

Michele C Battie

List of Publications by Year in descending order

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Version: 2024-02-01

181
papers

11,835
citations

30070

54
h-index

29157

104
g-index

187
all docs

187
docs citations

187
times ranked

7428
citing authors

#	ARTICLE	IF	CITATIONS
1	Outcome Measures for Low Back Pain Research. <i>Spine</i> , 1998, 23, 2003-2013.	2.0	1,064
2	A Prospective Study of Work Perceptions and Psychosocial Factors Affecting the Report of Back Injury. <i>Spine</i> , 1991, 16, 1-6.	2.0	662
3	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, 1021-1029.	27.0	563
4	Lumbar Disc Degeneration. <i>Spine</i> , 2004, 29, 2679-2690.	2.0	427
5	Knee osteoarthritis in former runners, soccer players, weight lifters, and shooters. <i>Arthritis and Rheumatism</i> , 1995, 38, 539-546.	6.7	390
6	The Twin Spine Study: Contributions to a changing view of disc degeneration. <i>Spine Journal</i> , 2009, 9, 47-59.	1.3	303
7	1991 Volvo Award in Clinical Sciences. <i>Spine</i> , 1991, 16, 1015-1021.	2.0	274
8	Lumbar Disc Degeneration: Epidemiology and Genetics. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 3-9.	3.0	270
9	Low back pain. <i>Nature Reviews Disease Primers</i> , 2018, 4, 52.	30.5	262
10	1998 Volvo Award Winner in Basic Science Studies. <i>Spine</i> , 1998, 23, 2477-2485.	2.0	251
11	Managing Low Back Pain: Attitudes and Treatment Preferences of Physical Therapists. <i>Physical Therapy</i> , 1994, 74, 219-226.	2.4	237
12	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.	2.0	235
13	Heritability of low back pain and the role of disc degeneration. <i>Pain</i> , 2007, 131, 272-280.	4.2	213
14	Genetic and Environmental Effects on Disc Degeneration by Phenotype and Spinal Level. <i>Spine</i> , 2008, 33, 2801-2808.	2.0	189
15	ISSLS Prize Winner. <i>Spine</i> , 2012, 37, 1490-1496.	2.0	186
16	Associations Between Back Pain History and Lumbar MRI Findings. <i>Spine</i> , 2003, 28, 582-588.	2.0	167
17	Magnetic Resonance Imaging Findings and Their Relationships in the Thoracic and Lumbar Spine. <i>Spine</i> , 1995, 20, 928-935.	2.0	160
18	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.	2.2	131

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19	Quantitative Paraspinal Muscle Measurements: Inter-Software Reliability and Agreement Using OsiriX and ImageJ. <i>Physical Therapy</i> , 2012, 92, 853-864.	2.4	130
20	Paraspinal Muscle Morphology and Composition. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 893-901.	0.4	129
21	Spine Update. <i>Spine</i> , 1999, 24, 1164-1168.	2.0	126
22	Associations of 25 structural, degradative, and inflammatory candidate genes with lumbar disc desiccation, bulging, and height narrowing. <i>Arthritis and Rheumatism</i> , 2009, 60, 470-481.	6.7	122
23	High-quality controlled trials on preventing episodes of back problems: systematic literature review in working-age adults. <i>Spine Journal</i> , 2009, 9, 147-168.	1.3	121
24	A Population-Based Survey of Back Pain Beliefs in Canada. <i>Spine</i> , 2006, 31, 2142-2145.	2.0	119
25	Determinants of the Progression in Lumbar Degeneration. <i>Spine</i> , 2006, 31, 671-678.	2.0	116
26	The Relative Roles of Intragenic Polymorphisms of the Vitamin D Receptor Gene in Lumbar Spine Degeneration and Bone Density. <i>Spine</i> , 2001, 26, A1-A6.	2.0	111
27	Lumbar Vertebral Endplate Lesions. <i>Spine</i> , 2012, 37, 1432-1439.	2.0	109
28	A Prospective Study of the Role of Cardiovascular Risk Factors and Fitness in Industrial Back Pain Complaints. <i>Spine</i> , 1989, 14, 141-147.	2.0	106
29	Occupational driving and lumbar disc degeneration: a casecontrol study. <i>Lancet, The</i> , 2002, 360, 1369-1374.	13.7	106
30	The Effects of Anthropometrics, Lifting Strength, and Physical Activities in Disc Degeneration. <i>Spine</i> , 2007, 32, 1406-1413.	2.0	99
31	ISSLS Prize Winner: Consensus on the Clinical Diagnosis of Lumbar Spinal Stenosis. <i>Spine</i> , 2016, 41, 1239-1246.	2.0	98
32	Observer Variability in the Assessment of Disc Degeneration on Magnetic Resonance Images of the Lumbar and Thoracic Spine. <i>Spine</i> , 1995, 20, 1029-1035.	2.0	97
33	Is level- and side-specific multifidus asymmetry a marker for lumbar disc pathology?. <i>Spine Journal</i> , 2012, 12, 932-939.	1.3	97
34	The Prognostic Value of Functional Capacity Evaluation in Patients With Chronic Low Back Pain: Part 1. <i>Spine</i> , 2004, 29, 914-919.	2.0	91
35	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.	2.2	91
36	The Role of Spinal Flexibility in Back Pain Complaints within Industry. <i>Spine</i> , 1990, 15, 768-773.	2.0	88

