David W Polly

List of Publications by Year
in descending order

271 papers	14,306 citations	17405 63 h-index	23472 111 g-index
280 all docs	280 docs citations	280 times ranked	9202 citing authors

#	Article	IF	Citations
1	Understanding the minimum clinically important difference: a review of concepts and methods. Spine Journal, 2007, 7, 541-546.	0.6	1,205
2	A Novel Classification System for Spinal Instability in Neoplastic Disease. Spine, 2010, 35, E1221-E1229.	1.0	891
3	Spinal Instability Neoplastic Score: An Analysis of Reliability and Validity From the Spine Oncology Study Group. Journal of Clinical Oncology, 2011, 29, 3072-3077.	0.8	450
4	Rates of Infection After Spine Surgery Based on 108,419 Procedures. Spine, 2011, 36, 556-563.	1.0	345
5	Complications in the Surgical Treatment of 19,360 Cases of Pediatric Scoliosis. Spine, 2011, 36, 1484-1491.	1.0	342
6	In Vivo Accuracy of Thoracic Pedicle Screws. Spine, 2001, 26, 2340-2346.	1.0	339
7	Epidemiology of injuries associated with physical training among young men in the army. Medicine and Science in Sports and Exercise, 1993, 25, 197???203.	0.2	314
8	Defining Substantial Clinical Benefit Following Lumbar Spine Arthrodesis. Journal of Bone and Joint Surgery - Series A, 2008, 90, 1839-1847.	1.4	311
9	How Often Is Low Back Pain Not Coming From the Back?. Spine, 2009, 34, E27-E32.	1.0	287
10	Transforaminal Lumbar Interbody Fusion. Journal of Spinal Disorders and Techniques, 2005, 18, 337-346.	1.8	236
11	Rates of New Neurological Deficit Associated With Spine Surgery Based on 108,419 Procedures. Spine, 2011, 36, 1218-1228.	1.0	221
12	The accuracy of selective magnetic resonance imaging compared with the findings of arthroscopy of the knee.. Journal of Bone and Joint Surgery - Series A, 1988, 70, 192-198.	1.4	213
13	Scoliosis Research Society Morbidity and Mortality of Adult Scoliosis Surgery. Spine, 2011, 36, E593-E597.	1.0	177
14	A Review of Quality of Life and Psychosocial Issues in Scoliosis. Spine, 2006, 31, 3027-3038.	1.0	170
15	Straight-Forward Versus Anatomic Trajectory Technique of Thoracic Pedicle Screw Fixation: A Biomechanical Analysis. Spine, 2003, 28, 2058-2065.	1.0	169
16	Accuracy and Efficacy of Thoracic Pedicle Screws in Curves More Than 90Â°. Spine, 2005, 30, 222-226.	1.0	167
17	Measurement of Lumbar Lordosis. Spine, 1996, 21, 1530-1535.	1.0	159
18	MOS Short Form 36 and Oswestry Disability Index outcomes in lumbar fusion: a multicenter experience. Spine Journal, 2006, 6, 21-26.	0.6	150

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19	Measurement of Thoracic and Lumbar Fracture Kyphosis. Spine, 2001, 26, 61-66.	1.0	145
20	The efficacy of a prophylactic knee brace to reduce knee injuries in football. American Journal of Sports Medicine, 1990, 18, 310-315.	1.9	143
21	The Costs and Benefits of Nonoperative Management for Adult Scoliosis. Spine, 2010, 35, 578-582.	1.0	141
22	Two-Year Outcomes from a Randomized Controlled Trial of Minimally Invasive Sacroiliac Joint Fusion vs. Non-Surgical Management for Sacroiliac Joint Dysfunction. International Journal of Spine Surgery, 2016, 10, 28.	0.7	138
23	The Spinal Appearance Questionnaire. Spine, 2007, 32, 2719-2722.	1.0	137
24	Pediatric Pedicle Screws: Comparative Effectiveness and Safety. Journal of Bone and Joint Surgery - Series A, 2011, 93, 1227-1234.	1.4	131
