164	Vertebral endplate defects: nomenclature, classification and measurement methods: a scoping review. <i>European Spine Journal</i> , 2020 , 29, 1397-1409	2.7	5
163	Low back pain rehabilitation in 2020: new frontiers and old limits of our understanding. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2020 , 56, 212-219	4.4	7
162	Lumbar vertebral endplate defects on magnetic resonance images: prevalence, distribution patterns, and associations with back pain. <i>Spine Journal</i> , 2020 , 20, 352-360	4	11
161	Could compression and traction loading improve the ability of magnetic resonance imaging to identify findings related to low back pain?. <i>Musculoskeletal Science and Practice</i> , 2020 , 50, 102250	2.4	3
160	Lifestyle and lifetime occupational exposures may not play a role in the pathogenesis of Modic changes on the lumbar spine MR images. <i>Spine Journal</i> , 2020 , 20, 94-100	4	3
159	Measuring and reporting of vertebral endplate bone marrow lesions as seen on MRI (Modic changes): recommendations from the ISSLS Degenerative Spinal Phenotypes Group. <i>European Spine Journal</i> , 2019 , 28, 2266-2274	2.7	26
158	Reliability and validity of lumbar disc height quantification methods using magnetic resonance images. <i>Biomedizinische Technik</i> , 2019 , 64, 111-117	1.3	5

157	The association between occupational loading and spine degeneration on imaging - a systematic review and meta-analysis. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 489	2.8	13
156	Automatic Paraspinal Muscle Segmentation in Patients with Lumbar Pathology Using Deep Convolutional Neural Network. <i>Lecture Notes in Computer Science</i> , 2019 , 318-325	0.9	2
155	Degenerative Disc Disease: What is in a Name?. <i>Spine</i> , 2019 , 44, 1523-1529	3.3	27
154	MRI evaluation of the effects of extension exercises on the disc fluid content and location of the centroid of the fluid distribution. <i>Musculoskeletal Science and Practice</i> , 2018 , 33, 67-70	2.4	6
153	Measuring participation in patients with chronic back pain-the 5-Item Pain Disability Index. <i>Spine Journal</i> , 2018 , 18, 307-313	4	8
152	Lumbar Vertebral Endplate Defects on Magnetic Resonance Images: Classification, Distribution Patterns, and Associations with Modic Changes and Disc Degeneration. <i>Spine</i> , 2018 , 43, 919-927	3.3	25
151	Is the location of the signal intensity weighted centroid a reliable measurement of fluid displacement within the disc?. <i>Biomedizinische Technik</i> , 2018 , 63, 453-460	1.3	10
150	Population-averaged MRI atlases for automated image processing and assessments of lumbar paraspinal muscles. <i>European Spine Journal</i> , 2018 , 27, 2442-2448	2.7	10
149	Methodology and cohort profile for the Hangzhou Lumbar Spine Study: a study focusing on back health in a Chinese population. <i>Journal of Zhejiang University: Science B</i> , 2018 , 19, 547-558	4.5	6
148	Structural vertebral endplate nomenclature and etiology: a study by the ISSLS Spinal Phenotype Focus Group. <i>European Spine Journal</i> , 2018 , 27, 2-12	2.7	26
147	Low back pain. <i>Nature Reviews Disease Primers</i> , 2018 , 4, 52	51.1	118
146	Modic Changes in the Lumbar Spine are Common Aging-related Degenerative Findings that Parallel With Disk Degeneration. <i>Clinical Spine Surgery</i> , 2018 , 31, 312-317	1.8	3
145	Cranio-caudal asymmetries in trabecular architecture reflect vertebral fracture patterns. <i>Bone</i> , 2017 , 95, 102-107	4.7	4
144	A new quantitative measure of disc degeneration. <i>Spine Journal</i> , 2017 , 17, 746-753	4	11
143	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. <i>European Spine Journal</i> , 2017 , 26, 1374-1383	2.7	72