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37	The osseous endplates in lumbar vertebrae: Thickness, bone mineral density and their associations with age and disk degeneration. <i>Bone</i> , 2011, 48, 804-809.	2.9	85
38	Paraspinal muscle asymmetry and fat infiltration in patients with symptomatic disc herniation. <i>European Spine Journal</i> , 2016, 25, 1452-1459.	2.2	85
39	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, 2152-2157.	2.0	83
40	Depression as a prognostic factor of lumbar spinal stenosis: a systematic review. <i>Spine Journal</i> , 2014, 14, 837-846.	1.3	82
41	Modic changes: prevalence, distribution patterns, and association with age in white men. <i>Spine Journal</i> , 2012, 12, 411-416.	1.3	80
42	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, 452-458.	1.2	79
43	Progression and Determinants of Quantitative Magnetic Resonance Imaging Measures of Lumbar Disc Degeneration. <i>Spine</i> , 2008, 33, 1484-1490.	2.0	78
44	A Criterion Measure of Walking Capacity in Lumbar Spinal Stenosis and Its Comparison With a Treadmill Protocol. <i>Spine</i> , 2009, 34, 2444-2449.	2.0	75
45	Does functional capacity evaluation predict recovery in workers' compensation claimants with upper extremity disorders?. <i>Occupational and Environmental Medicine</i> , 2006, 63, 404-410.	2.8	69
46	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, 285-294.	2.2	67
47	Spinal Flexibility and Individual Factors That Influence It. <i>Physical Therapy</i> , 1987, 67, 653-658.	2.4	64
48	Validity and Reproducibility of Self-report Measures of Walking Capacity in Lumbar Spinal Stenosis. <i>Spine</i> , 2010, 35, 2097-2102.	2.0	63
49	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, 428-433.	1.7	61
50	Vascularization of the human intervertebral disc: A scoping review. <i>JOR Spine</i> , 2020, 3, e1123.	3.2	60
51	Challenging the cumulative injury model: positive effects of greater body mass on disc degeneration. <i>Spine Journal</i> , 2010, 10, 26-31.	1.3	59
52	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, 1455-1462.	2.8	58
53	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, 880-887.	2.9	57
54	Evaluation of a Canadian Back Pain Mass Media Campaign. <i>Spine</i> , 2010, 35, 906-913.	2.0	56