25	Lower limb morphology and risk of overuse injury among male infantry trainees. Medicine and Science in Sports and Exercise, 1996, 28, 945-952.	0.2	130
26	Total hospital costs of surgical treatment for adult spinal deformity: an extended follow-up study. Spine Journal, 2014, 14, 2326-2333.	0.6	124
27	Rationale Behind the Current State-of-the-Art Treatment of Scoliosis (in the Pedicle Screw Era). Spine, 2008, 33, 1051-1054.	1.0	120
28	Accuracy of Thoracic Pedicle Screws in Patients with and Without Coronal Plane Spinal Deformities. Spine, 2002, 27, 1558-1566.	1.0	119
29	Revision Pedicle Screws. Spine, 1998, 23, 1374-1379.	1.0	113
30	Advantage of Pedicle Screw Fixation Directed Into the Apex of the Sacral Promontory Over Bicortical Fixation. Spine, 2002, 27, 806-811.	1.0	111
31	Surgical Revision Rates of Hooks Versus Hybrid Versus Screws Versus Combined Anteroposterior Spinal Fusion for Adolescent Idiopathic Scoliosis. Spine, 2007, 32, 2258-2264.	1.0	111
32	Pediatric Pedicle Screw Placement Using Intraoperative Computed Tomography and 3-Dimensional Image-Guided Navigation. Spine, 2012, 37, E188-E194.	1.0	110
33	Analysis of Patient and Parent Assessment of Deformity in Idiopathic Scoliosis Using the Walter Reed Visual Assessment Scale. Spine, 2003, 28, 2158-2163.	1.0	104
34	Rates and Causes of Mortality Associated With Spine Surgery Based on 108,419 Procedures. Spine, 2012, 37, 1975-1982.	1.0	104
35	Randomized Controlled Trial of Minimally Invasive Sacroiliac Joint Fusion Using Triangular Titanium Implants vs Nonsurgical Management for Sacroiliac Joint Dysfunction. Neurosurgery, 2015, 77, 674-691.	0.6	103
36	Complication Rates of Three Common Spine Procedures and Rates of Thromboembolism Following Spine Surgery Based on 108,419 Procedures. Spine, 2010, 35, 2140-2149.	1.0	102

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37	Monaxial Versus Multiaxial Thoracic Pedicle Screws in the Correction of Adolescent Idiopathic Scoliosis. Spine, 2005, 30, 2113-2120.	1.0	101
38	Incidence of Unintended Durotomy in Spine Surgery Based on 108 478 Cases. Neurosurgery, 2011, 68, 117-124.	0.6	101
39	Correlation of higher preoperative American Society of Anesthesiology grade and increased morbidity and mortality rates in patients undergoing spine surgery. Journal of Neurosurgery: Spine, 2011, 14, 470-474.	0.9	101
40	Optimal surgical care for adolescent idiopathic scoliosis: an international consensus. European Spine Journal, 2014, 23, 2603-2618.	1.0	96
41	Cost savings analysis of intrawound vancomycin powder in posterior spinal surgery. Spine Journal, 2014, 14, 2710-2715.	0.6	96
42	The Biomechanical Significance of Anterior Column Support in a Simulated Single-Level Spinal Fusion. Journal of Spinal Disorders, 2000, 13, 58-62.	1.1	92
43	Does Bone Morphogenetic Protein Increasethe Incidence of Perioperative Complicationsin Spinal Fusion?. Spine, 2011, 36, 1685-1691.	1.0	92
44	Volumetric Spinal Canal Intrusion. Spine, 2004, 29, 63-69.	1.0	91
45	Reliability Analysis for Manual Adolescent Idiopathic Scoliosis Measurements. Spine, 2005, 30, 444-454.	1.0	91
46	Incremental cost-effectiveness of adult spinal deformity surgery: observed quality-adjusted life years with surgery compared with predicted quality-adjusted life years without surgery. Neurosurgical Focus, 2014, 36, E3.	1.0	91
47	Comparison of Cranial Facet Joint Violation Rates Between Open and Percutaneous Pedicle Screw Placement Using Intraoperative 3-D CT (O-arm) Computer Navigation. Spine, 2013, 38, E251-E258.	1.0	88
