

David W Polly

List of Publications by Citations

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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.

254
papers

11,224
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59
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99
g-index

279
ext. papers

12,665
ext. citations

2.6
avg, IF

6.05
L-index

#	Paper	IF	Citations
254	Understanding the minimum clinically important difference: a review of concepts and methods. <i>Spine Journal</i> , 2007 , 7, 541-6	4	896
253	A novel classification system for spinal instability in neoplastic disease: an evidence-based approach and expert consensus from the Spine Oncology Study Group. <i>Spine</i> , 2010 , 35, E1221-9	3.3	647
252	Spinal instability neoplastic score: an analysis of reliability and validity from the spine oncology study group. <i>Journal of Clinical Oncology</i> , 2011 , 29, 3072-7	2.2	350
251	In vivo accuracy of thoracic pedicle screws. <i>Spine</i> , 2001 , 26, 2340-6	3.3	303
250	Rates of infection after spine surgery based on 108,419 procedures: a report from the Scoliosis Research Society Morbidity and Mortality Committee. <i>Spine</i> , 2011 , 36, 556-63	3.3	290
249	Complications in the surgical treatment of 19,360 cases of pediatric scoliosis: a review of the Scoliosis Research Society Morbidity and Mortality database. <i>Spine</i> , 2011 , 36, 1484-91	3.3	267
248	Defining substantial clinical benefit following lumbar spine arthrodesis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008 , 90, 1839-47	5.6	249
247	Epidemiology of injuries associated with physical training among young men in the army. <i>Medicine and Science in Sports and Exercise</i> , 1993 , 25, 197-203	1.2	222
246	How often is low back pain not coming from the back?. <i>Spine</i> , 2009 , 34, E27-32	3.3	213
245	Transforaminal lumbar interbody fusion: clinical and radiographic results and complications in 100 consecutive patients. <i>Journal of Spinal Disorders and Techniques</i> , 2005 , 18, 337-46		199
244	The accuracy of selective magnetic resonance imaging compared with the findings of arthroscopy of the knee.. <i>Journal of Bone and Joint Surgery - Series A</i> , 1988 , 70, 192-198	5.6	181
243	Rates of new neurological deficit associated with spine surgery based on 108,419 procedures: a report of the scoliosis research society morbidity and mortality committee. <i>Spine</i> , 2011 , 36, 1218-28	3.3	176
242	Scoliosis research society morbidity and mortality of adult scoliosis surgery. <i>Spine</i> , 2011 , 36, E593-7	3.3	158
241	Accuracy and efficacy of thoracic pedicle screws in curves more than 90 degrees. <i>Spine</i> , 2005 , 30, 222-6	3.3	151
240	Straight-forward versus anatomic trajectory technique of thoracic pedicle screw fixation: a biomechanical analysis. <i>Spine</i> , 2003 , 28, 2058-65	3.3	144
239	Measurement of lumbar lordosis. Evaluation of intraobserver, interobserver, and technique variability. <i>Spine</i> , 1996 , 21, 1530-5; discussion 1535-6	3.3	138
238	MOS short form 36 and Oswestry Disability Index outcomes in lumbar fusion: a multicenter experience. <i>Spine Journal</i> , 2006 , 6, 21-6	4	127

237	Measurement of thoracic and lumbar fracture kyphosis: evaluation of intraobserver, interobserver, and technique variability. <i>Spine</i> , 2001 , 26, 61-5; discussion 66	3.3	121
236	A review of quality of life and psychosocial issues in scoliosis. <i>Spine</i> , 2006 , 31, 3027-38	3.3	118
235	The efficacy of a prophylactic knee brace to reduce knee injuries in football. A prospective, randomized study at West Point. <i>American Journal of Sports Medicine</i> , 1990 , 18, 310-5	6.8	117
234	The costs and benefits of nonoperative management for adult scoliosis. <i>Spine</i> , 2010 , 35, 578-82	3.3	113
233	The Spinal Appearance Questionnaire: results of reliability, validity, and responsiveness testing in patients with idiopathic scoliosis. <i>Spine</i> , 2007 , 32, 2719-22	3.3	107
232	Pediatric pedicle screws: comparative effectiveness and safety: a systematic literature review from the Scoliosis Research Society and the Pediatric Orthopaedic Society of North America task force. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011 , 93, 1227-34	5.6	106
231	Accuracy of thoracic pedicle screws in patients with and without coronal plane spinal deformities. <i>Spine</i> , 2002 , 27, 1558-66	3.3	105
230	Total hospital costs of surgical treatment for adult spinal deformity: an extended follow-up study. <i>Spine Journal</i> , 2014 , 14, 2326-33	4	103
229	Lower limb morphology and risk of overuse injury among male infantry trainees. <i>Medicine and Science in Sports and Exercise</i> , 1996 , 28, 945-52	1.2	103
228	Advantage of pedicle screw fixation directed into the apex of the sacral promontory over bicortical fixation: a biomechanical analysis. <i>Spine</i> , 2002 , 27, 806-11	3.3	94
227	Rationale behind the current state-of-the-art treatment of scoliosis (in the pedicle screw era). <i>Spine</i> , 2008 , 33, 1051-4	3.3	92
226	Surgical revision rates of hooks versus hybrid versus screws versus combined anteroposterior spinal fusion for adolescent idiopathic scoliosis. <i>Spine</i> , 2007 , 32, 2258-64	3.3	91
225	Complication rates of three common spine procedures and rates of thromboembolism following spine surgery based on 108,419 procedures: a report from the Scoliosis Research Society Morbidity and Mortality Committee. <i>Spine</i> , 2010 , 35, 2140-9	3.3	90
224	Revision pedicle screws. Bigger, longer shims--what is best?. <i>Spine</i> , 1998 , 23, 1374-9	3.3	90
223	Analysis of patient and parent assessment of deformity in idiopathic scoliosis using the Walter Reed Visual Assessment Scale. <i>Spine</i> , 2003 , 28, 2158-63	3.3	89
222	Correlation of higher preoperative American Society of Anesthesiology grade and increased morbidity and mortality rates in patients undergoing spine surgery. <i>Journal of Neurosurgery: Spine</i> , 2011 , 14, 470-4	2.8	88
221	Monaxial versus multiaxial thoracic pedicle screws in the correction of adolescent idiopathic scoliosis. <i>Spine</i> , 2005 , 30, 2113-20	3.3	87
220	Rates and causes of mortality associated with spine surgery based on 108,419 procedures: a review of the Scoliosis Research Society Morbidity and Mortality Database. <i>Spine</i> , 2012 , 37, 1975-82	3.3	86