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55	Factors Associated With Paraspinal Muscle Asymmetry in Size and Composition in a General Population Sample of Men. <i>Physical Therapy</i> , 2013, 93, 1540-1550.	2.4	56
56	Physical Therapy Interventions for Degenerative Lumbar Spinal Stenosis: A Systematic Review. <i>Physical Therapy</i> , 2013, 93, 1646-1660.	2.4	56
57	Is greater lumbar vertebral BMD associated with more disk degeneration? A study using μ CT and discography. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2785-2791.	2.8	55
58	Construct validity of a kinesiophysical functional capacity evaluation administered within a worker's compensation environment. <i>Journal of Occupational Rehabilitation</i> , 2003, 13, 287-295.	2.2	54
59	The Prognostic Value of Functional Capacity Evaluation in Patients With Chronic Low Back Pain: Part 2. <i>Spine</i> , 2004, 29, 920-924.	2.0	54
60	A morphological study of lumbar vertebral endplates: radiographic, visual and digital measurements. <i>European Spine Journal</i> , 2012, 21, 2316-2323.	2.2	54
61	Health-related quality of life and comorbidities associated with lumbar spinal stenosis. <i>Spine Journal</i> , 2012, 12, 189-195.	1.3	53
62	Industrial Back Pain Complaints A Broader Perspective. <i>Orthopedic Clinics of North America</i> , 1991, 22, 273-282.	1.2	51
63	Predicting Timely Recovery and Recurrence Following Multidisciplinary Rehabilitation in Patients With Compensated Low Back Pain. <i>Spine</i> , 2005, 30, 235-240.	2.0	50
64	Reliability of safe maximum lifting determinations of a functional capacity evaluation. <i>Physical Therapy</i> , 2002, 82, 364-71.	2.4	47
65	A Prospective Evaluation of Preemployment Screening Methods for Acute Industrial Back Pain. <i>Spine</i> , 1992, 17, 922-926.	2.0	46
66	Quantitative Measures of Modic Changes in Lumbar Spine Magnetic Resonance Imaging. <i>Spine</i> , 2011, 36, 1236-1243.	2.0	45
67	Lumbar Vertebral Endplate Defects on Magnetic Resonance Images. <i>Spine</i> , 2018, 43, 919-927.	2.0	45
68	Evaluation of a Short-form Functional Capacity Evaluation: Less may be Best. <i>Journal of Occupational Rehabilitation</i> , 2007, 17, 422-435.	2.2	43
69	Age- and Pathology-Specific Measures of Disc Degeneration. <i>Spine</i> , 2008, 33, 2781-2788.	2.0	43
70	Allelic variants of IL1R1 gene associate with severe hand osteoarthritis. <i>BMC Medical Genetics</i> , 2010, 11, 50.	2.1	42
71	Degenerative Disc Disease. <i>Spine</i> , 2019, 44, 1523-1529.	2.0	42
72	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, 192-198.	2.0	41

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73	The reliability of paraspinal muscles composition measurements using routine spine MRI and their association with back function. <i>Manual Therapy</i> , 2008, 13, 349-356.	1.6	41
74	Heritability of lumbar flexibility and the role of disc degeneration and body weight. <i>Journal of Applied Physiology</i> , 2008, 104, 379-385.	2.5	41
75	Lifetime exercise and disk degeneration: an MRI study of monozygotic twins. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 1350-1356.	0.4	41
76	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.	2.2	40
77	Isometric Back Extension Endurance Testing: Reasons for Test Termination. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2005, 35, 437-442.	3.5	38
78	The Patient-Specific Functional Scale: Validity in Workers' Compensation Claimants. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1294-1299.	0.9	38
79	Structural vertebral endplate nomenclature and etiology: a study by the ISSLS Spinal Phenotype Focus Group. <i>European Spine Journal</i> , 2018, 27, 2-12.	2.2	38
80	Correlations of isokinetic and psychophysical back lift and static back extensor endurance tests in men. <i>Clinical Biomechanics</i> , 1995, 10, 325-330.	1.2	37
81	Prevalence and Characteristics of Upper or Mid-Back Pain in Finnish Men. <i>Spine</i> , 2006, 31, 1846-1849.	2.0	37
82	Aging changes in lumbar discs and vertebrae and their interaction: a 15-year follow-up study. <i>Spine Journal</i> , 2014, 14, 469-478.	1.3	36
83	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.	2.4	36
84	Construct Validity of the Physical Function Scale of the Swiss Spinal Stenosis Questionnaire for the Measurement of Walking Capacity. <i>Spine</i> , 2007, 32, 1896-1901.	2.0	33
85	Determinants of Isokinetic and Psychophysical Lifting Strength and Static Back Muscle Endurance. <i>Spine</i> , 1997, 22, 2983-2990.	2.0	32
86	Physical therapy treatment options for lumbar spinal stenosis. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2010, 23, 31-37.	1.1	32
87	Innervation of the Human Intervertebral Disc: A Scoping Review. <i>Pain Medicine</i> , 2021, 22, 1281-1304.	1.9	32
88	Quantitative measurement of intervertebral disc signal using MRI. <i>Clinical Radiology</i> , 2008, 63, 252-255.	1.1	31
89	Lumbar vertebral endplate defects on magnetic resonance images: prevalence, distribution patterns, and associations with back pain. <i>Spine Journal</i> , 2020, 20, 352-360.	1.3	31
90	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.	2.2	30