48	Economic Evaluation of Bone Morphogenetic Protein Versus Autogenous Iliac Crest Bone Graft in Single-Level Anterior Lumbar Fusion. Spine, 2002, 27, S94-S99.	1.0	87
49	The Cost Effectiveness of Single-Level Instrumented Posterolateral Lumbar Fusion at 5 Years After Surgery. Spine, 2012, 37, 769-774.	1.0	85
50	Minimally Invasive Versus Open Sacroiliac Joint Fusion: Are They Similarly Safe and Effective?. Clinical Orthopaedics and Related Research, 2014, 472, 1831-1838.	0.7	85
51	The Accuracy of Navigation and 3D Image-Guided Placement for the Placement of Pedicle Screws in Congenital Spine Deformity. Journal of Pediatric Orthopaedics, 2012, 32, e23-e29.	0.6	84
52	Surgical Treatment for the Painful Motion Segment. Spine, 2005, 30, S44-S51.	1.0	82
53	Traction Versus Supine Side Bending. Spine, 1998, 23, 804-808.	1.0	81
54	A Cost Analysis of Bone Morphogenetic Protein Versus Autogenous Iliac Crest Bone Graft in Single-Level Anterior Lumbar Fusion. Orthopedics, 2003, 26, 1027-1037.	0.5	79

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55	Morbidity and mortality associated with spinal surgery in children: a review of the Scoliosis Research Society morbidity and mortality database. Journal of Neurosurgery: Pediatrics, 2011, 7, 37-41.	0.8	78
56	Sacroiliac Joint Fusion Using Triangular Titanium Implants vs. Non-Surgical Management: Six-Month Outcomes from a Prospective Randomized Controlled Trial. International Journal of Spine Surgery, 2015, 9, 6.	0.7	77
57	The Scoliosis Research Society Health-Related Quality Of Life (SRS-30) Ageâ€"Gender Normative Data. Spine, 2011, 36, 1154-1162.	1.0	73
58	Morbidity and mortality in the surgical treatment of 10,329 adults with degenerative lumbar stenosis. Journal of Neurosurgery: Spine, 2010, 12, 443-446.	0.9	72
59	Sacroiliac joint pain: burden of disease. Medical Devices: Evidence and Research, 2014, 7, 73.	0.4	71
60	Morbidity and mortality in the surgical treatment of 10,242 adults with spondylolisthesis. Journal of Neurosurgery: Spine, 2010, 13, 589-593.	0.9	69
61	Disc Degeneration Assessed by Quantitative T2* (T2 Star) Correlated With Functional Lumbar Mechanics. Spine, 2013, 38, E1533-E1540.	1.0	68
62	Reliability Analysis for Digital Adolescent Idiopathic Scoliosis Measurements. Journal of Spinal Disorders and Techniques, 2005, 18, 152-159.	1.8	66
63	Radiographic Comparison of Lateral Lumbar Interbody Fusion Versus Traditional Fusion Approaches: Analysis of Sagittal Contour Change. International Journal of Spine Surgery, 2015, 9, 16.	0.7	66
64	The Use of Interbody Cage Devices for Spinal Deformity: A Biomechanical Perspective. Clinical Orthopaedics and Related Research, 2002, 394, 73-83.	0.7	64
65	Consistency of Visual Assessments of Arch Height among Clinicians. Foot and Ankle International, 1994, 15, 213-217.	1.1	63
66	Outcome of Lumbar Arthrodesis in Patients Sixty-five Years of Age or Older. Journal of Bone and Joint Surgery - Series A, 2009, 91, 783-790.	1.4	62
67	Spinal Appearance Questionnaire. Spine, 2011, 36, E1240-E1244.	1.0	62
68	Does Higher Anchor Density Result in Increased Curve Correction and Improved Clinical Outcomes in Adolescent Idiopathic Scoliosis?. Spine, 2014, 39, 571-578.	1.0	62
69	Utilization of Minimally Invasive Surgical Approach for Sacroiliac Joint Fusion in Surgeon Population of ISASS and SMISS Membership. The Open Orthopaedics Journal, 2014, 8, 1-6.	0.1	62