219	Does bone morphogenetic protein increase the incidence of perioperative complications in spinal fusion? A comparison of 55,862 cases of spinal fusion with and without bone morphogenetic protein. <i>Spine</i> , 2011 , 36, 1685-91	3.3	85
218	Pediatric pedicle screw placement using intraoperative computed tomography and 3-dimensional image-guided navigation. <i>Spine</i> , 2012 , 37, E188-94	3.3	85
217	Incidence of unintended durotomy in spine surgery based on 108,478 cases. <i>Neurosurgery</i> , 2011 , 68, 117-23; discussion 123-4	3.2	84
216	Optimal surgical care for adolescent idiopathic scoliosis: an international consensus. <i>European Spine Journal</i> , 2014 , 23, 2603-18	2.7	81
215	Two-Year Outcomes from a Randomized Controlled Trial of Minimally Invasive Sacroiliac Joint Fusion vs. Non-Surgical Management for Sacroiliac Joint Dysfunction. <i>International Journal of Spine Surgery</i> , 2016 , 10, 28	1.4	81
214	Volumetric spinal canal intrusion: a comparison between thoracic pedicle screws and thoracic hooks. <i>Spine</i> , 2004 , 29, 63-9	3.3	80
213	Cost savings analysis of intrawound vancomycin powder in posterior spinal surgery. <i>Spine Journal</i> , 2014 , 14, 2710-5	4	77
212	Economic evaluation of bone morphogenetic protein versus autogenous iliac crest bone graft in single-level anterior lumbar fusion: an evidence-based modeling approach. <i>Spine</i> , 2002 , 27, S94-9	3.3	77
211	The cost effectiveness of single-level instrumented posterolateral lumbar fusion at 5 years after surgery. <i>Spine</i> , 2012 , 37, 769-74	3.3	76
210	Reliability analysis for manual adolescent idiopathic scoliosis measurements. <i>Spine</i> , 2005 , 30, 444-54	3.3	76
209	Surgical treatment for the painful motion segment: matching technology with the indications: posterior lumbar fusion. <i>Spine</i> , 2005 , 30, S44-51	3.3	76
208	The biomechanical significance of anterior column support in a simulated single-level spinal fusion. <i>Journal of Spinal Disorders</i> , 2000 , 13, 58-62		75
207	Incremental cost-effectiveness of adult spinal deformity surgery: observed quality-adjusted life years with surgery compared with predicted quality-adjusted life years without surgery. <i>Neurosurgical Focus</i> , 2014 , 36, E3	4.2	74
206	Randomized Controlled Trial of Minimally Invasive Sacroiliac Joint Fusion Using Triangular Titanium Implants vs Nonsurgical Management for Sacroiliac Joint Dysfunction: 12-Month Outcomes. <i>Neurosurgery</i> , 2015 , 77, 674-90; discussion 690-1	3.2	71
205	Traction versus supine side bending. Which technique best determines curve flexibility?. <i>Spine</i> , 1998 , 23, 804-8	3.3	69
204	A Cost Analysis of Bone Morphogenetic Protein Versus Autogenous Iliac Crest Bone Graft in Single-Level Anterior Lumbar Fusion. <i>Orthopedics</i> , 2003 , 26, 1027-1037	1.5	69
203	Minimally invasive versus open sacroiliac joint fusion: are they similarly safe and effective?. <i>Clinical Orthopaedics and Related Research</i> , 2014 , 472, 1831-8	2.2	67
202	Morbidity and mortality in the surgical treatment of 10,329 adults with degenerative lumbar stenosis. <i>Journal of Neurosurgery: Spine</i> , 2010 , 12, 443-6	2.8	66