142	MRI-based hip cartilage measures in osteoarthritic and non-osteoarthritic individuals: a systematic review. <i>RMD Open</i> , 2017 , 3, e000358	5.9	2
141	Association between paraspinal muscle morphology, clinical symptoms and functional status in patients with lumbar spinal stenosis. <i>European Spine Journal</i> , 2017 , 26, 2543-2551	2.7	45
140	Prospective Comparison of Changes in Lumbar Spine MRI Findings over Time between Individuals with Acute Low Back Pain and Controls: An Exploratory Study. <i>American Journal of Neuroradiology</i> , 2017 , 38, 1826-1832	4.4	11

139	Long-term evaluation of a Canadian back pain mass media campaign. <i>European Spine Journal</i> , 2017 , 26, 2467-2474	2.7	10
138	The relation of social support and depression in patients with chronic low back pain. <i>Disability and Rehabilitation</i> , 2017 , 39, 1482-1488	2.4	15
137	ISSLS Prize Winner: Consensus on the Clinical Diagnosis of Lumbar Spinal Stenosis: Results of an International Delphi Study. <i>Spine</i> , 2016 , 41, 1239-1246	3.3	71
136	Paraspinal muscle asymmetry and fat infiltration in patients with symptomatic disc herniation. <i>European Spine Journal</i> , 2016 , 25, 1452-1459	2.7	58
135	A comparison of two methods to evaluate a narrow spinal canal: routine magnetic resonance imaging versus three-dimensional reconstruction. <i>Spine Journal</i> , 2016 , 16, 884-8	4	4
134	The distribution of bone mass in the lumbar vertebrae: are we measuring the right target?. <i>Spine Journal</i> , 2015 , 15, 2412-6	4	8
133	Do variations in paraspinal muscle morphology and composition predict low back pain in men?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, 880-7	4.6	36
132	Aging changes in lumbar discs and vertebrae and their interaction: a 15-year follow-up study. <i>Spine Journal</i> , 2014 , 14, 469-78	4	26
131	A cluster randomized clinical trial comparing functional capacity evaluation and functional interviewing as components of occupational rehabilitation programs. <i>Journal of Occupational Rehabilitation</i> , 2014 , 24, 617-30	3.6	13
130	Are performance-based functional assessments superior to semistructured interviews for enhancing return-to-work outcomes?. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014 , 95, 807-815. ^{2,8}	2.8	11
129	Epidemiology of Lumbar Disc Degeneration 2014 , 139-156		4
128	Lumbar spinal stenosis is a highly genetic condition partly mediated by disc degeneration. <i>Arthritis and Rheumatology</i> , 2014 , 66, 3505-10	9.5	19
127	Pathoanatomical characteristics of clinical lumbar spinal stenosis. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2014 , 27, 223-9	1.4	7
126	Paraspinal muscle morphology and composition: a 15-yr longitudinal magnetic resonance imaging study. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 893-901	1.2	100
125	Longitudinal construct validity and responsiveness of measures of walking capacity in individuals with lumbar spinal stenosis. <i>Spine Journal</i> , 2014 , 14, 1936-43	4	20
124	Depression as a prognostic factor of lumbar spinal stenosis: a systematic review. <i>Spine Journal</i> , 2014 , 14, 837-46	4	59
123	Disc degeneration-related clinical phenotypes. <i>European Spine Journal</i> , 2014 , 23 Suppl 3, S305-14	2.7	20
122	Genetics of disc-related disorders: current findings and lessons from other complex diseases. <i>European Spine Journal</i> , 2014 , 23 Suppl 3, S354-63	2.7	19

121	Regional variations in trabecular architecture of the lumbar vertebra: associations with age, disc degeneration and disc space narrowing. <i>Bone</i> , 2013 , 56, 249-54	4.7	21