70	Clinical Use of Opportunistic Computed Tomography Screening for Osteoporosis. Journal of Bone and Joint Surgery - Series A, 2018, 100, 2073-2081.	1.4	61
71	Short-term Complications Associated With Surgery for High-Grade Spondylolisthesis in Adults and Pediatric Patients. Neurosurgery, 2012, 71, 109-116.	0.6	60
72	Osteoporosis in acute fractures of the cervical spine: the role of opportunistic CT screening. Journal of Neurosurgery: Spine, 2015, 23, 1-7.	0.9	58

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73	Fluoroscopic Video to Identify Aberrant Lumbar Motion. Spine, 2007, 32, E220-E229.	1.0	56
74	Are More Screws Better? A Systematic Review of Anchor Density and Curve Correction in Adolescent Idiopathic Scoliosis. Spine Deformity, 2013, 1, 237-247.	0.7	56
75	What would be the annual cost savings if fewer screws were used in adolescent idiopathic scoliosis treatment in the US?. Journal of Neurosurgery: Spine, 2016, 24, 116-123.	0.9	55
76	The Sacroiliac Joint. Neurosurgery Clinics of North America, 2017, 28, 301-312.	0.8	55
77	Minimally Invasive Sacroiliac Joint Fusion: The Current Evidence. International Journal of Spine Surgery, 2020, 14, S20-S29.	0.7	52
78	Perioperative Complications in Revision Anterior Lumbar Spine Surgery. Spine, 2009, 34, 87-90.	1.0	51
79	Value-based Care in the Management of Spinal Disorders: A Systematic Review of Cost-utility Analysis. Clinical Orthopaedics and Related Research, 2012, 470, 1106-1123.	0.7	51
80	Title is missing!. Journal of Pediatric Orthopaedics, 2001, 21, 761-764.	0.6	49
81	Probing for Thoracic Pedicle Screw Tract Violation(s). Journal of Spinal Disorders and Techniques, 2004, 17, 277-283.	1.8	49
82	Reliability of End, Neutral, and Stable Vertebrae Identification in Adolescent Idiopathic Scoliosis. Spine, 2005, 30, 1658-1663.	1.0	47
83	New generation intraoperative three-dimensional imaging (O-arm) in 100 spine surgeries: Does it change the surgical procedure?. Journal of Clinical Neuroscience, 2014, 21, 225-231.	0.8	45
84	A cost analysis of bone morphogenetic protein versus autogenous iliac crest bone graft in single-level anterior lumbar fusion. Orthopedics, 2003, 26, 1027-37.	0.5	45
85	Operative Management of Adult Spinal Deformity Results in Significant Increases in QALYs Gained Compared to Nonoperative Management. Spine, 2018, 43, 339-347.	1.0	43
86	Debate: To Fuse or Not to Fuse to the Sacrum, the Fate of the L5â€“S1 Disc. Spine, 2006, 31, S179-S184.	1.0	42
87	Segmental lumbar sagittal correction after bilateral transforaminal lumbar interbody fusion. Journal of Neurosurgery: Spine, 2012, 17, 37-42.	0.9	42
88	Comparative effectiveness of open versus minimally invasive sacroiliac joint fusion. Medical Devices: Evidence and Research, 2014, 7, 187.	0.4	42
89	Comparison of Sagittal Contour and Posterior Disc Height Following Interbody Fusion. Journal of Spinal Disorders and Techniques, 2005, 18, 332-336.	1.8	41
90	The Use of Computed Tomography Attenuation to Evaluate Osteoporosis Following Acute Fractures of the Thoracic and Lumbar Vertebra. Geriatric Orthopaedic Surgery and Rehabilitation, 2014, 5, 50-55.	0.6	41

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91	A prospective comparison study of double contrast computed tomography (CT) arthrography and arthroscopy of the shoulder. American Journal of Sports Medicine, 1988, 16, 13-20.	1.9	40