201	Comparison of cranial facet joint violation rates between open and percutaneous pedicle screw placement using intraoperative 3-D CT (O-arm) computer navigation. <i>Spine</i> , 2013 , 38, E251-8	3.3	65
200	Morbidity and mortality associated with spinal surgery in children: a review of the Scoliosis Research Society morbidity and mortality database. <i>Journal of Neurosurgery: Pediatrics</i> , 2011 , 7, 37-41	2.1	64
199	The accuracy of navigation and 3D image-guided placement for the placement of pedicle screws in congenital spine deformity. <i>Journal of Pediatric Orthopaedics</i> , 2012 , 32, e23-9	2.4	64
198	The Scoliosis Research Society Health-Related Quality of Life (SRS-30) age-gender normative data: an analysis of 1346 adult subjects unaffected by scoliosis. <i>Spine</i> , 2011 , 36, 1154-62	3.3	63
197	Morbidity and mortality in the surgical treatment of 10,242 adults with spondylolisthesis. <i>Journal of Neurosurgery: Spine</i> , 2010 , 13, 589-93	2.8	61
196	Sacroiliac Joint Fusion Using Triangular Titanium Implants vs. Non-Surgical Management: Six-Month Outcomes from a Prospective Randomized Controlled Trial. <i>International Journal of Spine Surgery</i> , 2015 , 9, 6	1.4	60
195	Reliability analysis for digital adolescent idiopathic scoliosis measurements. <i>Journal of Spinal Disorders and Techniques</i> , 2005 , 18, 152-9		57
194	Disc degeneration assessed by quantitative T2* (T2 star) correlated with functional lumbar mechanics. <i>Spine</i> , 2013 , 38, E1533-40	3.3	56
193	Outcome of lumbar arthrodesis in patients sixty-five years of age or older. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009 , 91, 783-90	5.6	56
192	Sacroiliac joint pain: burden of disease. <i>Medical Devices: Evidence and Research</i> , 2014 , 7, 73-81	1.5	54
191	The use of interbody cage devices for spinal deformity: a biomechanical perspective. <i>Clinical Orthopaedics and Related Research</i> , 2002 , 73-83	2.2	51
190	Utilization of Minimally Invasive Surgical Approach for Sacroiliac Joint Fusion in Surgeon Population of ISASS and SMISS Membership. <i>The Open Orthopaedics Journal</i> , 2014 , 8, 1-6	0.3	51
189	Does higher anchor density result in increased curve correction and improved clinical outcomes in adolescent idiopathic scoliosis?. <i>Spine</i> , 2014 , 39, 571-8	3.3	50
188	Fluoroscopic video to identify aberrant lumbar motion. <i>Spine</i> , 2007 , 32, E220-9	3.3	49
187	Consistency of visual assessments of arch height among clinicians. <i>Foot and Ankle International</i> , 1994 , 15, 213-7	3.3	49
186	Osteoporosis in acute fractures of the cervical spine: the role of opportunistic CT screening. <i>Journal of Neurosurgery: Spine</i> , 2015 , 23, 1-7	2.8	48
185	Are More Screws Better? A Systematic Review of Anchor Density and Curve Correction in Adolescent Idiopathic Scoliosis. <i>Spine Deformity</i> , 2013 , 1, 237-247	2	48
184	What would be the annual cost savings if fewer screws were used in adolescent idiopathic scoliosis treatment in the US?. <i>Journal of Neurosurgery: Spine</i> , 2016 , 24, 116-23	2.8	47

183	Radiographic Comparison of Lateral Lumbar Interbody Fusion Versus Traditional Fusion Approaches: Analysis of Sagittal Contour Change. <i>International Journal of Spine Surgery</i> , 2015 , 9, 16	1.4	45
182	Short-term complications associated with surgery for high-grade spondylolisthesis in adults and pediatric patients: a report from the scoliosis research society morbidity and mortality database. <i>Neurosurgery</i> , 2012 , 71, 109-16	3.2	45
181	A cost analysis of bone morphogenetic protein versus autogenous iliac crest bone graft in single-level anterior lumbar fusion. <i>Orthopedics</i> , 2003 , 26, 1027-37	1.5	44
180	Spinal appearance questionnaire: factor analysis, scoring, reliability, and validity testing. <i>Spine</i> , 2011 , 36, E1240-4	3.3	43
179	. <i>Journal of Pediatric Orthopaedics</i> , 2001 , 21, 761-764	2.4	43
178	Probing for thoracic pedicle screw tract violation(s): is it valid?. <i>Journal of Spinal Disorders and Techniques</i> , 2004 , 17, 277-83		42
177	Value-based care in the management of spinal disorders: a systematic review of cost-utility analysis. <i>Clinical Orthopaedics and Related Research</i> , 2012 , 470, 1106-23	2.2	40
176	Debate: to fuse or not to fuse to the sacrum, the fate of the L5-S1 disc. <i>Spine</i> , 2006 , 31, S179-84	3.3	39
175	Perioperative complications in revision anterior lumbar spine surgery: incidence and risk factors. <i>Spine</i> , 2009 , 34, 87-90	3.3	38
174	The effect of a wrist brace on injury patterns in experimentally produced distal radial fractures in a cadaveric model. <i>American Journal of Sports Medicine</i> , 1997 , 25, 394-401	6.8	38
173	Reliability of end, neutral, and stable vertebrae identification in adolescent idiopathic scoliosis. <i>Spine</i> , 2005 , 30, 1658-63	3.3	36
172	Operative Management of Adult Spinal Deformity Results in Significant Increases in QALYs Gained Compared to Nonoperative Management: Analysis of 479 Patients With Minimum 2-Year Follow-Up. <i>Spine</i> , 2018 , 43, 339-347	3.3	35
171	Comparison of sagittal contour and posterior disc height following interbody fusion: threaded cylindrical cages versus structural allograft versus vertical cages. <i>Journal of Spinal Disorders and Techniques</i> , 2005 , 18, 332-6		35
170	Clinical Use of Opportunistic Computed Tomography Screening for Osteoporosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018 , 100, 2073-2081	5.6	34
169	New generation intraoperative three-dimensional imaging (O-arm) in 100 spine surgeries: does it change the surgical procedure?. <i>Journal of Clinical Neuroscience</i> , 2014 , 21, 225-31	2.2	33
168	Segmental lumbar sagittal correction after bilateral transforaminal lumbar interbody fusion. <i>Journal of Neurosurgery: Spine</i> , 2012 , 17, 37-42	2.8	33
167	SF-36 PCS benefit-cost ratio of lumbar fusion comparison to other surgical interventions: a thought experiment. <i>Spine</i> , 2007 , 32, S20-6	3.3	33
166	A prospective comparison study of double contrast computed tomography (CT) arthrography and arthroscopy of the shoulder. <i>American Journal of Sports Medicine</i> , 1988 , 16, 13-20	6.8	33