120	Occupational loading may not affect the association between vertebral trabecular bone and intervertebral disc narrowing. <i>Bone</i> , 2013 , 57, 375-6	4.7	3
119	Morphometrics and lesions of vertebral end plates are associated with lumbar disc degeneration: evidence from cadaveric spines. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013 , 95, e26	5.6	25
118	Factors associated with paraspinal muscle asymmetry in size and composition in a general population sample of men. <i>Physical Therapy</i> , 2013 , 93, 1540-50	3.3	50
117	The sedimentation sign for differential diagnosis of lumbar spinal stenosis. <i>Spine</i> , 2013 , 38, 827-31	3.3	19
116	Predictors of objectively measured walking capacity in people with degenerative lumbar spinal stenosis. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2013 , 26, 345-52	1.4	20
115	Physical therapy interventions for degenerative lumbar spinal stenosis: a systematic review. <i>Physical Therapy</i> , 2013 , 93, 1646-60	3.3	40
114	In response. <i>Spine</i> , 2013 , 38, 969	3.3	
113	In response. <i>Spine</i> , 2013 , 38, 94-5	3.3	
112	Health-related quality of life and comorbidities associated with lumbar spinal stenosis. <i>Spine Journal</i> , 2012 , 12, 189-95	4	39
111	Commentary: back pain epidemiology--the challenge of case definition and developing new ideas. <i>Spine Journal</i> , 2012 , 12, 71-2	4	6
110	Modic changes: prevalence, distribution patterns, and association with age in white men. <i>Spine Journal</i> , 2012 , 12, 411-6	4	60
109	Is level- and side-specific multifidus asymmetry a marker for lumbar disc pathology?. <i>Spine Journal</i> , 2012 , 12, 932-9	4	79
108	A morphological study of lumbar vertebral endplates: radiographic, visual and digital measurements. <i>European Spine Journal</i> , 2012 , 21, 2316-23	2.7	40
107	Response to Vertebral fracture and intervertebral discs. <i>Journal of Bone and Mineral Research</i> , 2012 , 27, 1433-1434	6.3	2
106	Preliminary validation of a self-reported screening questionnaire for inflammatory back pain. <i>Journal of Rheumatology</i> , 2012 , 39, 822-9	4.1	15
105	Quantitative paraspinal muscle measurements: inter-software reliability and agreement using OsiriX and ImageJ. <i>Physical Therapy</i> , 2012 , 92, 853-64	3.3	97
104	ISSLS prize winner: Lumbar vertebral endplate lesions: associations with disc degeneration and back pain history. <i>Spine</i> , 2012 , 37, 1490-6	3.3	140

103	Lumbar vertebral endplate lesions: prevalence, classification, and association with age. <i>Spine</i> , 2012 , 37, 1432-9	3.3	86
102	The osseous endplates in lumbar vertebrae: thickness, bone mineral density and their associations with age and disk degeneration. <i>Bone</i> , 2011 , 48, 804-9	4.7	69
101	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. <i>Journal of Rheumatology</i> , 2011 , 38, 747-52	4.1	18
100	Stop Using the Modified Work APGAR to Measure Job Satisfaction. <i>Pain Research and Treatment</i> , 2011 , 2011, 406235	1.9	1
99	Quantitative measures of modic changes in lumbar spine magnetic resonance imaging: intra- and inter-rater reliability. <i>Spine</i> , 2011 , 36, 1236-43	3.3	39
98	Risk indicators for severe upper or mid back pain in men. <i>Spine</i> , 2011 , 36, E326-33	3.3	
97	Substantial asymmetry in paraspinal muscle cross-sectional area in healthy adults questions its value as a marker of low back pain and pathology. <i>Spine</i> , 2011 , 36, 2152-7	3.3	59
96	Is greater lumbar vertebral BMD associated with more disk degeneration? A study using µCT and discography. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 2785-91	6.3	28