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91	The long-term effects of rally driving on spinal pathology. <i>Clinical Biomechanics</i> , 2000, 15, 83-86.	1.2	29
92	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, 50-59.	2.2	29
93	Regional variations in trabecular architecture of the lumbar vertebra: Associations with age, disc degeneration and disc space narrowing. <i>Bone</i> , 2013, 56, 249-254.	2.9	29
94	Morphometrics and Lesions of Vertebral End Plates Are Associated with Lumbar Disc Degeneration. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, e26.	3.0	29
95	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, 1143-1149.	1.8	27
96	Brief Report: Lumbar Spinal Stenosis Is a Highly Genetic Condition Partly Mediated by Disc Degeneration. <i>Arthritis and Rheumatology</i> , 2014, 66, 3505-3510.	5.6	27
97	Disc degeneration-related clinical phenotypes. <i>European Spine Journal</i> , 2014, 23, 305-314.	2.2	26
98	Isometric Strength Testing. <i>Spine</i> , 1986, 11, 43-46.	2.0	25
99	Disc degeneration and bone density in monozygotic twins discordant for insulin-dependent diabetes mellitus. <i>Journal of Orthopaedic Research</i> , 2000, 18, 768-772.	2.3	25
100	The Sedimentation Sign for Differential Diagnosis of Lumbar Spinal Stenosis. <i>Spine</i> , 2013, 38, 827-831.	2.0	25
101	The relation of social support and depression in patients with chronic low back pain. <i>Disability and Rehabilitation</i> , 2017, 39, 1482-1488.	1.8	25
102	Multivariate genetic analysis of lifetime exercise and environmental factors. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 1559-66.	0.4	25
103	Factors influencing results of functional capacity evaluations in workers' compensation claimants with low back pain. <i>Physical Therapy</i> , 2005, 85, 315-22.	2.4	25
104	Lumbar mobility in former elite male weight-lifters, soccer players, long-distance runners and shooters. <i>Clinical Biomechanics</i> , 1997, 12, 325-330.	1.2	24
105	Relative roles of heredity and physical activity in adolescence and adulthood on blood pressure. <i>Journal of Applied Physiology</i> , 2004, 97, 1046-1052.	2.5	24
106	Predictors of objectively measured walking capacity in people with degenerative lumbar spinal stenosis. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2013, 26, 345-352.	1.1	24
107	Longitudinal construct validity and responsiveness of measures of walking capacity in individuals with lumbar spinal stenosis. <i>Spine Journal</i> , 2014, 14, 1936-1943.	1.3	24
108	Genetics of disc-related disorders: current findings and lessons from other complex diseases. <i>European Spine Journal</i> , 2014, 23, 354-363.	2.2	23

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109	Determinants of Paraspinal Muscle Cross-sectional Area in Male Monozygotic Twins. <i>Physical Therapy</i> , 1998, 78, 602-610.	2.4	22
110	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, 747-752.	2.0	22
111	The Prevalence and Characteristics of Thoracic Magnetic Resonance Imaging Findings in Men. <i>Spine</i> , 2008, 33, 2552-2559.	2.0	20
112	A Short-Form Functional Capacity Evaluation Predicts Time to Recovery but Not Sustained Return-to-Work. <i>Journal of Occupational Rehabilitation</i> , 2010, 20, 387-393.	2.2	20
113	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, 1243-1249.	1.3	19
114	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, 617-630.	2.2	19
115	A new quantitative measure of disc degeneration. <i>Spine Journal</i> , 2017, 17, 746-753.	1.3	18
116	The association between occupational loading and spine degeneration on imaging “a systematic review and meta-analysis. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 489.	1.9	18
117	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.	2.2	18
118	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.e1.	0.9	17
119	The Role of Back Injury or Trauma in Lumbar Disc Degeneration. <i>Spine</i> , 2010, 35, 1925-1929.	2.0	16
120	Do Clinicians Working Within the Same Context Make Consistent Return-to-Work Recommendations?. <i>Journal of Occupational Rehabilitation</i> , 2010, 20, 367-377.	2.2	16
121	Population-averaged MRI atlases for automated image processing and assessments of lumbar paraspinal muscles. <i>European Spine Journal</i> , 2018, 27, 2442-2448.	2.2	16
122	The Effect of Lumbar Flexion and Extension on Disc Contour Abnormality Measured Quantitatively on Magnetic Resonance Imaging. <i>Spine</i> , 2006, 31, 2836-2842.	2.0	15
123	Visual and quantitative assessment of lateral lumbar spinal canal stenosis with magnetic resonance imaging. <i>Acta Radiologica</i> , 2011, 52, 1024-1031.	1.1	15
124	Preliminary Validation of a Self-reported Screening Questionnaire for Inflammatory Back Pain. <i>Journal of Rheumatology</i> , 2012, 39, 822-829.	2.0	15
125	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.	2.4	15
126	The roles of adulthood behavioural factors and familial influences in bone density among men. <i>Annals of Medicine</i> , 2002, 34, 434-443.	3.8	14