92	The Effect of a Wrist Brace on Injury Patterns in Experimentally Produced Distal Radial Fractures in a Cadaveric Model. American Journal of Sports Medicine, 1997, 25, 394-401.	1.9	40
93	Cost analysis of magnetically controlled growing rods compared with traditional growing rods for early-onset scoliosis in the US: an integrated health care delivery system perspective. ClinicoEconomics and Outcomes Research, 2016, Volume 8, 457-465.	0.7	39
94	Do Lordotic Cages Provide Better Segmental Lordosis Versus Nonlordotic Cages in Lateral Lumbar Interbody Fusion (LLIF)?. Clinical Spine Surgery, 2017, 30, E338-E343.	0.7	39
95	Quantitative T2* (T2 star) relaxation times predict site specific proteoglycan content and residual mechanics of the intervertebral disc throughout degeneration. Journal of Orthopaedic Research, 2014, 32, 1083-1089.	1.2	37
96	Implant Distribution in Surgically Instrumented Lenke 1 Adolescent Idiopathic Scoliosis. Spine, 2015, 40, 462-468.	1.0	37
97	Predictors of Outcome in Conservative and Minimally Invasive Surgical Management of Pain Originating From the Sacroiliac Joint. Spine, 2017, 42, 1664-1673.	1.0	37
98	The Effect of Intraoperative Blood Loss on Serum Cefazolin Level in Patients Undergoing Instrumented Spinal Fusion. Spine, 1996, 21, 2363-2367.	1.0	36
99	SF-36 PCS Benefit-Cost Ratio of Lumbar Fusion Comparison to Other Surgical Interventions. Spine, 2007, 32, S20-S26.	1.0	36
100	An Analysis of Decision Making and Treatment in Thoracolumbar Metastases. Spine, 2009, 34, S118-S127.	1.0	36
101	Morbidity and Mortality in the Surgical Treatment of Six Hundred Five Pediatric Patients With Isthmic or Dysplastic Spondylolisthesis. Spine, 2011, 36, 308-312.	1.0	36
102	Nonoperative care to manage sacroiliac joint disruption and degenerative sacroiliitis: high costs and medical resource utilization in the United States Medicare population. Journal of Neurosurgery: Spine, 2014, 20, 354-363.	0.9	36
103	The Effects of Hook Pattern and Kyphotic Angulation on Mechanical Strength and Apical Rod Strain in a Long-Segment Posterior Construct Using a Synthetic Model. Spine, 2001, 26, 627-635.	1.0	35
104	Optimizing iliac screw fixation: a biomechanical study on screw length, trajectory, and diameter. Journal of Neurosurgery: Spine, 2011, 14, 219-225.	0.9	35
105	Pedicle Screw Fixation of the Thoracic Spine: An In Vitro Biomechanical Study on Different Configurations. Spine, 2005, 30, 2530-2537.	1.0	34
106	Union of a Chronically Infected Internally Stabilized Segmental Defect in the Rat Femur After Debridement and Application of rhBMP-2 and Systemic Antibiotic. Journal of Orthopaedic Trauma, 2007, 21, 693-700.	0.7	33
107	Sacral bone mineral density (BMD) assessment using opportunistic CT scans. Journal of Orthopaedic Research, 2017, 35, 160-166.	1.2	32
108	Current Evidence Regarding the Etiology, Prevalence, Natural History, and Prognosis of Pediatric Lumbar Spondylolysis: A Report from the Scoliosis Research Society Evidence-Based Medicine Committee. Spine Deformity, 2015, 3, 12-29.	0.7	31

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109	Perioperative blood and blood product management for spinal deformity surgery. Spine Journal, 2003, 3, 388-393.	0.6	30
110	Timing of stereotactic radiosurgery and surgery and wound healing in patients with spinal tumors: a systematic review and expert opinions. Neurological Research, 2014, 36, 510-523.	0.6	30