95	Visual and quantitative assessment of lateral lumbar spinal canal stenosis with magnetic resonance imaging. <i>Acta Radiologica</i> , 2011 , 52, 1024-31	2	12
94	Physical therapy treatment options for lumbar spinal stenosis. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2010 , 23, 31-7	1.4	25
93	Challenging the cumulative injury model: positive effects of greater body mass on disc degeneration. <i>Spine Journal</i> , 2010 , 10, 26-31	4	45
92	Validity and reproducibility of self-report measures of walking capacity in lumbar spinal stenosis. <i>Spine</i> , 2010 , 35, 2097-102	3.3	55
91	Evaluation of a Canadian back pain mass media campaign. <i>Spine</i> , 2010 , 35, 906-13	3.3	43
90	The role of back injury or trauma in lumbar disc degeneration: an exposure-discordant twin study. <i>Spine</i> , 2010 , 35, 1925-9	3.3	10
89	Do clinicians working within the same context make consistent return-to-work recommendations?. <i>Journal of Occupational Rehabilitation</i> , 2010 , 20, 367-77	3.6	14
88	A short-form functional capacity evaluation predicts time to recovery but not sustained return-to-work. <i>Journal of Occupational Rehabilitation</i> , 2010 , 20, 387-93	3.6	17
87	Allelic variants of IL1R1 gene associate with severe hand osteoarthritis. <i>BMC Medical Genetics</i> , 2010 , 11, 50	2.1	40
86	Associations of 25 structural, degradative, and inflammatory candidate genes with lumbar disc desiccation, bulging, and height narrowing. <i>Arthritis and Rheumatism</i> , 2009 , 60, 470-81		101

85	High-quality controlled trials on preventing episodes of back problems: systematic literature review in working-age adults. <i>Spine Journal</i> , 2009 , 9, 147-68	4	98
84	The Twin Spine Study: contributions to a changing view of disc degeneration. <i>Spine Journal</i> , 2009 , 9, 47-59		250
83	A criterion measure of walking capacity in lumbar spinal stenosis and its comparison with a treadmill protocol. <i>Spine</i> , 2009 , 34, 2444-9	3.3	63
82	The reliability of paraspinal muscles composition measurements using routine spine MRI and their association with back function. <i>Manual Therapy</i> , 2008 , 13, 349-56		34
81	The Patient-Specific Functional Scale: validity in workers' compensation claimants. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008 , 89, 1294-9	2.8	33
80	Quantitative measurement of intervertebral disc signal using MRI. <i>Clinical Radiology</i> , 2008 , 63, 252-5	2.9	25
79	Heritability of lumbar flexibility and the role of disc degeneration and body weight. <i>Journal of Applied Physiology</i> , 2008 , 104, 379-85	3.7	35
78	Age- and pathology-specific measures of disc degeneration. <i>Spine</i> , 2008 , 33, 2781-8	3.3	40
77	Genetic and environmental effects on disc degeneration by phenotype and spinal level: a multivariate twin study. <i>Spine</i> , 2008 , 33, 2801-8	3.3	145
76	The prevalence and characteristics of thoracic magnetic resonance imaging findings in men. <i>Spine</i> , 2008 , 33, 2552-9	3.3	16
75	Progression and determinants of quantitative magnetic resonance imaging measures of lumbar disc degeneration: a five-year follow-up of adult male monozygotic twins. <i>Spine</i> , 2008 , 33, 1484-90	3.3	65
74	Heritability of BMD of femoral neck and lumbar spine: a multivariate twin study of Finnish men. <i>Journal of Bone and Mineral Research</i> , 2007 , 22, 1455-62	6.3	45
73	Genetic and constitutional influences on bone turnover markers: a study of male twin pairs. <i>Calcified Tissue International</i> , 2007 , 80, 81-8	3.9	12
72	Evaluation of a short-form functional capacity evaluation: less may be best. <i>Journal of Occupational Rehabilitation</i> , 2007 , 17, 422-35	3.6	34