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127	Genetic and Constitutional Influences on Bone Turnover Markers: A Study of Male Twin Pairs. <i>Calcified Tissue International</i> , 2007, 80, 81-88.	3.1	14
128	Title is missing!. <i>Spine</i> , 2003, 28, 582-588.	2.0	13
129	Long-term evaluation of a Canadian back pain mass media campaign. <i>European Spine Journal</i> , 2017, 26, 2467-2474.	2.2	13
130	LUMBAR DISC DEGENERATION. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 3-9.	3.0	13
131	Methodology for Evaluation Predictive Factors for the Report of Back Injury. <i>Spine</i> , 1991, 16, 669-670.	2.0	12
132	The predictive role of bone turnover markers for BMD in middle-aged men. <i>Aging Male</i> , 2006, 9, 97-102.	1.9	12
133	Pathoanatomical characteristics of clinical lumbar spinal stenosis. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2014, 27, 223-229.	1.1	12
134	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.	0.8	12
135	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, 53A, M228-M234.	3.6	11
136	The distribution of bone mass in the lumbar vertebrae: are we measuring the right target?. <i>Spine Journal</i> , 2015, 15, 2412-2416.	1.3	11
137	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.	2.8	11
138	Consensus on a standardised treatment pathway algorithm for lumbar spinal stenosis: an international Delphi study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, .	1.9	11
139	Measuring participation in patients with chronic back pain—the 5-Item Pain Disability Index. <i>Spine Journal</i> , 2018, 18, 307-313.	1.3	10
140	Vertebral endplate defects: nomenclature, classification and measurement methods: a scoping review. <i>European Spine Journal</i> , 2020, 29, 1397-1409.	2.2	10
141	Statistical morphological analysis reveals characteristic paraspinal muscle asymmetry in unilateral lumbar disc herniation. <i>Scientific Reports</i> , 2021, 11, 15576.	3.3	10
142	The Reliability of Measurements of the Lumbar Spine Using Ultrasound B-Scan. <i>Spine</i> , 1986, 11, 144-148.	2.0	9
143	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.	1.3	9
144	Automatic Paraspinal Muscle Segmentation in Patients with Lumbar Pathology Using Deep Convolutional Neural Network. <i>Lecture Notes in Computer Science</i> , 2019, , 318-325.	1.3	9

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145	Commentary: Back pain epidemiology—the challenge of case definition and developing new ideas. <i>Spine Journal</i> , 2012, 12, 71-72.	1.3	8
146	Reliability and validity of lumbar disc height quantification methods using magnetic resonance images. <i>Biomedizinische Technik</i> , 2018, 64, 111-117.	0.8	8
147	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.	2.2	8
148	Preplacement worker testing and selection considerations. <i>Ergonomics</i> , 1987, 30, 249-251.	2.1	7
149	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.	1.3	7
150	Traumatic vertebra and endplate fractures promote adjacent disc degeneration: evidence from a clinical MR follow-up study. <i>Skeletal Radiology</i> , 2022, 51, 1017-1026.	2.0	7
151	Aerobic Fitness and Its Measurement. <i>Spine</i> , 1991, 16, 677-678.	2.0	6
152	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, 884-888.	1.3	6
153	Cranio-caudal asymmetries in trabecular architecture reflect vertebral fracture patterns. <i>Bone</i> , 2017, 95, 102-107.	2.9	6
154	Epidemiology of Lumbar Disc Degeneration. , 2014, , 139-156.		5
155	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.	0.4	5
156	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, 365-371.	1.7	4
157	Anthropometrics and Biochemical Markers in Men. <i>Journal of Clinical Densitometry</i> , 2005, 8, 222-227.	1.2	4
158	MRI-based hip cartilage measures in osteoarthritic and non-osteoarthritic individuals: a systematic review. <i>RMD Open</i> , 2017, 3, e000358.	3.8	4
159	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.	1.3	4
160	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.	1.3	4
161	The role of genetics and environment in lifting force and isometric trunk extensor endurance. <i>Physical Therapy</i> , 2004, 84, 608-21.	2.4	4
162	Letters. <i>Spine</i> , 2007, 32, 2926.	2.0	3

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163	Occupational loading may not affect the association between vertebral trabecular bone and intervertebral disc narrowing. <i>Bone</i> , 2013, 57, 375-376.	2.9	3
164	Functional Recovery after Surgery for Lumbar Spinal Stenosis in Patients with Hypertension. <i>Healthcare (Switzerland)</i> , 2020, 8, 503.	2.0	3
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