165	An analysis of decision making and treatment in thoracolumbar metastases. <i>Spine</i> , 2009 , 34, S118-27	3.3	32
164	Pedicle screw fixation of the thoracic spine: an in vitro biomechanical study on different configurations. <i>Spine</i> , 2005 , 30, 2530-7	3.3	32
163	The effect of intraoperative blood loss on serum cefazolin level in patients undergoing instrumented spinal fusion. A prospective, controlled study. <i>Spine</i> , 1996 , 21, 2363-7	3.3	32
162	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. <i>ClinicoEconomics and Outcomes Research</i> , 2016 , 8, 457-465	1.7	31
161	Implant distribution in surgically instrumented Lenke 1 adolescent idiopathic scoliosis: does it affect curve correction?. <i>Spine</i> , 2015 , 40, 462-8	3.3	30
160	Comparative effectiveness of open versus minimally invasive sacroiliac joint fusion. <i>Medical Devices: Evidence and Research</i> , 2014 , 7, 187-93	1.5	30
159	Nonoperative care to manage sacroiliac joint disruption and degenerative sacroiliitis: high costs and medical resource utilization in the United States Medicare population. <i>Journal of Neurosurgery: Spine</i> , 2014 , 20, 354-63	2.8	30
158	Quantitative T2* (T2 star) relaxation times predict site specific proteoglycan content and residual mechanics of the intervertebral disc throughout degeneration. <i>Journal of Orthopaedic Research</i> , 2014 , 32, 1083-9	3.8	29
157	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. <i>Spine</i> , 2001 , 26, 627-35	3.3	29
156	Union of a chronically infected internally stabilized segmental defect in the rat femur after debridement and application of rhBMP-2 and systemic antibiotic. <i>Journal of Orthopaedic Trauma</i> , 2007 , 21, 693-700	3.1	28
155	Perioperative blood and blood product management for spinal deformity surgery. <i>Spine Journal</i> , 2003 , 3, 388-93	4	28
154	Predictors of Outcome in Conservative and Minimally Invasive Surgical Management of Pain Originating From the Sacroiliac Joint: A Pooled Analysis. <i>Spine</i> , 2017 , 42, 1664-1673	3.3	26
153	Sacral bone mineral density (BMD) assessment using opportunistic CT scans. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 160-166	3.8	26
152	Timing of stereotactic radiosurgery and surgery and wound healing in patients with spinal tumors: a systematic review and expert opinions. <i>Neurological Research</i> , 2014 , 36, 510-23	2.7	25
151	Morbidity and mortality in the surgical treatment of six hundred five pediatric patients with isthmic or dysplastic spondylolisthesis. <i>Spine</i> , 2011 , 36, 308-12	3.3	25
150	Defining rates and causes of mortality associated with spine surgery: comparison of 2 data collection approaches through the Scoliosis Research Society. <i>Spine</i> , 2014 , 39, 579-86	3.3	24
149	The use of computed tomography attenuation to evaluate osteoporosis following acute fractures of the thoracic and lumbar vertebra. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2014 , 5, 50-5	2	24
148	Adapting innovative motion-preserving technology to spinal surgical practice: what should we expect to happen?. <i>Spine</i> , 2003 , 28, S104-9	3.3	23

147	The removal of a transdural pedicle screw placed for thoracolumbar spine fracture. <i>Spine</i> , 1996 , 21, 2495-8; discussion 2499	3.3	23
146	Reliability of the Planned Pedicle Screw Trajectory versus the Actual Pedicle Screw Trajectory using Intra-operative 3D CT and Image Guidance. <i>International Journal of Spine Surgery</i> , 2016 , 10, 38	1.4	23
145	Do Lordotic Cages Provide Better Segmental Lordosis Versus Nonlordotic Cages in Lateral Lumbar Interbody Fusion (LLIF)?. <i>Clinical Spine Surgery</i> , 2017 , 30, E338-E343	1.8	22
144	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. <i>Spine Deformity</i> , 2015 , 3, 12-29	2	22
143	Management of sacroiliac joint disruption and degenerative sacroiliitis with nonoperative care is medical resource-intensive and costly in a United States commercial payer population. <i>ClinicoEconomics and Outcomes Research</i> , 2014 , 6, 63-74	1.7	22
142	The effect of kyphosis on the mechanical strength of a long-segment posterior construct using a synthetic model. <i>Spine</i> , 2000 , 25, 1644-8	3.3	22
141	Does prone repositioning before posterior fixation produce greater lordosis in lateral lumbar interbody fusion (LLIF)?. <i>Journal of Spinal Disorders and Techniques</i> , 2014 , 27, 364-9		21
140	Optimizing iliac screw fixation: a biomechanical study on screw length, trajectory, and diameter. <i>Journal of Neurosurgery: Spine</i> , 2011 , 14, 219-25	2.8	21
139	Intraoperative 3-dimensional imaging (O-arm) for assessment of pedicle screw position: Does it prevent unacceptable screw placement?. <i>International Journal of Spine Surgery</i> , 2012 , 6, 49-54	1.4	20
138	A biomechanical evaluation of three revision screw strategies for failed lateral mass fixation. <i>Spine</i> , 2008 , 33, 2415-21	3.3	20
137	Thoracic pedicle screws: comparison of start points and trajectories. <i>Spine</i> , 2008 , 33, 2675-81	3.3	20
136	Comparison of the lowest instrumented, stable, and lower end vertebrae in "single overhang" thoracic adolescent idiopathic scoliosis: anterior versus posterior spinal fusion. <i>Spine</i> , 2006 , 31, 2232-6	3.3	20
135	Cell Saver for Adult Spinal Deformity Surgery Reduces Cost. <i>Spine Deformity</i> , 2017 , 5, 272-276	2	19
134	Measuring outcomes in adult spinal deformity surgery: a systematic review to identify current strengths, weaknesses and gaps in patient-reported outcome measures. <i>European Spine Journal</i> , 2017 , 26, 2084-2093	2.7	19
133	Opportunistic computed tomography screening shows a high incidence of osteoporosis in ankylosing spondylitis patients with acute vertebral fractures. <i>Journal of Clinical Densitometry</i> , 2015 , 18, 17-21	3.5	19
132	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. <i>ClinicoEconomics and Outcomes Research</i> , 2014 , 6, 283-96	1.7	19
131	Anterior thoracic scoliosis constructs: effect of rod diameter and intervertebral cages on multi-segmental construct stability. <i>Spine Journal</i> , 2003 , 3, 213-9	4	19
130	Hemimetameric segmental shift: a case series and review. <i>Spine</i> , 2002 , 27, E539-44	3.3	19