111	Hemivertebral Excision for Congenital Scoliosis in Very Young Children. Journal of Pediatric Orthopaedics, 2001, 21, 761-764.	0.6	29
112	Minimum 20-Year Health-Related Quality of Life and Surgical Rates After the Treatment of Adolescent Idiopathic Scoliosis. Spine Deformity, 2019, 7, 417-427.	0.7	29
113	Reliability of the Planned Pedicle Screw Trajectory versus the Actual Pedicle Screw Trajectory using Intra-operative 3D CT and Image Guidance. International Journal of Spine Surgery, 2016, 10, 38.	0.7	29
114	Intraoperative 3-dimensional imaging (O-arm) for assessment of pedicle screw position: Does it prevent unacceptable screw placement?. International Journal of Spine Surgery, 2012, 6, 49-54.	0.7	28
115	Does Prone Repositioning Before Posterior Fixation Produce Greater Lordosis in Lateral Lumbar Interbody Fusion (LLIF)?. Journal of Spinal Disorders and Techniques, 2014, 27, 364-369.	1.8	28
116	Accuracy of Pedicle Screw Placement in Children 10 Years or Younger Using Navigation and Intraoperative CT. Clinical Spine Surgery, 2016, 29, E135-E138.	0.7	27
117	Cell Saver for Adult Spinal Deformity Surgery Reduces Cost. Spine Deformity, 2017, 5, 272-276.	0.7	27
118	Sacral Dysmorphism and Lumbosacral Transitional Vertebrae (LSTV) Review. International Journal of Spine Surgery, 2020, 14, S14-S19.	0.7	27
119	The Removal of a Transdural Pedicle Screw Placed for Thoracolumbar Spine Fracture. Spine, 1996, 21, 2495-2498.	1.0	26
120	Defining Rates and Causes of Mortality Associated With Spine Surgery. Spine, 2014, 39, 579-586.	1.0	26
121	Dedicated Spine Measurement Software Quantifies Key Spino-Pelvic Parameters More Reliably Than Traditional Picture Archiving and Communication Systems Tools. Spine, 2016, 41, E22-E27.	1.0	26
122	Transforaminal lumbar interbody fusion: unilateral versus bilateral disk removal--an in vivo study. American Journal of Orthopedics, 2003, 32, 344-8; discussion 348.	0.7	26
123	Anterior thoracic scoliosis constructs. Spine Journal, 2003, 3, 213-219.	0.6	25
124	Adapting Innovative Motion-Preserving Technology to Spinal Surgical Practice: What Should We Expect to Happen?. Spine, 2003, 28, S104-S109.	1.0	25
125	Thoracic Pedicle Screws. Spine, 2008, 33, 2675-2681.	1.0	25
126	Measuring outcomes in adult spinal deformity surgery: a systematic review to identify current strengths, weaknesses and gaps in patient-reported outcome measures. European Spine Journal, 2017, 26, 2084-2093.	1.0	25

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127	The Effect of Kyphosis on the Mechanical Strength of a Long-Segment Posterior Construct Using a Synthetic Model. Spine, 2000, 25, 1644-1648.	1.0	24
128	Hemimetameric Segmental Shift: A Case Series and Review. Spine, 2002, 27, E539-E544.	1.0	24
129	Comparison of the Lowest Instrumented, Stable, and Lower End Vertebrae in â€œSingle Overhangâ€• Thoracic Adolescent Idiopathic Scoliosis: Anterior Versus Posterior Spinal Fusion. Spine, 2006, 31, 2232-2236.	1.0	24
130	A Biomechanical Evaluation of Three Revision Screw Strategies for Failed Lateral Mass Fixation. Spine, 2008, 33, 2415-2421.	1.0	24
131	Management of sacroiliac joint disruption and degenerative sacroiliitis with nonoperative care is medical resource-intensive and costly in a United States commercial payer population. ClinicoEconomics and Outcomes Research, 2014, 6, 63.	0.7	24
132	Title is missing!. Journal of Pediatric Orthopaedics, 2000, 20, 59.	0.6	24