71	Construct validity of the physical function scale of the Swiss Spinal Stenosis Questionnaire for the measurement of walking capacity. <i>Spine</i> , 2007 , 32, 1896-901	3.3	27
70	The effects of anthropometrics, lifting strength, and physical activities in disc degeneration. <i>Spine</i> , 2007 , 32, 1406-13	3.3	64
69	Re: Virtanen IM, Karppinen J, Taimela S, et al. Occupational and genetic risk factors associated with intervertebral disc disease. <i>Spine</i> 2007;32:1129-34. <i>Spine</i> , 2007 , 32, 2926; author reply 2926-7	3.3	3
68	Heritability of low back pain and the role of disc degeneration. <i>Pain</i> , 2007 , 131, 272-280	8	179

67	Determinants of changes in bone density: a 5-year follow-up study of adult male monozygotic twins. <i>Journal of Clinical Densitometry</i> , 2007 , 10, 408-14	3.5	1
66	Does functional capacity evaluation predict recovery in workers' compensation claimants with upper extremity disorders?. <i>Occupational and Environmental Medicine</i> , 2006 , 63, 404-10	2.1	44
65	Lumbar disc degeneration: epidemiology and genetics. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006 , 88 Suppl 2, 3-9	5.6	212
64	The predictive role of bone turnover markers for BMD in middle-aged men. <i>Aging Male</i> , 2006 , 9, 97-102	2.1	11
63	Material handling performance of patients with chronic low back pain during functional capacity evaluation: a comparison between three countries. <i>Disability and Rehabilitation</i> , 2006 , 28, 1143-9	2.4	23
62	The effect of lumbar flexion and extension on disc contour abnormality measured quantitatively on magnetic resonance imaging. <i>Spine</i> , 2006 , 31, 2836-42	3.3	13
61	Determinants of the progression in lumbar degeneration: a 5-year follow-up study of adult male monozygotic twins. <i>Spine</i> , 2006 , 31, 671-8	3.3	103
60	Prevalence and characteristics of upper or mid-back pain in Finnish men. <i>Spine</i> , 2006 , 31, 1846-9	3.3	29
59	A population-based survey of back pain beliefs in Canada. <i>Spine</i> , 2006 , 31, 2142-5	3.3	97
58	Development and validation of a short-form functional capacity evaluation for use in claimants with low back disorders. <i>Journal of Occupational Rehabilitation</i> , 2006 , 16, 53-62	3.6	22
57	LUMBAR DISC DEGENERATION. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006 , 88, 3-9	5.6	8
56	Anthropometrics and biochemical markers in men. <i>Journal of Clinical Densitometry</i> , 2005 , 8, 222-7	3.5	4
55	Work-related recovery expectations and the prognosis of chronic low back pain within a workers' compensation setting. <i>Journal of Occupational and Environmental Medicine</i> , 2005 , 47, 428-33	2	51
54	Predicting timely recovery and recurrence following multidisciplinary rehabilitation in patients with compensated low back pain. <i>Spine</i> , 2005 , 30, 235-40	3.3	38
53	Functional capacity evaluation performance does not predict sustained return to work in claimants with chronic back pain. <i>Journal of Occupational Rehabilitation</i> , 2005 , 15, 285-94	3.6	53
52	Isometric back extension endurance testing: reasons for test termination. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2005 , 35, 437-42	4.2	30
51	Factors influencing results of functional capacity evaluations in workers' compensation claimants with low back pain. <i>Physical Therapy</i> , 2005 , 85, 315-22	3.3	20
50	A comparison of pressure pain detection thresholds in people with chronic low back pain and volunteers without pain. <i>Physical Therapy</i> , 2005 , 85, 1085-92	3.3	28