129	Comparison of open and percutaneous lumbar pedicle screw revision rate using 3-D image guidance and intraoperative CT. <i>Orthopedics</i> , 2015 , 38, e129-34	1.5	19
128	. <i>Journal of Pediatric Orthopaedics</i> , 2000 , 20, 59	2.4	19
127	Does Level of Response to SI Joint Block Predict Response to SI Joint Fusion?. <i>International Journal of Spine Surgery</i> , 2016 , 10, 4	1.4	18
126	Minimally Invasive Sacroiliac Joint Fusion: The Current Evidence. <i>International Journal of Spine Surgery</i> , 2020 , 14, 20-29	1.4	18
125	Accuracy of Pedicle Screw Placement in Children 10 Years or Younger Using Navigation and Intraoperative CT. <i>Clinical Spine Surgery</i> , 2016 , 29, E135-8	1.8	18
124	Transforaminal lumbar interbody fusion: unilateral versus bilateral disk removal--an in vivo study. <i>American Journal of Orthopedics</i> , 2003 , 32, 344-8; discussion 348		18
123	Thoracic pedicle screw fixation for spinal deformity. <i>Neurosurgical Focus</i> , 2003 , 14, e7	4.2	17
122	A Prospective Evaluation of Orthopedic Patients Evacuated from Operations Desert Shield and Desert Storm: The Walter Reed Experience. <i>Military Medicine</i> , 1994 , 159, 376-380	1.3	17
121	Dedicated Spine Measurement Software Quantifies Key Spino-Pelvic Parameters More Reliably Than Traditional Picture Archiving and Communication Systems Tools. <i>Spine</i> , 2016 , 41, E22-7	3.3	17
120	The Sacroiliac Joint. <i>Neurosurgery Clinics of North America</i> , 2017 , 28, 301-312	4	16
119	Minimum 20-Year Health-Related Quality of Life and Surgical Rates After the Treatment of Adolescent Idiopathic Scoliosis. <i>Spine Deformity</i> , 2019 , 7, 417-427	2	15
118	Which Malpositioned Pedicle Screws Should Be Revised?. <i>Journal of Pediatric Orthopaedics</i> , 2018 , 38, 110-115	2.4	15
117	Spinopelvic fixation in deformity: a review. <i>Neurosurgery Clinics of North America</i> , 2007 , 18, 373-84	4	15
116	Current Evidence Regarding Diagnostic Imaging Methods for Pediatric Lumbar Spondylolysis: A Report From the Scoliosis Research Society Evidence-Based Medicine Committee. <i>Spine Deformity</i> , 2017 , 5, 97-101	2	14
115	Cost-effectiveness of minimally invasive sacroiliac joint fusion. <i>ClinicoEconomics and Outcomes Research</i> , 2016 , 8, 1-14	1.7	14
114	Is it safer to place pedicle screws in the lower thoracic spine than in the upper lumbar spine?. <i>Spine</i> , 2007 , 32, 49-54	3.3	14
113	A Study of the Efficacy of Nonoperative Treatment of Presumed Traumatic Spondylolysis in a Young Patient Population. <i>Military Medicine</i> , 1995 , 160, 553-555	1.3	14
112	Responding to Intraoperative Neuromonitoring Changes During Pediatric Coronal Spinal Deformity Surgery. <i>Global Spine Journal</i> , 2019 , 9, 15S-21S	2.7	13

111	Discriminative Properties of the Spinal Appearance Questionnaire Compared With the Scoliosis Research Society-22 Revised. <i>Spine Deformity</i> , 2013 , 1, 328-338	2	13
110	Thoracic spinal cord impingement by an arachnoid web at the level of a hemivertebra: case report. <i>Journal of Neurosurgery: Spine</i> , 2017 , 27, 638-642	2.8	13
109	Impact of cost valuation on cost-effectiveness in adult spine deformity surgery. <i>Spine Journal</i> , 2017 , 17, 96-101	4	13
108	Hemivertebral Excision for Congenital Scoliosis in Very Young Children. <i>Journal of Pediatric Orthopaedics</i> , 2001 , 21, 761-764	2.4	13
107	An international consensus on the appropriate evaluation and treatment for adults with spinal deformity. <i>European Spine Journal</i> , 2018 , 27, 585-596	2.7	13
106	Pulmonary function tests correlated with thoracic volumes in adolescent idiopathic scoliosis. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 175-182	3.8	12
105	Minimum Detectable Measurement Difference for Health-Related Quality of Life Measures Varies With Age and Disability in Adult Spinal Deformity: Implications for Calculating Minimal Clinically Important Difference. <i>Spine</i> , 2018 , 43, E790-E795	3.3	12
104	Defining a core outcome set for adolescent and young adult patients with a spinal deformity. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017 , 88, 612-618	4.3	12
103	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. <i>ClinicoEconomics and Outcomes Research</i> , 2013 , 5, 575-87	1.7	12
102	Thoracic hemivertebra excision in adults via a posterior-only approach. Report of two cases. <i>Neurosurgical Focus</i> , 2003 , 14, e9	4.2	12
101	Serum cefazolin levels during spinal fusion: effect of blood loss and duration of surgery. <i>Journal of Spinal Disorders</i> , 1993 , 6, 296-9		12
100	Congenital absence of a lumbar pedicle presenting as back pain in children. <i>Journal of Pediatric Orthopaedics</i> , 1991 , 11, 214-9	2.4	12
99	Tranexamic Acid Reduced the Percent of Total Blood Volume Lost During Adolescent Idiopathic Scoliosis Surgery. <i>International Journal of Spine Surgery</i> , 2017 , 11, 27	1.4	12
98	Change in Sagittal Plane Alignment Following Surgery for Scheuermann® Kyphosis. <i>Spine Deformity</i> , 2014 , 2, 404-409	2	11
97	Early Diagnosis of Hurler® Syndrome with the Aid of the Identification of the Characteristic Gibbus Deformity. <i>Military Medicine</i> , 1998 , 163, 711-714	1.3	11
96	Sacral Dysmorphism and Lumbosacral Transitional Vertebrae (LSTV) Review. <i>International Journal of Spine Surgery</i> , 2020 , 14, 14-19	1.4	11
95	What Is the Frequency of Intraoperative Alerts During Pediatric Spinal Deformity Surgery Using Current Neuromonitoring Methodology? A Retrospective Study of 218 Surgical Procedures. <i>Neurodiagnostic Journal</i> , 2016 , 56, 17-31	0.7	10
94	Adult Degenerative Scoliosis Surgical Outcomes: A Systematic Review and Meta-analysis. <i>Spine Deformity</i> , 2013 , 1, 248-258	2	10