133	Does Level of Response to SI Joint Block Predict Response to SI Joint Fusion?. International Journal of Spine Surgery, 2016, 10, 4.	0.7	23
134	Comparison of Open and Percutaneous Lumbar Pedicle Screw Revision Rate Using 3-D Image Guidance and Intraoperative CT. Orthopedics, 2015, 38, e129-34.	0.5	23
135	Comparison of the costs of nonoperative care to minimally invasive surgery for sacroiliac joint disruption and degenerative sacroiliitis in a United States commercial payer population: potential economic implications of a new minimally invasive technology. ClinicoEconomics and Outcomes Research, 2014, 6, 283.	0.7	22
136	Impact of cost valuation on cost-effectiveness in adult spine deformity surgery. Spine Journal, 2017, 17, 96-101.	0.6	22
137	Best Practice Guidelines for Assessment and Management of Osteoporosis in Adult Patients Undergoing Elective Spinal Reconstruction. Spine, 2022, 47, 128-135.	1.0	22
138	Defining a core outcome set for adolescent and young adult patients with a spinal deformity. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 88, 612-618.	1.2	21
139	Which Malpositioned Pedicle Screws Should Be Revised?. Journal of Pediatric Orthopaedics, 2018, 38, 110-115.	0.6	21
140	A Prospective Evaluation of Orthopedic Patients Evacuated from Operations Desert Shield and Desert Storm: The Walter Reed Experience. Military Medicine, 1994, 159, 376-380.	0.4	20
141	Spinopelvic Fixation in Deformity: A Review. Neurosurgery Clinics of North America, 2007, 18, 373-384.	0.8	20
142	Cost-effectiveness of minimally invasive sacroiliac joint fusion. ClinicoEconomics and Outcomes Research, 2016, 8, 1.	0.7	20
143	An international consensus on the appropriate evaluation and treatment for adults with spinal deformity. European Spine Journal, 2018, 27, 585-596.	1.0	20
144	Discriminative Properties of the Spinal Appearance Questionnaire Compared With the Scoliosis Research Societyâ€“22 Revised. Spine Deformity, 2013, 1, 328-338.	0.7	19

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145	Opportunistic Computed Tomography Screening Shows a High Incidence of Osteoporosis in Ankylosing Spondylitis Patients With Acute Vertebral Fractures. Journal of Clinical Densitometry, 2015, 18, 17-21.	0.5	19
146	Current Evidence Regarding Diagnostic Imaging Methods for Pediatric Lumbar Spondylolysis: A Report From the Scoliosis Research Society Evidence-Based Medicine Committee. Spine Deformity, 2017, 5, 97-101.	0.7	19
147	Responding to Intraoperative Neuromonitoring Changes During Pediatric Coronal Spinal Deformity Surgery. Global Spine Journal, 2019, 9, 15S-21S.	1.2	19
148	Thoracic pedicle screw fixation for spinal deformity. Neurosurgical Focus, 2003, 14, 1-6.	1.0	18
149	Tranexamic Acid Reduced the Percent of Total Blood Volume Lost During Adolescent Idiopathic Scoliosis Surgery. International Journal of Spine Surgery, 2017, 11, 27.	0.7	18
150	Congenital Absence of a Lumbar Pedicle Presenting as Back Pain in Children. Journal of Pediatric Orthopaedics, 1991, 11, 214-219.	0.6	17
151	Thoracic hemivertebra excision in adults via a posterior-only approach. Neurosurgical Focus, 2003, 14, 1-4.	1.0	16
152	Is It Safer to Place Pedicle Screws in the Lower Thoracic Spine Than in the Upper Lumbar Spine?. Spine, 2007, 32, 49-54.	1.0	16
153	What Is the Frequency of Intraoperative Alerts During Pediatric Spinal Deformity Surgery Using Current Neuromonitoring Methodology? A Retrospective Study of 218 Surgical Procedures. Neurodiagnostic Journal,the, 2016, 56, 17-31.	0.1	16