49	Relative roles of heredity and physical activity in adolescence and adulthood on blood pressure. <i>Journal of Applied Physiology</i> , 2004 , 97, 1046-52	3.7	22
48	Lumbar disc degeneration: epidemiology and genetic influences. <i>Spine</i> , 2004 , 29, 2679-90	3.3	342
47	The prognostic value of functional capacity evaluation in patients with chronic low back pain: part 2: sustained recovery. <i>Spine</i> , 2004 , 29, 920-4	3.3	38
46	The prognostic value of functional capacity evaluation in patients with chronic low back pain: part 1: timely return to work. <i>Spine</i> , 2004 , 29, 914-9	3.3	70
45	The role of genetics and environment in lifting force and isometric trunk extensor endurance. <i>Physical Therapy</i> , 2004 , 84, 608-21	3.3	3
44	Multivariate genetic analysis of lifetime exercise and environmental factors. <i>Medicine and Science in Sports and Exercise</i> , 2004 , 36, 1559-66	1.2	23
43	. <i>Spine</i> , 2003 , 28, 582-588	3.3	12
42	Associations between back pain history and lumbar MRI findings. <i>Spine</i> , 2003 , 28, 582-8	3.3	133
41	Construct validity of a kinesiophysical functional capacity evaluation administered within a worker's compensation environment. <i>Journal of Occupational Rehabilitation</i> , 2003 , 13, 287-95	3.6	47
40	The effects of a medical care utilization review program on back and neck injury claims. <i>Journal of Occupational and Environmental Medicine</i> , 2002 , 44, 365-71	2	4
39	The roles of adulthood behavioural factors and familial influences in bone density among men. <i>Annals of Medicine</i> , 2002 , 34, 434-43	1.5	13
38	Occupational driving and lumbar disc degeneration: a case-control study. <i>Lancet, The</i> , 2002 , 360, 1369-74	4.0	94
37	Reliability of safe maximum lifting determinations of a functional capacity evaluation. <i>Physical Therapy</i> , 2002 , 82, 364-71	3.3	44
36	The relative roles of intragenic polymorphisms of the vitamin d receptor gene in lumbar spine degeneration and bone density. <i>Spine</i> , 2001 , 26, E7-E12	3.3	91
35	Disc degeneration and bone density in monozygotic twins discordant for insulin-dependent diabetes mellitus. <i>Journal of Orthopaedic Research</i> , 2000 , 18, 768-72	3.8	21
34	The long-term effects of rally driving on spinal pathology. <i>Clinical Biomechanics</i> , 2000 , 15, 83-6	2.2	26
33	The influence of occupation on lumbar degeneration. <i>Spine</i> , 1999 , 24, 1164-8	3.3	109
32	A comparison of physical therapy, chiropractic manipulation, and provision of an educational booklet for the treatment of patients with low back pain. <i>New England Journal of Medicine</i> , 1998 , 339, 1021-9	59.2	473

31	Determinants of psychomotor speed among 61 pairs of adult male monozygotic twins. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1998 , 53, M228-34	6.4	9
30	Intragenic polymorphisms of the vitamin D receptor gene associated with intervertebral disc degeneration. <i>Spine</i> , 1998 , 23, 2477-85	3.3	212
29	Outcome measures for low back pain research. A proposal for standardized use. <i>Spine</i> , 1998 , 23, 2003-13	3.3	924
28	Determinants of paraspinal muscle cross-sectional area in male monozygotic twins. <i>Physical Therapy</i> , 1998 , 78, 602-10; discussion 611-2	3.3	20
27	The effect of lifelong exercise on psychomotor reaction time: a study of 38 pairs of male monozygotic twins. <i>Medicine and Science in Sports and Exercise</i> , 1998 , 30, 1445-1450	1.2	5
26	Determinants of isokinetic and psychophysical lifting strength and static back muscle endurance: a study of male monozygotic twins. <i>Spine</i> , 1997 , 22, 2983-90	3.3	24