93	A Health-economic Assessment of Cervical Disc Arthroplasty Compared With Allograft Fusion. <i>Techniques in Orthopaedics</i> , 2010 , 25, 133-137	0.4	10
92	Rates of Infection after Spine Surgery Based on 108,419 Procedures. <i>Neurosurgery</i> , 2009 , 65, 409-409	3.2	10
91	A Modified Wake-Up Test for Use in Very Young Children Undergoing Spinal Surgery. <i>Journal of Pediatric Orthopaedics</i> , 2000 , 20, 64	2.4	10
90	Diagnosis and treatment of sacroiliac joint pain. <i>Current Orthopaedic Practice</i> , 2011 , 22, 344-350	0.4	9
89	Ignoring the sacroiliac joint in chronic low back pain is costly. <i>ClinicoEconomics and Outcomes Research</i> , 2016 , 8, 23-31	1.7	9
88	The Challenge of Creating Lordosis in High-Grade Dysplastic Spondylolisthesis. <i>Neurosurgery Clinics of North America</i> , 2018 , 29, 375-387	4	8
87	Complications associated with surgical treatment of traumatic spinal fractures: a review of the scoliosis research society morbidity and mortality database. <i>World Neurosurgery</i> , 2014 , 81, 818-24	2.1	8
86	Spine Fractures in Active Duty Soldiers and Their Return to Duty Rate. <i>Military Medicine</i> , 1998 , 163, 536-539		8
85	A method for radiographic evaluation of pedicle screw violation of the vertebral endplate. Technique. <i>Spine</i> , 1996 , 21, 1587-92	3.3	8
84	What Are the Indications for Spinal Fusion Surgery in Scheuermann Kyphosis?. <i>Journal of Pediatric Orthopaedics</i> , 2019 , 39, 217-221	2.4	8
83	Current Evidence Regarding the Surgical and Nonsurgical Treatment of Pediatric Lumbar Spondylolysis: A Report from the Scoliosis Research Society Evidence-Based Medicine Committee. <i>Spine Deformity</i> , 2015 , 3, 30-44	2	7
82	Commentary: Appropriate Use Criteria for Lumbar Degenerative Scoliosis: Developing Evidence-based Guidance for Complex Treatment Decisions. <i>Neurosurgery</i> , 2017 , 80, E205-E212	3.2	7
81	Disc arthroplasty: lessons learned from total joint arthroplasty. <i>Spine Journal</i> , 2004 , 4, 182S-189S	4	7
80	Biomechanics of long segment fixation: hook patterns and rod strain. <i>Journal of Spinal Disorders</i> , 2001 , 14, 125-32		7
79	. <i>Journal of Pediatric Orthopaedics</i> , 1999 , 19, 763	2.4	7
78	Improvement in Health State Utility after Sacroiliac Joint Fusion: Comparison to Normal Populations. <i>Global Spine Journal</i> , 2016 , 6, 100-7	2.7	7
77	Introduction: Intraoperative spinal imaging and navigation. <i>Neurosurgical Focus</i> , 2014 , 36, Introduction	4.2	6
76	Transfusion medicine management for reconstructive spinal repair in a patient with von Willebrand disease and a history of heavy surgical bleeding. <i>Spine</i> , 2001 , 26, E552-6	3.3	6

75	Comparison of nonnavigated and 3-dimensional image-based computer navigated balloon kyphoplasty. <i>Orthopedics</i> , 2015 , 38, 17-23	1.5	6
74	Adolescent Idiopathic Scoliosis Thoracic Volume Modeling: The Effect of Surgical Correction. <i>Journal of Pediatric Orthopaedics</i> , 2017 , 37, e512-e518	2.4	5
73	Predictive Value and Interrater Reliability of Radiographic Factors in Neurofibromatosis Patients With Dystrophic Scoliosis. <i>Spine Deformity</i> , 2018 , 6, 560-567	2	5
72	The Pursuit of Scholarship: Why We Should Care About Resident Research. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017 , 99, e119	5.6	5
71	Regional improvements in lumbosacropelvic Hounsfield units following teriparatide treatment. <i>Neurosurgical Focus</i> , 2020 , 49, E11	4.2	5
70	Highlights from the First Annual Spinal Navigation, Emerging Technologies and Systems Integration Meeting. <i>Annals of Translational Medicine</i> , 2018 , 6, 110	3.2	5
69	Advanced medical care for soldiers injured in Iraq and Afghanistan. <i>Minnesota Medicine</i> , 2004 , 87, 42-4	0.3	5
68	Controlled Pedicle Subtraction Osteotomy Site Closure Using Flexible Hinge-Powered Operating Table. <i>Operative Neurosurgery</i> , 2019 , 17, E214-E218	1.6	4
67	Placement of Thoracic Pedicle Screws. <i>JBJS Essential Surgical Techniques</i> , 2016 , 6, e9	2.3	4
66	Timing of surgery and radiotherapy in the management of metastatic spine disease: A systematic review 2010 , 36,		4
65	How Much Work Effort is Involved in Minimally Invasive Sacroiliac Joint Fusion?. <i>International Journal of Spine Surgery</i> , 2015 , 9, 58	1.4	4
64	Mechanical Performance of Posterior Spinal Instrumentation and Growing Rod Implants: Experimental and Computational Study. <i>Spine</i> , 2019 , 44, 1270-1278	3.3	4
63	Cost-Effectiveness for Surgical Treatment of Degenerative Spondylolisthesis. <i>Neurosurgery Clinics of North America</i> , 2019 , 30, 365-372	4	3
62	Minimally Invasive Sacroiliac Joint Fusion: A Lateral Approach Using Triangular Titanium Implants and Navigation. <i>JBJS Essential Surgical Techniques</i> , 2020 , 10,	2.3	3
61	Willingness to enroll in a surgical randomized controlled trial: patient and parent preferences regarding implant density for adolescent idiopathic scoliosis fusion. <i>Spine Deformity</i> , 2020 , 8, 957-963	2	3
60	The Spinal Instability Neoplastic Score (SINS): An Analysis of Reliability and Validity from the Spine Oncology Study Group. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, S263	4	3
59	Clinical summary statement. <i>Spine</i> , 2003 , 28, S196-8	3.3	3
58	Spinopelvic fixation biomechanics. <i>Seminars in Spine Surgery</i> , 2004 , 16, 101-106	0.2	3