154	Pulmonary function tests correlated with thoracic volumes in adolescent idiopathic scoliosis. Journal of Orthopaedic Research, 2017, 35, 175-182.	1.2	16
155	Thoracic spinal cord impingement by an arachnoid web at the level of a hemivertebra: case report. Journal of Neurosurgery: Spine, 2017, 27, 638-642.	0.9	16
156	What Are the Indications for Spinal Fusion Surgery in Scheuermann Kyphosis?. Journal of Pediatric Orthopaedics, 2019, 39, 217-221.	0.6	16
157	A Study of the Efficacy of Nonoperative Treatment of Presumed Traumatic Spondylolysis in a Young Patient Population. Military Medicine, 1995, 160, 553-555.	0.4	15
158	Ignoring the sacroiliac joint in chronic low back pain is costly. ClinicoEconomics and Outcomes Research, 2016, 8, 23.	0.7	15
159	Regional improvements in lumbosacropelvic Hounsfield units following teriparatide treatment. Neurosurgical Focus, 2020, 49, E11.	1.0	15
160	Development of consensus-based best practice guidelines for response to intraoperative neuromonitoring events in high-risk spinal deformity surgery. Spine Deformity, 2022, 10, 745-761.	0.7	15
161	Comparison of the costs of nonoperative care to minimally invasive surgery for sacroiliac joint disruption and degenerative sacroiliitis in a United States Medicare population: potential economic implications of a new minimally-invasive technology. ClinicoEconomics and Outcomes Research, 2013, 5, 575.	0.7	14
162	Minimum Detectable Measurement Difference for Health-Related Quality of Life Measures Varies With Age and Disability in Adult Spinal Deformity. Spine, 2018, 43, E790-E795.	1.0	14

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163	Early Diagnosis of Hurler's Syndrome with the Aid of the Identification of the Characteristic Gibbus Deformity. Military Medicine, 1998, 163, 711-714.	0.4	13
164	Adult Degenerative Scoliosis Surgical Outcomes: A Systematic Review and Meta-analysis. Spine Deformity, 2013, 1, 248-258.	0.7	13
165	Current Evidence Regarding the Surgical and Nonsurgical Treatment of Pediatric Lumbar Spondylolysis: A Report from the Scoliosis Research Society Evidence-Based Medicine Committee. Spine Deformity, 2015, 3, 30-44.	0.7	13
166	Acute failure of S2-alar-iliac screw pelvic fixation in adult spinal deformity: novel failure mechanism, case series, and review of the literature. Journal of Neurosurgery: Spine, 2022, 36, 53-61.	0.9	13
167	Serum Cefazolin Levels During Spinal Fusion. Journal of Spinal Disorders, 1993, 6, 296-299.	1.1	12
168	Change in Sagittal Plane Alignment Following Surgery for Scheuermann's Kyphosis. Spine Deformity, 2014, 2, 404-409.	0.7	12
169	A Method for Radiographic Evaluation of Pedicle Screw Violation of the Vertebral Endplate. Spine, 1996, 21, 1587-1592.	1.0	11
170	A Health-economic Assessment of Cervical Disc Arthroplasty Compared With Allograft Fusion. Techniques in Orthopaedics, 2010, 25, 133-137.	0.1	11
171	A Modified Wake-Up Test for Use in Very Young Children Undergoing Spinal Surgery. Journal of Pediatric Orthopaedics, 2000, 20, 64.	0.6	11
172	Disc arthroplasty: lessons learned from total joint arthroplasty. Spine Journal, 2004, 4, S182-S189.	0.6	10
173	Rates of Infection after Spine Surgery Based on 108,419 Procedures. Neurosurgery, 2009, 65, 409.	0.6	10
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