25	Lumbar mobility in former elite male weight-lifters, soccer players, long-distance runners and shooters. <i>Clinical Biomechanics</i> , 1997 , 12, 325-330	2.2	22
24	Differences in hand and foot psychomotor speed among 18 pairs of monozygotic twins discordant for lifelong vehicular driving. <i>International Archives of Occupational and Environmental Health</i> , 1997 , 70, 277-81	3.2	1
23	Lifetime exercise and disk degeneration: an MRI study of monozygotic twins. <i>Medicine and Science in Sports and Exercise</i> , 1997 , 29, 1350-6	1.2	39
22	Differences in psychomotor reaction time in male monozygotic twins discordant for lifetime cigarette smoking. <i>Perceptual and Motor Skills</i> , 1996 , 83, 1219-25	2.2	1
21	Physical loading and performance as predictors of back pain in healthy adults. A 5-year prospective study. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1996 , 73, 452-8		62
20	Observer variability in the assessment of disc degeneration on magnetic resonance images of the lumbar and thoracic spine. <i>Spine</i> , 1995 , 20, 1029-35	3.3	80
19	Comparison of foot and hand reaction times among men: a methodologic study using simple and multiple-choice repeated measurements. <i>Perceptual and Motor Skills</i> , 1995 , 80, 1243-9	2.2	15
18	Correlations of isokinetic and psychophysical back lift and static back extensor endurance tests in men. <i>Clinical Biomechanics</i> , 1995 , 10, 325-330	2.2	35
17	Magnetic resonance imaging findings and their relationships in the thoracic and lumbar spine. Insights into the etiopathogenesis of spinal degeneration. <i>Spine</i> , 1995 , 20, 928-35	3.3	121
16	The long-term effects of physical loading and exercise lifestyles on back-related symptoms, disability, and spinal pathology among men. <i>Spine</i> , 1995 , 20, 699-709	3.3	190
15	Knee osteoarthritis in former runners, soccer players, weight lifters, and shooters. <i>Arthritis and Rheumatism</i> , 1995 , 38, 539-46		342
14	Managing low back pain: attitudes and treatment preferences of physical therapists. <i>Physical Therapy</i> , 1994 , 74, 219-26	3.3	184

13	Digital assessment of MRI for lumbar disc desiccation. A comparison of digital versus subjective assessments and digital intensity profiles versus discogram and macroanatomic findings. <i>Spine</i> , 1994 , 19, 192-8	3.3	32
12	A prospective evaluation of preemployment screening methods for acute industrial back pain. <i>Spine</i> , 1992 , 17, 922-6	3.3	38
11	Methodology for evaluating predictive factors for the report of back injury. <i>Spine</i> , 1991 , 16, 669-70	3.3	11
10	1991 Volvo Award in Clinical Sciences. <i>Spine</i> , 1991 , 16, 1015-1021	3.3	249
9	A prospective study of work perceptions and psychosocial factors affecting the report of back injury. <i>Spine</i> , 1991 , 16, 1-6	3.3	521
8	Aerobic fitness and its measurement. <i>Spine</i> , 1991 , 16, 677-8	3.3	5
7	Industrial Back Pain Complaints A Broader Perspective. <i>Orthopedic Clinics of North America</i> , 1991 , 22, 273-282	3.5	43
6	The Role of Spinal Flexibility in Back Pain Complaints within Industry. <i>Spine</i> , 1990 , 15, 768-773	3.3	69
5	A prospective study of the role of cardiovascular risk factors and fitness in industrial back pain complaints. <i>Spine</i> , 1989 , 14, 141-7	3.3	94
4	Preplacement worker testing and selection considerations. <i>Ergonomics</i> , 1987 , 30, 249-51	2.9	7
3	Spinal flexibility and individual factors that influence it. <i>Physical Therapy</i> , 1987 , 67, 653-8	3.3	57
2	Isometric Strength Testing. <i>Spine</i> , 1986 , 11, 43-46	3.3	21
1	The reliability of measurements of the lumbar spine using ultrasound B-scan. <i>Spine</i> , 1986 , 11, 144-8	3.3	9