57	Best Practice Guidelines for Assessment and Management of Osteoporosis in Adult Patients Undergoing Elective Spinal Reconstruction. <i>Spine</i> , 2022 , 47, 128-135	3.3	3
56	Stratifying outcome based on the Oswestry Disability Index for operative treatment of adult spinal deformity on patients 60 years of age or older: a multicenter, multi-continental study on Prospective Evaluation of Elderly Deformity Surgery (PEEDS). <i>Spine Journal</i> , 2021 , 21, 1775-1783	4	3
55	Bilateral open sacroiliac joint fusion during adult spinal deformity surgery using triangular titanium implants: technique description and presentation of 21 cases. <i>Journal of Neurosurgery: Spine</i> , 2021 , 1-7	2.8	3
54	Use of fluoroscopy to evaluate iliac screw position. <i>American Journal of Orthopedics</i> , 2006 , 35, 144-6		3
53	Align the Spine-It® Not Just the Pelvis!: Commentary on an article by Caglar Yilgor, MD, et al.: "Global Alignment and Proportion (GAP) Score. Development and Validation of a New Method of Analyzing Spinopelvic Alignment to Predict Mechanical Complications After Adult Spinal Deformity Surgery". <i>Journal of Bone and Joint Surgery - Series A</i> , 2017 , 99, e104	5.6	2
52	Sacroiliac Joint Fusion: Approaches and Recent Outcomes. <i>PM and R</i> , 2019 , 11 Suppl 1, S114-S117	2.2	2
51	Double crush to the thorax: Pectus excavatum and kyphoscoliosis. <i>Journal of Pediatric Surgery Case Reports</i> , 2014 , 2, 8-11	0.3	2
50	A Novel, Minimally Invasive Resection of a Pediatric Cervical Spine Osteoblastoma: A Case Report. <i>JBJS Case Connector</i> , 2015 , 5, e108	0.4	2
49	Intra-operative Feedback for Lumbar Interbody Fusion: Intervertebral Disc Volume Removal and Outcomes. <i>Spine Journal</i> , 2010 , 10, S48-S49	4	2
48	Technology assessment: approach and reimbursement. <i>Spine</i> , 2007 , 32, S39-43	3.3	2
47	Adult Spinal Deformity Focus Issue. <i>Spine</i> , 2006 , 31, S202	3.3	2
46	Basic science summary statement. <i>Spine</i> , 2003 , 28, S195	3.3	2
45	Summary statement: treatment of the painful motion segment. <i>Spine</i> , 2005 , 30, S1	3.3	2
44	Oswestry Disability Index: Is Telephone Administration Valid?. <i>Iowa orthopaedic journal, The</i> , 2019 , 39, 92-94	1.1	2
43	. <i>Journal of Pediatric Orthopaedics</i> , 2000 , 20, 64	2.4	2
42	2-Dimensional Long Film O-Arm Imaging, an Alternative When Intraoperative Fluoroscopy Is Inadequate. <i>World Neurosurgery</i> , 2021 , 150, 54-55	2.1	2
41	The effect of simulation training on resident proficiency in thoracolumbar pedicle screw placement using computer-assisted navigation. <i>Journal of Neurosurgery: Spine</i> , 2020 , 1-8	2.8	2
40	Acute failure of S2-alar-iliac screw pelvic fixation in adult spinal deformity: novel failure mechanism, case series, and review of the literature. <i>Journal of Neurosurgery: Spine</i> , 2021 , 1-9	2.8	2

39	Change in pelvic incidence between the supine and standing positions in patients with bilateral sacroiliac joint vacuum signs. <i>Journal of Neurosurgery: Spine</i> , 2021 , 34, 617-622	2.8	2
38	AN ADJUNCTIVE USE OF ASFOTASE ALFA AND ZOLEDRONIC ACID AFTER SPINAL SURGERY IN NEUROFIBROMATOSIS TYPE 1 RELATED DYSTROPHIC SCOLIOSIS. <i>AACE Clinical Case Reports</i> , 2020 , 6, e305-e310	0.7	1
37	The effectiveness of a free-standing lead-shield in reducing spine surgeon radiation exposure during intraoperative 3-dimensional imaging. <i>Spine Journal</i> , 2020 , 20, 1685-1691	4	1
36	Congenital unilateral absence of the upper extremity may give rise to a specific kind of thoracolumbar curve. <i>Journal of Pediatric Orthopaedics Part B</i> , 2018 , 27, 180-183	1.4	1
35	Hemoptysis Due to Anterior Scoliosis Implants: A Case Report. <i>JBJS Case Connector</i> , 2016 , 6, e20	0.4	1
34	An internet-delivered cognitive-behavioral intervention with telephone support improved some coping skills in patients with chronic low back pain. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005 , 87, 1169	5.6	1
33	Quantifying the effect of posterior spinal instrumentation on the MRI signal of adjacent intervertebral discs. <i>Spine Deformity</i> , 2020 , 8, 845-851	2	1
32	Toward the Development of a Comprehensive Clinically Oriented Patient Profile: A Systematic Review of the Purpose, Characteristic, and Methodological Quality of Classification Systems of Adult Spinal Deformity. <i>Neurosurgery</i> , 2021 , 88, 1065-1073	3.2	1
31	Percutaneous Pedicle Screws 2014 , 129-139		1
30	Cost-Utility Analysis of Anterior Vertebral Body Tethering versus Spinal Fusion in Idiopathic Scoliosis from a US Integrated Healthcare Delivery System Perspective. <i>ClinicoEconomics and Outcomes Research</i> , 2021 , 13, 175-190	1.7	1
29	Alphabet Soup: Sagittal Balance Correction Osteotomies of the Spine-What Radiologists Should Know. <i>American Journal of Neuroradiology</i> , 2018 , 39, 606-611	4.4	1
28	Sacroiliac joint fusion health care cost comparison prior to and following surgery: an administrative claims analysis. <i>ClinicoEconomics and Outcomes Research</i> , 2018 , 10, 643-651	1.7	1
27	Establishing consensus: determinants of high-risk and preventative strategies for neurological events in complex spinal deformity surgery.. <i>Spine Deformity</i> , 2022 , 1	2	1
26	Development of consensus-based best practice guidelines for response to intraoperative neuromonitoring events in high-risk spinal deformity surgery.. <i>Spine Deformity</i> , 2022 , 1	2	1
25	Full-spine radiographs: what others are reporting-a survey of Society of Skeletal Radiology members. <i>Skeletal Radiology</i> , 2019 , 48, 1759-1763	2.7	0
24	Team Approach: Safety and Value in the Practice of Complex Adult Spinal Surgery. <i>JBJS Reviews</i> , 2020 , 8, e0145	2.6	0
23	Is the Implant in Bone? The Accuracy of CT and Fluoroscopic Imaging for Detecting Malpositioned Pelvic Screw and SI Fusion Implants. <i>Iowa orthopaedic journal, The</i> , 2021 , 41, 89-94	1.1	0
22	The Scoliosis Research Society adult spinal deformity standard outcome set. <i>Spine Deformity</i> , 2021 , 9, 1211-1221	2	0

21	Intrawound vancomycin application after spinal surgery: a propensity score-matched cohort analysis. <i>Journal of Neurosurgery: Spine</i> , 2021 , 1-11	2.8	0
20	Pelvic Fixation Using S2AI and Triangular Titanium Implants (Bedrock Technique). <i>World Neurosurgery</i> , 2021 , 154, 2	2.1	0
19	Novel 2D long film imaging utility to avoid wrong level spinal surgery.. <i>Radiology Case Reports</i> , 2022 , 17, 2400-2403	1	0
18	Defining Appropriate Spine Care for the Patient as well as Society. <i>Seminars in Spine Surgery</i> , 2012 , 24, 123-126	0.2	
17	Sacroiliac Joint Fusion 2017 , 429-439		
16	Pediatric and Adult Scoliosis 2012 , 497-507		
15	Symposium. Subspecialty certification: current status of orthopaedic subspecialty certification. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006 , 88, 2081-90	5.6	
14	Artificial disc. <i>Journal of Neurosurgery: Spine</i> , 2005 , 2, 395-7; author reply 397-8	2.8	
13	Surgeon Preference for Radiologist Interpretation of Deformity Radiographs-A Survey of Lumbar Spine Research Society Membership. <i>International Journal of Spine Surgery</i> , 2020 , 14, 527-533	1.4	
12	The Deformity TLIF: Bilateral Facetectomy and Osteotomy Closure with a Hinged Table. <i>Iowa orthopaedic journal, The</i> , 2019 , 39, 81-84	1.1	
11	Biomechanical Stability of the Sacroiliac Joint with Differing Implant Configurations in a Synthetic Model. <i>International Journal of Spine Surgery</i> , 2021 , 15, 853-861	1.4	
10	Pediatric and Adult Scoliosis 2018 , 561-572.e4		
9	Percutaneous Pedicle Screws 2019 , 215-225		
8	Epidural Steroids for Degenerative Spondylolisthesis: Good, Bad, or Indifferent?: Commentary on an article by Michael C. Gerling, MD, et al.: "Epidural Steroid Injections for Management of Degenerative Spondylolisthesis. Little Effect on Clinical Outcomes in Operatively and Nonoperatively Treated Patients". <i>Journal of Bone and Joint Surgery - Series A</i> , 2020 , 102, e90	5.6	
7	The Sacroiliac Joint and Long Lumbosacral Fusions 2015 , 151-158		
6	Commentary on: Quality-of-Life Evaluation of Patients Undergoing Lumbar Discectomy Using Short Form 36. <i>Anesthesiology and Pain Medicine</i> , 2012 , 1, 199-200	3.5	
5	Incidental extraspinal imaging findings on adult EOS full body radiographs: prevalence and clinical importance. <i>BMC Medical Imaging</i> , 2021 , 21, 83	2.9	
4	Odontoid Fracture as Proximal Junctional Failure in Patients With Multilevel Spine Fusions. <i>Global Spine Journal</i> , 2021 , 21925682211008833	2.7	

- 3 AO Spine Adult Spinal Deformity Patient Profile: A Paradigm Shift in Comprehensive Patient Evaluation in Order to Optimize Treatment and Improve Patient Care. *Global Spine Journal*, **2021**, 21925682211037935
- 2 Anatomy and Physiology/Biology of Bone **2022**, 1-16
- 1 Surgical outcomes of severe spinal deformities exceeding 100° or treated by vertebral column resection (VCR). Does implant density matter?: an observational study of deformity groupings.. *Spine Deformity*, **2022**, 1 2